



**Rajah Serfoji Govt. College (Auto)**  
Thanjavur - 613 005, Tamil Nadu.

## **Self Study Report for Reaccreditation**

Third Cycle



*Submitted to:*

**National Assessment and Accreditation Council**  
Bangalore - 560072

July 2015

**Vol. II**

**முதுகலை மற்றும் தமிழாய்வுத்துறை**  
**PG AND RESEARCH DEPARTMENT OF TAMIL**

1. Name of the department & its year of establishment:

**PG and Research Department of Tamil & 1955**

2. Names of Programmes/Courses offered

Sl. No.	Name of the Course	Medium	Duration	Part Time/ Full Time
01	B. Lit. Tamil	Tamil	3 Years	Full Time
02	M. A. Tamil	Tamil	2 Years	Full Time
03	Ph .D. in Tamil	Tamil	2 Yrs with M. Phil. 3 Yrs with M. A.	Full Time
04	Ph .D. in Tamil	Tamil	3 Yrs with M. Phil. 4 Yrs with M. A.	Part Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Sl. No.	Name of the Course	System
01	B. Lit. Tamil	Semester System with CBCS
02	M. A. Tamil	Semester System with CBCS
03	Ph. D. Tamil	Course Work & Project Report

5. Participation of the department in the courses offered by other departments:

Sl. No.	Course	Department	Name of the Paper
01	B.A.	Economics	போட்டித் தேர்வுத் தமிழ் (Tamil for Competitive Examinations)

6. Number of Teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors and Professors.

Sanctioned Teaching Post	Filled Posts			Vacant
	Associate Professors	Assistant Professors	Guest Lecturers	
19	05	12	02	--

## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No of years of experience	No of Ph.D. students guided for the last 4 years
01	Dr. D.Rosi	M.A., M.Phil., B.Ed., Ph.D., SLST,	Asso. Professor & HOD	Drama, Modern Literature	19	05
02	Dr. M.Govindarasu	M.A.(Tamil), M.A.(Ling), M.Phill., B.Ed., Ph.D.,	Asso. Professor	Grammar, Linguistics, Modern Literature	19	06
03	Prof. C.Velayutha Perumal	M.A., M.Phil., B.Ed.,	Asso. Professor	Sangam Literature, Bakthi Literature	18	Nil
04	Ms. R.Shanthi	M.A., M.Phil., UGC-NET	Asso. Professor	Sangam Literature, Grammar	15	Nil
05	Dr. R.Varatharaja	M.A.(Tamil), M.A.(MCJ), M.Phil., B.Ed., PhD UGC-NET	Asso. Professor	Modern Literature, Journalism	15	Nil
06	Dr.V.Pari	M.A., M.Phil., Ph.D.,	Asst. Professor	Sangam Literature, Inscription, Folklore	20	04
07	Dr. K.Parameswaran	M.A., M.Phil., B.Ed., Ph.D., UGC-NET,	Asst. Professor	Modern Literature	14	06
08	Dr. M.Kannaiyan	M.A., M.Phil., Ph.D., SLET,	Asst. Professor	Modern Literature	14	06
09	Dr. K.Ramalingam	M.A., M.Phil., B.Ed., Ph.D., UGC-NET,	Asst. Professor	Sangam Literature, Modern Literature, Bakthi Literature	14	03
10	Mr.R.Sathasivam	M.A., M.Phil., B.Ed.,	Asst. Professor	Sangam Literature, Modern Literature	16	Nil
11.	Dr.M.Tamilarasan	M.A., M.Phill., Ph.D.,	Asst. Professor	Sangam Literature, Modern Literature	22	07

12	Dr.S.Kannadasan	M.A., M.Phil., Ph.D.,	Asst. Professor	Folk Lore	23	03
13	Mr.S.Sathiyamoorthy	M.A., M. Phil., UGC-NET,	Asst. Professor	Grammar, Inscription,	16	Nil
14	Dr.G.Chandran	M.A., M. Phil., Ph.D., UGC-NET (Tamil & Folklore), SLET,	Asst. Professor	Folk Lore	13	04
15	Dr.D.Elanchezhian	M.A., M. Phil., Ph.D.,	Asst. Professor	Sangam Literature	21	07
16	Dr.P.Rajamanickam	M.A., M. Phil., B.Ed., Ph.D.,	Asst. Professor	Bakthi Literature	14	02
17	Dr.V.Sathyanarayanan	M.A., M. Phil., Ph.D., UGC-NET, SLET,	Asst. Professor	Grammar, Sangam Literature	14	02
18	Dr.S.Loganathan	M.A., M. Phil., B.Ed., Ph.D.,	Guest Lecturer	Grammar, Sangam Literature	19	-
19	Dr.V.Sivakumar	M.A., M. Phil., SLET	Guest Lecturer	Modern Literature	8	-

## 8. Percentage of classes taken by temporary faculty-programme-wise information

Sl. No.	Year	Programme	Shift I	Shift II (Part-I Language)
01	2010-2011	Part-I	-	100
02	2011-2012	Part-I	-	100
03	2012-2013	Part-I	-	100
04	2013-2014	Part-I	-	100
05	2014-2015	Part-I	-	100

## 9. Programme wise Student -Teacher Ratio

Sl. No.	Year	Programme	Student Teacher Ratio
01	2010-2015	Part - I Tamil	50:1
02	2011-2015	Part - III U.G.	50:1
03	2012-2015	P.G.	35:1

## 10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	Nil	Nil
02	Administrative Staff	Nil	Nil

## 11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency & Amount	Title
Dr. M. Govindaraj 2014-2016	U.G.C 2,20,000/	Myths Factor and its Expression in Vaanambadi Period Poetry
Dr.M. Govindaraj 2011-2012	CICT 2,50,000	செவ்வியல் இலக்கியங்களில் ஊர்வன Cevviyal Ilakkaiyankalil Urvana

## 12. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

## 13. Research Centre / facility recognized by the University:

This Department has been a Research centre Recognized by the Bharathidasan University since Sep -2011.

Bharathidasan University vide letter No. 000032/D9/2012 dated 10.02.2012

## 14. Publications:

No. of papers published in peer reviewed journals (national/international)	2010-11	2011-12	2012-13	2013-14	2014- 15
Dr.M.Govindaraj	12	07	06	03	05
Ms.R.Shanthi	-	-	-	-	01
Mr..R.Varatharaja	-	01	04	-	01
Dr.K.Parameswaran	-	01	-	-	-
Dr.M.Kannaiyan	-	-	-	01	01
Mr.R.Sathasivam	-	01	01	-	-
Dr.S.Kannadasan	01	02	01	02	02
Mr.S.Sathiyamoorthy	01	-	-	-	-
Dr.G.Chandran	01	-	-	-	02
Dr.D.Elanchezhian	02	-	02	-	-
Dr.P.Rajamanikam	01	-	01	02	03
Dr.V.Sathyanarayanan	-	-	01	-	-
<b>Chapters in Books</b>					
Dr.M.Govindarasu	03	01	01	04	-
Mr..R.Varatharaja	-	-	03	-	-
Dr.K.Ramalingam	01	-	-	-	-
Dr.V.Sathyanarayanan	03	-	-	-	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies:

- Refresher course
- Orientation Course
- Workshops
- Seminars
- Group discussion among the staff.
- Consultation with Eminent Professors
- “Vallarthingall” – a forum for literary discussion

Faculty Development Programmes	Number of faculty Attended				
	2010-11	2011-12	2012-13	2013-14	2014-15
Refresher courses	06	01	-	03	04
Orientation programmes	03	-	-	-	-
Summer/ winter schools, workshops, etc	01	01	03	11	01
Seminar/Conference	12	17	10	16	06

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme: MA: 100%

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: Nil

20. Awards / Recognitions received by faculty and students:

Dr.G.Chanderan - Award - 02

- "Kalai Valarmani" Award received from Tamil Nadu Government.
- "Isai Gnana Sikaram" Award received from Uu.Ve.Sa.Tamil Research Center

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding

2013-2014		
Level	Funding Agency	Title of Seminar/Conference/Workshop
National	Central Institute of Classical Tamil 22-24.01.2014	மொழியியல் நோக்கில் தொல்காப்பிய உரைகள் Linguistics approach in Tholkappiya Uraihal
2014-2015		
National	Central Institute of Classical Tamil 20-22.01.2015	தொல்காப்பிய இலக்கிய மரபு நோக்கில் கீழ்க்கணக்கு நூல்கள் (அக, புற கோட்பாடுகள் ஒப்பீடு) (Tholkappiya Illakiya Marabu Nokkil Keezhk Kannakku Noolgall.)

22. Student profile programme/course wise:

Year	No of Students Enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	-	-	-	-	-	-	-	-	-	01	04	05
2011-2012	02	07	09	-	-	-	-	-	-	04	05	09
2012-2013	17	22	39	11	22	33	-	-	-	06	05	11
2013-2014	27	19	46	01	27	28	-	-	-	03	01	04
2014-2015	27	23	50	02	09	11	-	-	-	02	10	12

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	No of students Cleared						
	NET	SLET	GATE	TET	Defense services	Civil services	Others (specify)
2010-11	-	-	-	-	-	-	01 TNPSC
2011-12	02	-	-	-	-	-	-

25. Student progression (%): NA

26 Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	83
From other universities within the states	17
From other universities from other states	Nil

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period: 01

Dr. R. Varatharaja – 2014-15

28. Present details about Infrastructural facilities

a) Library:

Sl. No.	Details	Number of books
01	Bharathidasan University Book Bank	97
02	UGC – MS	612
03	General Books	9248
04	Total	9957

b) Internet facilities for Staff & Students:

Internet with wi-fi facility is available for both staff and students.

c) Total number of class rooms: 05



d) Class rooms with ICT facility: Nil

e) Student Laboratories: NA

f) Research Laboratories: NA

29. Number of students receiving financial assistance from college, university, government or other agencies:

a. No. of Ph. D. Scholars received **Scholarship from Director of Collegiate Education, Tamilnadu**

- K. Karthikeyan - MBC - Ph. D. Full Time - 2014-2016
- G. Ganesamoorthy - BC - Ph. D. Full Time - 2014-2016
- A. Puratchidasan - BC - Ph. D. Full Time - 2013-2015
- K. Karthikeyan - BC - Ph. D. Full Time - 2013-2015

b. **SC welfare department:**

- J. Karikalan - SC - Ph. D. Full Time - 2012-2014

c. **UGC-JRF**

- B.Gajenderen - SC - Ph. D. Full Time 2013-2014
- P.Vithya - BC - Ph. D. Full Time 2014-2015
- M.Suganthi - BC - Ph. D. Full Time 2011-2012

**Government Scholarship:**

Year	SC/ST		BC/ MBC/DNC		Total	
	UG	PG	UG	PG	UG	PG
2011-12	-	-	09	-	09	-
2012-13	21	-	18	-	39	32
2013-14	21	17	24	11	45	28
2014-15	24	06	26	04	50	10

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

The college offers various courses in science, humanities and English. But courses in Tamil have been a subject of enquiry among the students who seek admission into various courses. Hence the department decided to study the demand for courses in Tamil. Discussion with the students who attended admission counseling showed their interest in joining Tamil literature in Govt. Colleges.

It is understood through discussion that even interested students join other courses because of non availability of Tamil literature in this college or go for expensive private institution to join Tamil literature.

Data collected from various school teachers of Tamil language of our locality show that students are very much interested in joining Tamil literature because of employment opportunities in government educational institutions and through competitive examinations.

The above points were discussed in the department staff meeting and a unanimous decision was taken to start B.Litt., M.A., and Ph.D. research programme in the successive years. Accordingly efforts were taken through proper channel to start the courses.

31. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?:

Yes

#### **Curriculum:**

##### **P.G.**

1. Research methodology Paper introduced.
2. Folklore paper introduced
3. Bharathiyam paper removed
4. Valkai Varalartu Ilakkiyam paper removed

##### **U.G.**

1. Literary Criticism Paper Shifted from II Semester to VI Semester.
2. Tholkappiyam - Ezhuthu Paper Shifted from V Semester to IV Semester

#### **Teaching - Learning - Evaluation:**

The following techniques have been recommended to be incorporated in teaching-learning- evaluation.

- Discussion and Debates.
- Singing while teaching
- Oral Test at the end of hour.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?: Yes

#### **Curriculum:**

##### **P.G.**

- For Thirukkural paper - Parimelazhagar urai changed.

U.G.

- Tourism paper introduced.

2. Tamil for Competitive Exam Paper Introduced.

### Teaching – Learning – Evaluation

- Conducting Quiz
- Motivate interest in learning

c) Alumni and employers on the programs and what is the response of the department to the same?

### Curriculum

U.G.

- Instead of Folk Literature, Folklore is introduced.

### Teaching – Learning – Evaluation:

- Research Training may be given in terms of some assignments like field visit to record the dialects.
- To train the rural school students to speak and write flawless Tamil by college Students.

32. List the distinguished alumni of the department:

- Dr. K. RAMALINGAM, Asst. Professor of Tamil, Rajah Serfoji Govt. College, Thanjavur
- Dr. M. KANNAIYAN, Asst. Professor of Tamil, Rajah Serfoji Govt. College, Thanjavur
- Prof. S. SATHIYAMURTHY, Asst. Professor of Tamil, Rajah Serfoji Govt. College, Thanjavur

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts.

- 2013–2014. National Seminar on Linguistics Approach in Tholkappiya Uraihal (மொழியியல் நோக்கில் தொல்காப்பிய உரைகள்)
- 2014–2015. National Seminar on Tholkappiya Illakiya Marabu Nokkil Keezhk Kannakku Noolgall. தொல்காப்பிய இலக்கிய மரபு நோக்கில் கீழ்க்கணக்கு நூல்கள் (அக, புற கோட்பாடுகள் ஒப்பீடு).
- 2013-2014. Special Lecture by Dr.R.Kaliyaperumal, Principal, Navalar Na.Mu. Venkatasamy Nattar Thiruvarul Kallori, Thanjavur

34. List the teaching methods adopted by the faculty for different programmes.

- i. To make learning a pleasant experience poems are sung with music
- ii. Quiz competitions are conducted
- iii. Debates are conducted in the class room to enable the power of argumentation.
- iv. Research Training is being given in terms of some assignments like field visit to record the dialects.

35. How does the department ensure that program objectives are constantly met and learning outcomes monitored?

Objectives:

- To well verse in Tamil Grammar
- To speak and write flawless Tamil Language
- To Sing the Poem

Outcomes monitored:

- Conducting class Tests, midterm Test, Assignments in various topics, model Exam, debates, discussions and seminars.
- The objectives of the program are monitored in the above manner and the result is satisfactory.

36. Highlight the participation of students and faculty in extension activities.

Students:

Year	Total Students	NSS	NCC	Sports	Fine Arts	Red Cross
2011-2012	09	09	-	-	-	-
2012-2013	39	15	01	08	-	15
2013-2014	46	17	-	12	07	10
2014-2015	50	15	-	08	07	20

Faculty:

Dr.D.Rosi	1. Women's Cell member 2. College magazine Editor 3. Sports committee member,
Dr.M.Govindarasu	1. N.S.S. Programme officer
Ms.R.Shanthi	1. Organizer of day care center 2. Women's Cell member 3. College magazine Editorial Board Member,

Dr..R.Varatharaja	<ol style="list-style-type: none"> <li>1. Red Gross programme officer</li> <li>2. College magazine Sub - Editor</li> <li>3. President, Students welfare co-operative society</li> <li>4. College calendar committee member</li> <li>5. Member-IQAC</li> </ol>
Dr.V.Pari	<ol style="list-style-type: none"> <li>1. N.S.S., Fine Arts, Sports Committee Member,</li> <li>2. Nehru Yuva Kendra Thanjavur District Advisory Committee Member</li> <li>3. Thanjavru District Sports Committee Member</li> <li>4. Thanjavur District Youth Hostel Advisory Committee Member</li> <li>5. Government of Indian, Ministry of Culture Organized National Folk Dance Festival 2007 On the occasion of Republic Day 2007 - Participated</li> <li>6. Government of India, South zone Cultural Center Organized National Folk Arts Festival "SALANGAI NAATHAM 2008 Participated</li> <li>7. Government of India, South zone Cultural Center Organized Special Choreographed Folk dance POOMPUHAR 2008 at Chandiger - Participated</li> <li>8. SANGEET NATAK AKADEMI, New Delhi Organized National Folk Festival in Connection with XIX Common Wealth Games 2010 - Participated as contingent in-charge of Bharathidasan University team.</li> <li>9. Government of India, South zone Cultural Center Organized Special Choreographed Folk dance 2009 in connection with International NRI's Convention Jointly organized Ministry of Overseas Indian Affairs.- Participated as contingent in-charge.</li> <li>10. Government of India, South zone Cultural Center Organized Pongal Festival, 14-16.01.2012 at New Delhi - Participated.</li> <li>11. Students Coordinator - Tamil Nadu Assembly election 2011, Web camera operator - 500 Students Participated</li> <li>12. Students Coordinator - Tamil Nadu Local Body election 2011, Web camera operator - 800 Students Participated</li> <li>13. Students Coordinator - Lok Saba election 2014, Web camera operator - 400 Students Participated</li> <li>14. Students Coordinator - Lok Saba election 2014, Polling booth Student's cards</li> <li>15. 500 Volunteer's worked three days Thanjavur Town for mass campaign to eradicate Chikun kuniya diseases.</li> </ol>

Dr.M.Kannaiyen	1. S.C., S.T. Scholar Welfare Member
Mr. R.Sathasivam	1. U.G.C. Grants Monitoring Committee Member
Mr.S.Sathiyamoorthy	Fine Arts
Dr.G.Chandran	Fine arts 1. “Kalai Valarmani” Award received from Tamil Nadu Government. 2. “Isai Gnana Sikaram Award received from Uu.Ve.Sa.Tamil Research Center
Dr.D.Elanchezhian	1. Sports committee Member
DR.P.Rajamanikam	1. College magazine Editorial Board Member.

37. Give details of “beyond syllabus scholarly activities” of the department.

Publications of the Department:

1. உரைநடைச் செல்வம்/urainataich chelvam. 2011
2. சிறுகதைச் சோலை/ chirukathaich choolai. 2011
3. பொருண்மை நோக்கில் தமிழ் இலக்கிய வரலாறு/porunmai nookkil thamizh ilakkiya varalaaru. 2011
4. உரைநடைத் திரட்டு/urainataith thirattu 2015
5. சிறுகதைக் களஞ்சியம்/chirukathaik kalanjchiyam 2015

**Faculty:**

**Dr.D.Rosi**

- Attended the confidential work related to Teachers Recruitment Board, Chennai in 2013 and 2014
- Examiner for the examinations conducted by Tamil Nadu Public Service Commission

**Dr.M.Govindaraj**

- Member of Board of Studies, Periyar Maniyammai University, Thanjavur.
- Member of Board of Studies of Poompuhar College (Autonomous), Melaiyur.

**Dr.V.Pari**

- Chairman, Question paper Setting Board of Periyar University, Salem.

**Dr.K.Parameswaran**

- SC/ST member for the selection committee of Guest Lecturer in Periyar University, Salam, Tamil Nadu.
- Coordinator of Pavanar Padaipparangam in Govt. College Salam-7.

**Dr.M.Kannaiyan**

- Attended the confidential work of Teachers Recruitment Board, Chennai.

**Students:**

- Attended workshop for Ten days on classical language conducted by H.S. Rajah's college, Pudukkottai, Tamil Nadu
- Attended seminar for Ten days on Classical Language conducted by Bharath College, Thanjavur.
- Attended One day Seminar conducted by Bharathidasan university, Thiruchirappalli
- Attended Ten days seminar on classical Language conducted by Jamal Mohamed College, Thiruchirappalli, Tamil Nadu.

38. State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strength:**

- Well Qualified and experienced Teachers
- Teachers with specialization in various areas like, Inscription, folklore, criticism, grammar.

**Weakness:**

- In sufficient reading room in Department Library
- Students are in part time job
- Non availability of Girls Hostel
- Insufficient Scholarship to buy books and materials.

40. Future plans of the department:

- To start M. Phil. Programme
- Multi Lingual Centre
- Language Laboratory
- Fine arts center
- Publishing Journal and e-journal

## PG & RESEARCH DEPARTMENT OF ENGLISH

1. Name of the department and its year of establishment:

**P.G. & Research Department of English & 1955**

2. Names of Programmes/ Courses offered

Sl. No.	Name of the Course	Medium	Duration	Part Time / Full Time
01	B. A. English-Shift 1	English	3 years	Full Time
02	B. A. English-Shift 2	English	3 years	Full Time
03	M. A. English	English	2 years	Full Time
04	Ph. D. English	English	2 Yrs with M. Phil. 3 Yrs with M. A.	Full Time
05	Ph. D. English	English	3 Yrs with M. Phil. 4 Yrs with M. A.	Part Time

3. Names of Interdisciplinary courses and the departments/ units involved:  
Nil

4. Annual/ semester/choice based credit system (programme wise):

Sl. No.	Name of the Course	System
01	B.A. English (shift 1)	Semester System with CBCS
02	B.A. English (shift 2)	Semester System with CBCS
03	M.A. English	Semester System with CBCS

5. Participation of the department in the courses offered by other departments

Sl. No	Department	Course	Paper
1	Commerce	B.Com.	Writing Skills
2	Business Administration	B.B.A.	Conversational English

6. Number of teaching posts

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors.

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	23	2	15	6	-



## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No	Name	Qualification	Designation	Specialization	Experience (yrs)	No Ph. D. students produced during the last 4 years
01	Dr. R. Parthiban	M.A., M. Phil., Ph.D.,	Asso. Professor & HOD	Modern British Drama	30	-
02	Prof Lt. G. Arunachalam	M.A., M. Phil., B.Ed.	Associate Professor	English Language Teaching	20	-
03	Dr. S. Sakthivel	M.A., M.Ed., M. Phil., Ph.D., NET.,	Asst Professor	Jewish American Literature	17	-
04	Prof. P. Neelakandan	M.A., B.Ed., M. Phil., SLET.,	Asst Professor	Indian Fiction in English	12	-
05	Dr. G. Manivannan	M.A., M. Phil., Ph.D.,	Asst Professor	African American Literature	21	-
06	Prof. P.N. Gunanithi	M.A., M. Phil.,	Asst Professor	Indian Drama in English	15	-
07	Prof. S. Jayakumar	M.A., M. Phil.,	Asst Professor	Indian Fiction in English	14	-
08	Prof. T. Devaraj	M.A., M. Phil., B.Ed.,	Asst Professor	American Literature	12	-
09	Dr. L. Rajesh	M.A., B.Ed., M. Phil., Ph.D., PGDCA.,	Asst Professor	Translation	16	-
10	Dr. N. Swaminathan	M.A., M. Phil., B.Ed., Ph.D.,	Asst Professor	Translation	21	1
11	Dr. P. Thiyagarajan	M.A., M. Phil., Ph.D., PGDTE.,	Asst Professor	Translation	17	-
12	Dr. L. Baskaran	M.A., M.A., B.Ed., M. Phil., Ph.D.,	Asst Professor	English Grammar	17	-

13	Dr. S. Shanmugasundaram	M.A., M. Phil., Ph.D.,	Asst Professor	English Language Teaching	15	-
14	Prof. D. Uma Maheswari	M.A., M. Phil.,	Asst Professor	American Literature	11	-
15	Prof. M. Sujatha	M.A., M. Phil.,	Asst Professor	British Literature	11	-
16	Prof. D. Tamilvanan	M.A., M. Phil., SLET.,	Asst Professor	American Literature	16	-
17	Prof. C. Rengarajan	M.A., M. Phil.,	Asst Professor	Indian Writing in English	12	-
18	Mr. C. P George Kennady	M.A., M. Phil.,	Guest Lecturer	American Literature	11	-
19	Mr. M. Subramanian	M.A., M. Phil.,	Guest Lecturer	British Literature	10	-
20	Ms. S. Parameswari	M.A., M. Phil.,	Guest Lecturer	Indian Writing in English	8	-
21	Ms. J. Durgasri	M.A., M. Phil.,	Guest Lecturer	American Literature	8	-
22	Dr. C. Suganthi	M.A., Ph.D.,	Guest Lecturer	Women's Writing in English	7	-
23	Mr. Indirajit	M.A., M. Phil.,	Guest Lecturer	Indian Writing in English	1	-

8. Percentage of classes taken by temporary faculty programme-wise information

Course	Percentage of Class Handled
B.A. English (Shift 1)	-
B.A. English (Shift 2)	100
M.A. English	-

9. Programme wise Student -Teacher Ratio

Course	Student-Teacher Ratio
B.A. English (Shift 1)	6.2:1
B.A. English (Shift 2)	17.5:1
M.A. English	3.5:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sl. No	Name of the post	Sanctioned	Filled
01	Technical Staff	-	-
02	Administrative Staff	-	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

13. Research Centre / facility recognized by the University

Recognized as Research Centre by Bharathidasan University, Thiruchirapalli  
Reference No: 000032/D6/2012, Date: 27.02.2012

4. Publications:

Chapters in Books:		2010-2011	2011-2012	2012-2013	2013-2014
01	Dr. R. Parthiban	-	3	1	-
02	Prof. Lt. G. Arunachalam	2	1	1	-
03	Dr. S. Sakthivel	-	-	3	1
04	Prof. P. Neelakandan	-	-	1	-
05	Dr. G. Manivannan	2	-	4	-

06	Prof. P.N. Gunanithi	-	-	1	-
07	Prof. S. Jayakumar	-	-	1	-
08	Prof. T. Devaraj	-	-	1	1
09	Dr. L. Rajesh	1	2	2	-
10	Dr. N. Swaminathan	2	1	6	1
11	Dr. P. Thiyagarajan	1	1	1	1
12	Dr. L. Baskaran	-	2	1	1
13	Dr. S. Shanmugasundaram	1	1	1	2
14	Prof. D. Uma Maheswari	-	-	1	-
15	Prof. M. Sujatha	-	-	1	-
16	Prof. D. Tamilvanan	-	-	1	-
17	Prof. C. Rengarajan	-	-	1	-
18	Mr. C.P. George Kennady	-	-	1	-
19	Mr. M. Subramanian	-	-	1	-
20	Ms. S. Parameswari	-	-	1	-
21	Ms. J. Durgasri	-	-	1	-
22	Dr. C. Suganthi	-	-	1	-
23	Mr. A. Indirajit	-	-	1	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies

Academic Staff Development Programmes	Number of faculty Attended				
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Refresher courses	-	-	3	2	3
HRD programmes	-	-	-	-	-
Orientation programmes	1	-	-	-	-
Staff training conducted by the College	-	-	-	17	23
Staff training conducted by University/ other Colleges	-	4	-	-	-
Summer/winter schools, workshops, etc	17	5	-	20	6
Any other (please Specify)	-	-	-	-	-
Seminar/Conference	10	9	22	7	6

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Sl. No.	Faculty Name	Particulars
01	Dr R Parthiban	Life member in Indian Society for Technical Education Member, Inspection Committee for Course approval, Bharathidasan University, Thiruchirapalli
02	Dr G Manivannan	Life member in Indian Society for Technical Education
03	Dr L Rajesh	Member of the Editorial Board, Collins Dictionary Member of the Editorial Board, Longman Dictionary

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme:

M.A. Project Work - 100%

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: Nil

20. Awards / Recognitions received by faculty and students: Nil

21. Seminars (S)/Conferences (C)/Workshops (W) organized & the source of funding

Level	Funding Agency	Title of Seminar/Conference/Workshop
<b>2010-2011</b>		
National	UGC autonomous fund	Diasporic Literature on 11 <sup>th</sup> March 2011
National	CIIL Mysore	Orientation Programme on Translation from 18.01.2011 to 20.01.2011
<b>2012-2013</b>		
National	UGC autonomous fund	Multi-culturalism in Modern American literature on 22 <sup>nd</sup> March 2013
International	UGC autonomous fund	Humanistic Values in Modern Literature in English on 21 <sup>st</sup> March 2013
<b>2013-2014</b>		
National	CIIL Mysore	Workshop on Corpus Based Dictionary from 27.01.2014 to 29.1.2014

## 24. List of eminent academicians and scientists / visitors to the department

Name of Eminent Academician	Date
Dr Mallachi Edwin Vethamani, Dean, School of Education, Taylors University, Malaysia.	21.03.2013
Mr. David Wiles, St Vincent De Paul Society, National Sponsorships Officer, Tankerton -on-sea , Kent CT5 2J2 Tel. 07710868595	17.01.2013

## 22. Student profile programme/course wise:

Year	No of Students Enrolled											
	UG			PG			M. Phil.			Ph. D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	58	21	79	20	14	34	-	-	-	-	-	-
2011-2012	50	26	76	19	19	38	-	-	-	-	-	-
2012-2013	50	28	78	17	17	34	-	-	-	9	5	14
2013-2014	59	33	92	13	29	42	-	-	-	8	7	15
2014-2015	59	27	86	11	25	36	-	-	-	1	2	3

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

## 24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	No of Students Cleared						
	NET	SLET	GATE	TET	Defense services	Civil services	Others (specify)
2012-2013	-	2	-	5	-	-	4 TNPSC
2013-2014	-	-	-	7	-	-	6 TNPSC
2014-2015	-	-	-	-	-	-	5 TNPSC

## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	8	10	14	12
PG to M. Phil.	4	6	7	9
PG to Ph.D.	-	-	-	1
Ph.D. to Post Doctoral	-	-	-	-

Employed-Govt.	-	-	9	13
Employed-Private	-	-	2	-
Campus selection	-	-	-	-
Other than campus recruitment Entrepreneurship/Self-employment	-	-	-	-

## 26. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	100
From other universities within the states	-
From other universities from other states	-

27. Number of faculty who were awarded Ph. D., D. Sc. and D. Lit. during the assessment period:

Name of faculty awarded Ph. D.	Year
1. Dr.R.Parthiban	2011
2. Dr.S.Sakthivel	2013
3. Dr.S.Shanmugasundaram	2013

## 28. Present details about Infrastructural facilities

a) Library : 4000 Books

Book Bank	3858
Bharathidasan University Book Bank (BUBB)	142
Total	4000

b) Internet facilities for Staff & Students: 12 systems with internet connection

c) Total number of classrooms: 5

d) Class rooms with ICT facility: 1 (Language Laboratory)

29. Number of students receiving financial assistance from college, university, government or other agencies

Year	SC/ST		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	30	12	17	14	16	7	96
2011-12	22	11	19	11	12	5	85
2012-13	31	13	16	12	14	8	94
2013-14	32	15	12	11	12	6	94
2014-15	28	10	15	11	14	7	85

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA

31. Does the department obtain feedback from?

a) Faculty on curriculum as well as **teaching-learning-evaluation**? If yes, how does the department utilize it?

### Curriculum

Yes. The feedback from the faculty helps the department in designing the curriculum giving importance to syllabus for NET/SLET. As per the unanimous suggestion of the faculty, a paper on grammar and usage has been introduced in the curriculum of B.A., English.

### Teaching-learning-evaluation

- Class room teaching is supplemented with audio, video materials. Films on classics are screened.
- Developing communication skills of the students.
- Conducting debate, Group discussion and other activities to develop presentation skills .

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

### Curriculum

- YES, the suggestions given in the feedback by the students are discussed in the Departmental Review Meeting and necessary measures are taken accordingly.
- Books giving importance to communication skills are prescribed as text for Part II English.

### Teaching-learning-evaluation

- Study materials are provided to the students.
- Students' Seminars are conducted to develop communication and presentation skills

c. Alumni and employers on the programmes and what is the response of the department to the same?

- An alumni is the member of the Department Board of Studies. Feedback from the Alumni is given due consideration in designing the curriculum.
- A paper on Indian Women Novelists has been introduced.



32. List the distinguished alumni of the department

S. No.	Student Name	Address of Working Place
01	Suresh Kumar, S.	Central Institute of Indian Languages, Mysore
02	Muruga Boopathy, S.	SASTRA University, Thanjavur
03	Sakthivel, S.	Rajah Serfoji Govt College, Thanjavur
04	Neelakandan, P.	Rajah Serfoji Govt College, Thanjavur
05	Rajesh, L.	Rajah Serfoji Govt College, Thanjavur
06	Gopinath Ragu, K.	Govt High School Kodiyalam, Tiruvannamalai District
07	Gurumoorthy, R.	Govt Higher Secondary School, Pachur, Thanjavur District
08	Ramachandran, S.	Govt Higher Secondary School, Kuruvikkarambai, Thanjavur District
09	Jayaraman, K.	Govt Hr Sec School, Veeramangudi, Thanjavur District
10	Vijaya Kumar, T.	Govt High School, Valappakudi, Thanjavur District

33. Give details on student enrichment programmes (special lectures/workshops/seminar) with external experts

Name	Date
Dr R Gopalsamy, Rtd Professor of English, RSGC, Thanjavur	03.03.2010
Dr K Rajamanickam, Professor of English, SASTRA University, Vallam	09.03 2011
Dr T Jayaraman, Rtd Professor of English, Central University, Thiruvarur	15.03 2012
Dr R Shanthi, Associate Professor of English, AVVM Sri Pushpam College, Poondi	15.03.2012
Dr Suresh Fredrick, Associate Professor of English, Bishop Heber College, Thiruchirapalli	29.03.2013
Dr R Jayakumar, Associate Professor of English, EVR College, Thiruchirapalli	27.03.2014
Dr R Ganesan, Associate Professor of English, HH Raja's College, Pudukkottai	03.03.2014

34. Teaching methods adopted to improve student learning

- Lectures
- Using multimedia facilities in teaching- learning
- Using YouTube movies and other e- content
- Group discussion
- Quiz
- Student seminar

- Teaching English **Grammar** by power point presentation using LCD projector.
- English pronunciation is being taught through **live internet** audio files.
- The PG English students are made to become familiar with the short-hand scripts motivating them to learn Short-hand which will be useful since they are students of English Literature.
- Students aspiring to learn English language, listen to the pronunciation of different sounds of English language in British accent and American accent, and read the text simultaneously so that they become familiar with the spelling, intonation and pronunciation.

Some of the components of multimedia content used to supplement teaching-learning are given below:

Text: I Have a Dream – Martin Luther King Jr

The text of King's speech was provided to the students.

The audio version of King's speech was played.

Students read the text, listen to the speech / audio. This motivated the students to read the text and listen to the audio several times.

Surfacing – Margaret Atwood

The students read the text of the novel.

Later the movie of the novel was screened on the LCD projector.

Having read the text, when the students watched the movie they could get a better understanding of the novel and evinced interest in self learning using e- content available on the internet.

### **Films screened for the students**

- Julius Caesar, Macbeth, Antony and Cleopatra, Hamlet, Romeo and Juliet, As you like It – Shakespeare
- Emma, Pride and Prejudice – Jane Austin
- Pygmalion – G B Shaw

Using multimedia components like LCD projectors, microphones and headphones, and PowerPoint presentations make students involve in multi level learning.

**Inter-disciplinary teaching:** For world classical literature, viz., teaching THIRUKKURAL a faculty from Tamil department participated in the discussion sessions.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The attainment of programme objectives is monitored by assessing the participation of the students in co-curricular, and other scholarly activities, progression in higher studies, research and employment in government and non government organizations.

They are periodically monitored for development of soft skills, good communication skills. The Language Lab is used to train our students in communication skills and soft skills.

To monitor the learning outcomes of the students, the department organizes periodical monthly tests, weekly assignments apart from model and end semester examinations.

Based on the result analysis if there is any underperformer, they are given special coaching by their respective subject teachers.

36. Highlight the participation of students and faculty in extension activities.

#### **Faculty**

- Lt. G. Arunachalam, Associate Professor of English, has been the Company Commander of our college NCC unit since 2009.
- Prof. P.N. Gunanithi, Assistant Professor of English, has been programme officer of our college NSS unit from 2012-14.

#### **Students**

- Participation and contribution for government conduct examinations like TNPSC, TRB, Railway services exam, UNIFORMED SERVICES
- Three members of Staff of English conducted spoken English class for auto rickshaw drivers under the auspices of the Tamil Nadu Tourism Development Corporation.
- Two members of Staff of English department conducted English classes for the LIC employees for the examination for promotion in the LIC head office premises, Thanjavur.

37. Give details of “beyond syllabus scholarly activities” of the department.

- Participation in seminars/workshops/ conferences
- Dictionary preparation
- Conducting Debates to the students

- Conducting Quiz, Essay Writing
- Conducting NET/SLET Coaching Class
- Coaching Class for SC/ST Students
- 70 Post Graduate Students participated in an Orientation Programme for the students on Translation organized by the Department of English, Rajah Serfoji Government College, Thanjavur in collaboration with National Translation Mission, Mysore from 18.01.2011 to 20.11.2011
- 10 Post Graduate Students participated in a three day workshop on Corpus Based Dictionary organized by the Department of English, Rajah Serfoji Government College, Thanjavur in collaboration with Linguistic Data Consortium for Indian Languages, Mysore from 27.01.2014 to 29.1.2014.
- Students of UG & PG participated and presented papers in a one day International Conference on Humanistic Approach in modern literature in English on 21st March 2013 at Rajah Serfoji Government College, Thanjavur in collaboration with University Grants Commission.
- 4 Post Graduate Students of English Department participated in a seven day validation workshop on Corpus Based Dictionary organized by the Department of English Rajah Serfoji Government College (Autonomous), Thanjavur-5 from 7th – 13th January 2015.
- 15 Students attended and presented paper in a one-day national seminar on Afro- American Literature conducted by Department of English, Bon Secours College for Women, Thanjavur on 7th February 2015.
- 15 Students participated in a One-day Workshop on Phonetics conducted by Department of English, M.R. Govt Arts College, Mannargudi on 20th February 2015.
- 15 Students participated in a one-day State level Seminar on Themes and Trends in the Literature of Diaspora conducted by Department of English, M.R. Govt. Arts College, Mannargudi on 29th January 2015.

38. State whether the programme/ department is accredited/ graded by other agencies. Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**STRENGTH:**

- Qualified and experienced faculty
- Full-fledged research activities
- Language laboratory
- Enriched Library
- Literary Club

**WEAKNESS:**

- Lack of UGC projects
- First generation Students undergoing higher education in our Department.
- Students face difficulty to learn in English as most of them come from Tamil Medium background.

**OPPORTUNITIES**

- Jobs in Central / State governments
- Employment opportunities in private sectors.

**CHALLENGES**

- As students hail from rural area they find it hard to communicate in English.
- There are a few dropouts in all the classes due to financial crisis in the family.

**40. Future plans of the department.**

- Plan to introduce more innovative research programmes in English Language Teaching and literature
- Plan to organize more national and international seminars, workshops and conferences.
- Encouraging the staff members to apply for UGC Sponsored Minor and Major Projects.
- Plan to start M. Phil. Programme (Part time and full time)

## PG AND RESEARCH DEPARTMENT OF MATHEMATICS

1. Name of the Department & its year of establishment:

PG and Research Department of Mathematics & June 1957

2. Names of Programmes/Courses offered (UG, PG, M. Phil., Ph. D., etc.)

S. No	Name of the Course	Medium	Duration (Years)	Part Time/ Full Time
1	B. Sc. Mathematics	English	3	Full time
2	B. Sc. Mathematics	Tamil	3	Full time
3	M. Sc. Mathematics - A	English	2	Full time
4	M. Sc. Mathematics - B	English	2	Full time
5	M. Phil. Mathematics	English	1	Full time
6	Ph. D. Mathematics	English	3 (PG qualification) 2 (PG with M. Phil)	Full time
7	Ph. D. Mathematics	English	4 (PG qualification) 3 (PG with M. Phil)	Part time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/ choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments

Sl. No.	Department	Course	Subject
01	Physics	B.Sc.	Graph Theory - NME
02	Economics	B.A.	Basic Mathematics - NME

6. Number of Teaching posts sanctioned and filled

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	17	-	12	4	1

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors.

## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.,)

Sl No	Name	Qualification	Designation	Specialization	Experience (yrs)	No of Ph. D. students guided for the last 4 years
1	A. Saivarajan	M. Sc., M. Phil	Asst Professor	Graph Theory, O.R	21	--
2	V. Rajam	M. Sc., M. Phil	Asst Professor	Stochastic Processes	15	--
3	K. Elangovan	M. Sc., M. Phil.,	Asst Professor	O.R., Graph Theory	10	--
4	Dr. P. Gomathi Sundari	M. Sc., M. Phil., Ph. D.	Asst Professor	Stochastic Processes	11	--
5	K. Radhika	M. Sc., M. Phil	Asst Professor	Graph Theory	10	--
6	Suganthi Mariyappan	M. Sc., M. Phil	Asst Professor	Graph Theory, Stochastic Processes	10	--
7	Dr. N.Rajesh	M. Sc., M. Phil., Ph. D.,	Asst Professor	General Topology	17	1
8	K.S. Krishnamohan	M. Sc., M. Phil	Asst Professor	O.R., Graph Theory	10	--
9	Dr. K. Muthu Guru Packiam	M. Sc., M. Phil., Ph. D	Asst Professor	Graph Theory	17	--
10	B. Mohamed Harif	M.Sc., M. Phil	Asst Professor	Algebra	6	--
11	Dr. P. Senthil Kumar	M. Sc., B. Ed., M. Phil., Ph. D	Asst Professor	Stochastic processes	17	--
12	R. Thangappan	M. Sc., M. A., M. Phil., M. Ed	Asst Professor	Graph Theory	4	--
13	S.T.Jagatha	M. Sc., M. Phil	Guest Lecturer	Mathematical Modeling	9	--
14	V.Bharathi	M. Sc., M. Phil., B. Ed.,	Guest Lecturer	Graph Theory	3	--
15	S.Surega	M. Sc., M. Phil	Guest Lecturer	Graph Theory	3	--
16	A.Karthiga	M. Sc., M. Phil	Guest Lecturer	Complex Analysis	6	--

8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Course	Percentage of Class Handled
B. Sc. Mathematics	22

9. Programme wise Student -Teacher Ratio: UG 14:1  
PG 8:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	-	-
02	Administrative Staff	-	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

13. Research Centre / facility recognized by the University:

Recognized as a Research Centre by Bharathidasan University, to offer Ph.D Programme.

Ref. No. 000032/ D9 / 2012 / 07-05-2012.

14. Publications:

No. of papers published in peer reviewed journals (national/ international)	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
A.Saivarajan	-	-	-	1	-
Dr.P.Gomathi Sundari	-	1	4	2	-
Dr.N.Rajesh	24	23	27	34	23
Dr.K.MuthuGuruPackiam	1	1	1	-	2
B.Mohamed Harif	-	-	-	1	5
Dr.P.Senthil Kumar	-	-	-	13	2
R. Thangappan	-	-	-	-	2
Number listed in international database	-	-	-	-	-
SCOPUS	-	-	-	-	-
Web of Science	-	-	-	-	-
Citation index - range / average	-	-	-	-	-
Impact Factor - range / average	-	-	-	-	-
h-index	-	-	-	-	-



15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies

Programmes	Number of faculty Attended				
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Refresher courses	2	3	3	7	-
HRD programmes	-	-	-	-	-
Orientation programmes	4	-	-	-	-
Staff training conducted by the College (eg. IQAC)	-	-	-	16	16
Staff training conducted by University/ other Colleges	1	-	-	-	-
Summer/winter school, workshop, etc	1	3	4	8	-
Any other (please Specify)	-	-	-	-	-
Seminar/Conference	3	2	1	5	-

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

100% (PG, M. Phil. project)

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: Nil

20. Awards /Recognitions received by faculty and students:

University Rank Holders		
Year	Name and Course	Rank
2010 - 11	N. Prabhavathy (09PMA2013) M. Sc.	11
2011 - 12	R. Saranya (10PMA2018) M. Sc.	3
2013 - 14	B. Vetriventhan (11ME0119), B. Sc.	14

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding: Nil

## 22. Student profile programme/course wise:

Year	No of Students Enrolled											
	UG			PG			M. Phil.			Ph. D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	45	26	71	9	43	52	4	11	15	-	-	-
2011-2012	45	27	72	20	40	60	3	12	15	-	1	1
2012-2013	30	34	64	9	51	60	1	14	15	4	2	8
2013-2014	38	35	73	18	46	64	1	14	15	2	2	4
2014-2015	41	34	75	11	52	63	3	12	15	1	1	2

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	No of Students Cleared						
	NET	SLET	GATE	TET/TRB	Defense services	Civil Services	Others (specify)
2011-2012	-	1	-	1	-	-	-
2012-2013	-	-	-	5	-	-	Police - 1 TNPSC- 2 Bank -1
2013-2014	-	-	-	6	-	-	-
2014-2015	-	-	-	3	-	-	-

## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	13	24	25	19
PG to M. Phil.	15	7	7	8
PG to Ph.D.	-	-	-	-
Ph.D. to Post Doctoral	-	-	-	-
Employed-Govt.	-	1	9	6
Employed-Private	-	-	-	-
Campus selection	-	-	-	-
Entrepreneurship/Self-employment	-	-	-	-

## 26 Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	87.5
From other universities within the states	12.5
From other universities from other states	Nil

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period: 01

Dr.P.Gomathi Sundari – May-2014

28. Present details of Infrastructural facilities:

a) Library: Total No. of Books Available in the Department: **3728**

Text Books	513
Book Bank	528
Bharathidasan University Book Bank (BUBB)	53
COSIP	109
General Books	2525
Total	3728

b) Internet facilities for Staff & Students:

6 systems (5 with internet with wi-fi connection)

c) Total no of class rooms: 8

d) Class rooms with ICT facility:

LCD projector is available in the department. Facilities are utilized whenever need arises.

e) Student Laboratories:

Computer Lab-1

f) Research Laboratories: Nil

29. Number of students receiving financial assistance from college, university, government or other agencies:

**Number of students receiving Scholarship from Tamil Nadu Government**

Year	BC	MBC/DNC	SC/ST	TOTAL
2010 - 2011	137	72	96	305
2011 - 2012	141	81	93	315
2012 - 2013	139	74	95	308
2013 - 2014	140	79	105	324
2014 - 2015	133	75	111	319

**Tamil Medium fund**

Year	No. of Students
2010 - 2011	111
2011 - 2012	112
2012 - 2013	110
2013 - 2014	106
2014 - 2015	109

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA

31. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. The department implements all the valuable suggestions at the time of curriculum design, which are received from our faculty members. Theory and practical paper on Latex software has been introduced in the PG syllabus.

**Teaching - Learning - Evaluation:**

- Group Discussion and seminar.
- Unit wise test.
- Oral Test at the end of hour.

b) students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. The respective staff member changes his/her teaching methodology as per students' feedback. It is also utilized while revising the syllabus. Some units are simplified in the 'Graph Theory' paper.

**Teaching - Learning - Evaluation:**

- Group Discussion and seminar.
- Unit wise test.
- Oral Test at the end of hour
- Study materials are provided
- Remedial classes are conducted

c) Alumni and employers on the programmes and what is the response of the department to the same?

Yes. Their valuable suggestions are considered in the curriculum design. Number Theory paper is introduced to the UG from PG.

32. List the distinguished alumni of the department:

S.No.	Name	Year	Degree	Post & Institution
01	Gopinath, D.	2013	M.Sc.	B.T. Assistant, TRB
02	Rajeshwari, C.	2013	M.Sc.	B.T. Assistant, TRB
03	Muthukumar, K.	2013	B.Sc.	Sec. Grade Teacher, TRB
04	Thamilarasan, S.	2013	B.Sc.	Sec. Grade Teacher, TRB
05	Sudhakar, S.	2013	B.Sc.	Sec. Grade Teacher, TRB
06	Sivakarthish	2013	B.Sc.	Junior Assistant, TNPSC Gr IV
07	Murugesu, C.	2013	M.Sc.	Assistant, TNPSC Gr II
08	Soundarya	2013	M.Sc.	Bank
09	Prabhavathi, C.	2013	M.Sc.	Asst. Professor Valliammai Eng. College, Chennai
10	Hema, C.	2013	M.Sc.	Asst. Professor Vellammal Eng College., Chennai
11	Karthikeyan, M.	2011	B.Sc.	Sec. Grade Teacher, TRB

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts

Sl. No.	Year	Activity (Year-wise)
01	2011-2012	State Level Seminar on Applied Mathematics 22, March 2012
02	2012-2013	Intercollegiate quiz programme 15 <sup>th</sup> March 2013
03	2013-2014	Seminar on Graph Theory and Stochastic Processes 26 & 27, August 2013. Workshop on LaTeX, 4 <sup>th</sup> March, 2014 Intercollegiate Mathematical Competition was conducted on 5 <sup>th</sup> March 2014.
04	2014-2015	Special lecture on Role of Mathematics 18 <sup>th</sup> March 2015

34. List of teaching methods adopted to improve student learning:

- Class room Seminar and Unit wise test
- Quiz
- Group discussion
- PPT

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Programme objectives:

Awareness about mathematical sciences, application of theories and avenues in higher education and research and the success rate of our students in higher studies, research, employment and competitive examinations stand testimony to the realization of the programme objectives.

## Outcomes Monitored:

- Student Assignment
- Continuous Internal Assessment Test
- Classroom seminar sessions
- Faculty feedback report
- Mid Semester and End Semester Exam

36. Highlight the participation of students and faculty in extension activities: Nil

37. Give details of “beyond syllabus scholarly activities” of the department

Year	Name of the Student	Programme	College/ University	Prize/ Award
12 March 2015	K. Sivananthi	Real Life Application in Mathematics Paper presentation	Bon Secours College for Women, Thanjavur	Third place
	S. Dinesh	Math Model		Third place
	M. Revathi K. Epsi kiruba	Math Quiz		First place
	D. Sathiyaraja V. Sakthi Ayyappan	Math Rangoli		First place
	M. Revathi R.Elamathi	Math Rangoli		----
31 Jan 2015	D. Sathiyaraja V. Sakthi Ayyappan	Math Rangoli	Bishop Heber College, Trichy	Third prize
	K. Sivananthi	Paper presentation (Ramanujan Peterson Conjecture)		---
	G. Jaya lakshmi K. Epsi kiruba	Math Quiz		---
	K. Raju V. Pazhanivel	Math Fun		---
	R. Elamathi	Math Model		----
19 Feb 2015	K. Sivananthi G. Jaya Lakshmi K. Epsi Kiruba	Math Intellect	Holy Cross College (Autonomus), Trichy.	----
	D. Sathiyaraja V. Sakthi Ayyappan	Math Rangoli		----
	M. Revathi R.Elamathi	Math Reckon		----
	D. Sathiyaraja V. Sakthi Ayyappan E. Sabarikrisan S. Dinesh	Math Blaster		----

25 Feb 2015	D. Sathiyaraja V. Sakthi Ayyappan	Math Rangoli	Jamal Mohammed College, Trichy	First prize
	G. Jaya lakshmi K. Epsi kiruba S. Dinesh Kumar	Math Quiz		----
	V. Palanivel G.Raju B.Elavarasi T.Infanta Rani	Dumb – C		----
	M.Lakshmi Priya T.Priyanka	Math Rangoli		----
	K. Sivananthi	Master mind		----
	R.Elamathi M.Revathi	Math wonder		----
	E.sabarikrisan R.Dhivya K.Shanthini	Guess me		----
21 Feb 2015	K. Sivananthi	Paper presentation (Population Statistic)	Bishop Heber College, Trichy	----
	K. Epsi kiruba G. Jaya lakshmi E.Sabarikrisan	Debugging		----
	T.Infanta Rani S. Dinesh	Math Puzzle		----
	D. Sathiyaraja V. Sakthi Ayyappan	Math Model		----
29 Dec 2014	V. Sakthi Ayyappan	Mathematical Modeling	Nehru Memorial College, Trichy	Second prize
28 Feb 2013	G. Suganya M. Maria Niruba	Who am I? Math Rangoli	Rovers Arts & Science College, Perambalur	----
06 Jan 2012	G. Suganya M. Maria Niruba	Math Quiz	Holy Grass College, Trichy	----

Our students actively participate in extension activities which are made compulsory for the UG students under Part- IV.

38. State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**Strength:**

- Research facilities.
- Computer Laboratory with internet and Wi-Fi facilities
- Good Number of Publications.

**Weakness:**

- Students from Rural Background.
- Spoken English of the students

**Opportunities**

- Jobs in Government and Non government Organizations
- Jobs in Banking Sector
- Eligibility to do research in Advanced Technology Oriented fields

**Challenges:**

- Communication skills
- Teaching other department students who do not have knowledge in basic mathematical concepts.

**40. Future plans of the department**

- It is planned to give special coaching to the outgoing students to enable them face competitive examinations without hesitation and fear.
- It is planned to conduct national and international seminars in future.



### PG DEPARTMENT OF STATISTICS

1. Name of the Department & its year of establishment:

**PG Department of Statistics / JUNE 1979**

2. Names of Programmes / Courses:

Sl. No.	Name of the Course	Medium	Duration	Part Time/Full Time
01	B. Sc. Statistics	English	3 years	Full Time
02	M. Sc. Statistics	English	2 years	Full Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments

Sl. No.	Department	Course	Subject
01	Biotechnology	B. Sc.	Biostatistics
02	Computer Science	B. Sc	Statistical Data Analysis

6. Number of teaching posts sanctioned and filled

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors and Professors.

Sl. No.	Sanctioned Teaching Posts	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
1	09	01	02	05	01

## 7. Faculty profile with name, qualification, designation, specialization:

Sl. No.	Name	Qualification	Designation	Specialization	Experience (yrs)
1	Prof. P.Veeramani	M. Sc., SLST, M. Phil., M.B.A., PGDGC, PGDEAS, PGDHRM, PGDPA.	Associate Professor	Queuing Theory	18
2	Prof. V.Murugesan	M. Sc., M. Phil., D.Coop.,	Assistant Professor	Stochastic Processes, Biostatistics	13
3	Prof. M.Rajan	M. Sc., M. Phil., PGDCA,	Assistant Professor	Queuing Theory	14
4	Dr. A. Joshua Joseph	M. Sc., M. Phil., Ph. D., PGDCSA.,	Guest Lecturer	Queuing Theory, Biostatistics	13
5	Dr .G. Arivazhagan	M. Sc., M. Phil., Ph.D.,	Guest Lecturer	Stochastic Processes	3
6	Dr. M.Rabert	M. Sc., M. Phil., Ph. D., PGDSBSA	Guest Lecturer	Stochastic Processes	8
7	Prof. R.Vetri Selvi	M.Sc., M. Phil.,	Guest Lecturer	Multivariate analysis	4
8	Prof. S. Malathi	M.Sc., M. Phil.,	Guest Lecturer	Queuing Theory	2

## 8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Programme	Percentage of classes handled	
	Theory	Practical
UG	62.5	62.5
PG	62.5	62.5

## 9. Programme wise Student -Teacher Ratio:

Programme	Student strength	Student - Teacher Ratio	Total Teachers
UG	90	16:1	5
PG	40	13:1	3

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	Nil	-
02	Administrative Staff	Nil	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received. Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants Received: Nil

13. Research Centre / facility recognized by the University: Nil

14. Publications:

Year	2010-2011	2011-2012	2012-2013	2013-2014
No. of papers published in peer reviewed journals (national/ international)	3	1	2	-
Chapters in Books:	-	-	-	-
Number listed in international db	-	-	-	-
SCOPUS	-	-	-	-
Web of Science	-	-	-	-
Citation index – range / average	-	-	-	-
Impact Factor – range / average	-	-	-	-
h-index	-	-	-	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies:

The faculties are encouraged to enrich and update the knowledge through active participation in the Workshops, Seminars, and Conferences in National and International level. They are also encouraged to attend Orientation, Refresher Courses, and other in-service programmes to hone their professional knowledge and skills.

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental /programme

Year	Percentage of in-house projects
2012-2014	100.00

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/other agencies: Nil

20. Awards / Recognitions received by faculty and students

Sl. No.	Student Name	Year	Award
<b>B. Sc. Statistics</b>			
01	A. Mallika	2012-2013	1 <sup>st</sup> Rank Bharathidasan University
02	G. Reka	2013-2014	3 <sup>rd</sup> Rank- Bharathidasan University
<b>M. Sc. Statistics</b>			
03	A. Poongodi	2013-2014	1 <sup>st</sup> Rank Bharathidasan University

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding

2013-2014		
Level	Funding Agency	Title of Seminar/Conference/Workshop
National	UGC	Applications of Statistics in Real Life 24.03.2014

22. Student profile programme /course wise:

Year	No of Students Enrolled											
	UG			PG			M. Phil.			Ph. D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	13	04	17	-	-	-	-	-	-	-	-	-
2011-2012	14	08	22	-	-	-	-	-	-	-	-	-
2012-2013	09	08	17	12	12	24	-	-	-	-	-	-
2013-2014	07	06	13	04	15	19	-	-	-	-	-	-
2014-2015	06	09	15	05	11	16	-	-	-	-	-	-

23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Nil

25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
UG to PG	8	7	14	08	10
PG to M. Phil.	-	-	-	11	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post Doctoral	-	-	-	-	-
Employed/Govt./ Private Campus selection Other than campus recruitment Entrepreneurship/Self-employment	-	-	-	-	-

26. Diversity of staff:

Percentage of faculty who are graduates	
Of the same parent university	50
From other universities within the states	50
From other universities from other states	-

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period

Sl. No	Name	Year of Award
01	Dr. G. Arivazhagan	May, 2011
02	Dr. A. Joshua Joseph	July, 2013
03	Dr. M. Rabert	January, 2015

28. Present details about Infrastructural facilities

a) Library

Sl. No.	Category	No. of books
01	Planning (UGC fund)	584
02	Non-planning (State Govt. fund)	1064
03	Total	1648

b) Internet facilities for Staff & Students

Internet Connection with Wi-Fi is available for the use of staff and students.

c) Total number of class rooms: 5

d) Class rooms with ICT facility:

LCD projector is available in the department which is used for class room teaching along with a computer whenever required.

e) Student Laboratories

- Department computer lab 1 (UG & PG)

f) Research Laboratories: Nil

29. Number of students receiving financial assistance from college, university, government or other agencies:

State Government Scholarship

Year	SC/ST(SCA)		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	32	-	23	-	4	-	59
2011-12	30	-	26	-	7	-	63
2012-13	22	8	23	9	7	7	76
2013-14	20(1)	18	19	15	10	10	93
2014-15	17(1)	18	17	11	10	6	80

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, the students in and around Thanjavur were unable to get chance to study M. Sc. Statistics. Our interaction with the UG students and their parents revealed that they wanted to pursue their post graduation in our college itself because of affordability and the quality of teaching and learning. Based on the feedbacks, M.Sc. Statistics was started on 21.08.2012.

31. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Based on the feedback the following changes have been made in curriculum, teaching-learning and evaluation.

The syllabus has been enriched with components that help the students in competitive exams and placement.

The following techniques have been adopted to improve the performance of the students:

- Oral Test at the end of hour.
- Unit wise Seminar and Group Discussion.
- Class test.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, Based on feedback from the students we have changed some topics in the following papers: 1. Statistical Inference 2. Statistical Quality Control 3. Operations Research and 4. Statistical Software Packages.

c) Alumni and employers on the programmes and what is the response of the department to the same?

We used to conduct Alumni meeting every year and the department record the suggestions from the alumini.

The following are the changes made in curriculum based on the suggestions from the alumini:

First II units modified in the paper 'Distribution Theory'

32. List the distinguished alumni of the department

S. No	Name	Academic Year	Working Place
1	S. Suresh Gnana Raj	1992-1995	Assistant Professor J.J. Arts and Science College , Pudukottai
2	K. Kishore Kumar	1992-1995	Assistant, TNEB, Thanjavur
3	S. Irudaya raj	1993-1996	Assistant Professor Adaikala Matha College Vallam, Thanjavur.
4	Dr. A.Joshua Joseph	1995-1998	Guest Lecturer, Rajah Serfoji Govt. College, Thanjavur
5	K.Shankar Singh	1998-2001	Assistant Professor, Ganam Business School Vallam, Thanjavur
6	Dr. M. Rabert	1997-2000	Guest Lecturer, Rajah Serfoji Govt College(AU) Thanjavur
7	Dr. Arivazhagan	1994-1997	Guest Lecturer, Rajah Serfoji Govt College(AU) Thanjavur
8	Ms. M. Sangeetha	1997-2000	Assistant Statistical Investigator Kumbakonam
9	Ms. Yugavathi	1997-2000	Assistant Statistical Investigator, Thanjavur
10	Mr. S. Vijayakumar	1999-2002	Computer cum Vaccine Store Keeper, Thiruchirapalli.

33. Give details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil

34. List the teaching methods adopted by the faculty for different programmes

- Lectures
- Seminars
- Group Discussion
- Assignments.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Realization of programme objectives:

A number of our students progress in higher studies, and got employed in government and private sectors in jobs that require statistical knowledge and skills. The success of our students in higher education and employment help us understand how far the objectives of the programmes are realized.

Learning outcomes are monitored through the following methods :

- a) Students" Assignment.
- b) Continuous Internal Assessment  
Test
- c) Classroom seminar sessions

36. Highlight the participation of students and faculty in extension activities:  
Nil

37. Give details of "beyond syllabus scholarly activities" of the department

- PG -UGC/ CSIR -NET/SET exams related coaching.
- UG - Coaching for job oriented Central (SSC, ISS) and State (TNPSC) level competitive examinations

38. State whether the programme/ department is accredited/ graded by other agencies. Give details: Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength:

- Job opportunity in government and non-governmental organizations.
- Availability of faculties with Ph.D. degree.
- CSIR-NET and SET based Syllabus



**Weakness:**

- Students from rural background.
- Inadequate communication skills in English
- Inadequate staff members

**Opportunity**

- Govt. Jobs
- Self Employment

**Challenges:**

- Financially weak students
- Students from poor background
- Making technically strong students with available facility

**40. Future plans of the department**

- Plan to start research programmes (M. Phil.).
- Establishment of Separate computer lab for statistics department
- Plan to start add-on courses on applications of statistical software

**PG & RESEARCH DEPARTMENT OF PHYSICS**

1. Name of the department and its year of establishment :

PG & Research Department of Physics; 1957

2. Names of Programmes/Courses offered:

Sl. No.	Name of the Course	Medium	Duration in Years	Part Time/ Full Time
01	B.Sc. Physics	English	3	Full Time
02	B.Sc. Physics	Tamil	3	Full Time
03	M.Sc. Physics	English	2	Full Time
04	M.Phil. Physics	English	1	Full Time
05	Ph.D. Physics	English	3 (PG qualification) 2 (PG with M. Phil.)	Full Time
06	Ph.D. Physics	English	4 (PG qualification) 3 (PG with M. Phil.)	Part Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/semester/choice based credit system (programme wise):

Semester System with Choice Based Credit System (CBCS)

5. Participation of the department in the courses offered by other departments:

Sl. No.	Papers	Department	Course
1	Allied Physics	Chemistry	B.Sc. Chemistry
2	Domestic Electric Appliance	Chemistry	B.Sc. Chemistry
3	Bio Physics	Zoology	B.Sc. Zoology
4	Allied Physics	Mathematics	B.Sc. Mathematics
5	Applied Physics	Computer Science	B.Sc. Computer Science

6. Number of teaching posts sanctioned and filled

In Government Colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors and Professors.

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	17(16+1)	06	10	01	Nil

## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	Experience (yrs)	No of Ph.D. students guided for the last 4 years
01	Mr. S. Ramesh	M. Sc., M. Phil.,	Asso. Prof.	Electronics	32	
02	Mrs. A. S. Gladys	M. Sc., PGDCA	Asso. Prof. & HOD	Electronics	32	
03	Dr. A. Thiruvalluvar	M.Sc., M.Phil., Ph.D., PGDCA, MRSC,	Asso. Prof.	X-ray Crystallography	30	04 Guided
04	Dr. S. Gopalan	M. Sc., M. Phil., Ph. D.,	Asso. Prof.	Polymer Physics	29	
05	Dr. T. Arivudai Nambi	M.Sc., M.Phil., B.Ed., Ph.D., PGDCA.,	Asso. Prof.	Ultrasonics	27	03 (Guiding)
06	Mr. S. Dhandapani	M.Sc., M. Phil.,	Asso. Prof.	Ultrasonics	27	
07	Dr. S. Sakthivel	M. Sc., M. Phil., Ph. D.,	Asst. Prof.	Thinfilm & Nano Physics	19	08 (Guiding)
08	Mrs. S. Anjali	M.Sc., M.Phil., PGDCA	Asst. Prof.	Thinfilm Physics	15	
09	Mrs. S. Rosepriya	M. Sc., M. Phil.,	Asst. Prof.	X-ray Crystallography	14	
11	Miss. S. Senthilkumari	M. Sc., M. Phil.,	Asst. Prof.	Crystal Growth	10	
10	Mrs. B. Shanmugapriya	M. Sc., M. Phil., PGDCA.,	Asst. Prof.	Non-Linear Dynamics	11	
12	Dr. S. Veera Rethinamurugan	M. Sc., Ph. D., MISTE	Asst. Prof.	Polymer Physics	16	
13	Dr. L. Chinnappa	M. Sc., M. Phil., M. Ed., PGDCA, Ph. D.,	Asst. Prof.	Thinfilm Physics	15	
14	Dr. T. Ganesh	M. Sc., M. Phil., Ph. D.,	Asst. Prof.	Dielectric Materials	14	04 (Guiding)
15	Mr. N. Chidambaram	M. Sc., M. Phil., SLET	Asst. Prof.	Thinfilm & Nanomaterials	14	
16	Mr. D. Anbuselvan	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Nano Materials	12	
17	Mrs. P. Chitradevi	M. Sc., M. Phil.,	Guest Lecturer	Crystal Growth	14	

8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 5%

9. Programme wise Student -Teacher Ratio (programme wise):

Sl. No	Programme	Student Teacher Ratio
1	B. Sc. Physics	10:1
2	M. Sc. Physics	6:1
3	M. Phil. Physics	2:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	04+01	04+01

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency & Amount	Title
Dr. L. Chinnappa 2011-2013	UGC 1,71,000	Deposition and characterization fluorine and antimony doped SnO <sub>2</sub>
Dr. L. Chinnappa 2012-2014	TANSCH 1,00,000	Cost effective solar cell materials preparation by simple chemical route
Dr. S. Sakthivel Major Research Project 2012-2015	UGC- 12.92 lakhs	Preparation, Fabrication and Characterization of Solar Cell by Thin film and Nanotechnology
Ms. S. Senthilkumari Minor Research Project 2015-2017	UGC 03.05 lakhs	Synthesis, Growth and Characterization of 4-hydroxy-3-Methoxy Benzaldehyde Single Crystal

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

13. Research Centre / facility recognized by the University

Physics Department has been a Research centre Recognized by the Bharathidasan University, Tiruchirappalli.

14. Publications:

Details	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Papers published in reviewed journals	20	20	29	31	43
Chapters in Books	-	-	-	01	-
Number listed in international db	-	-	-	-	-
SCOPUS	17	10	14	07	08
Web of Science	-	-	-	-	-
EBSCO	-	-	-	-	-
Citation index – range / average	-	-	-	-	-

Impact Factor – range / average	1-3	1-3	1-3	1-3	1-3
h-index	-	-	-	-	-
<b>Faculty Name</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>2013-2014</b>	<b>2014-2015</b>
Dr. A. Thiruvalluvar	17	09	09	05	04
Dr. T. Arivudai Nambi	-	01	-	-	-
Dr. S. Sakthivel	03	04	15	18	35
Mrs. S. Anjali	-	-	01	-	-
Ms. S. Rosepriya	-	04	01	02	-
Ms. S. Senthilkumari	-	-	-	01	-
Dr. S. Veera Rethinamurugan	-	-	-	-	01
Dr. L. Chinnappa	-	02	01	01	01
Dr. T. Ganesh	-	-	-	02	02
Mr.D.Anbuselvan	-	-	02	02	-

15. Details of patent and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies

<b>Staff Attended</b>	<b>Programme and Date</b>	<b>University</b>
Dr.S.Sakthivel	Refresher course on Nanoscience and Technology 09-22.11.2011	Calicut University Calicut
	Refresher course on Information Communication Technology 10-30.06.2014	Burdhwan University
	Refresher on Thinfilm Physics and Nanotechnology 04-18.05.2015	Tripura University Agarrthala
	Faculty Development Programme 01-02.11.2014	Bharathidasan University
	(MHRD's 1000 teachers Programme on Solar cell Energy 17-28.07.2012	NIT, Trichirappalli,
Ms. S. Anjali	Refresher course on Physics 01-21.02.2014	Bharathidasan University
Ms. S. Rosepriya	Refresher course on Physics 01-21.02.2014	Bharathidasan University
Ms.S. Senthilkumari	Refresher course on Environmental Science 10-30.11.2010	Bharathidasan University Trichirappalli
	Refresher course on Physics 06-26.11. 2014	Bharathidasan University

Ms.B. Shanmugapriya	Refresher course on Physics 06-26.11. 2014	Bharathidasan University, Trichirappalli
Dr.S.Veera Rethinamurugan	Refresher course on Physics 20.11.2012-10.12.2012	Bharathidasan University
	Quality Research Report Writing 28.02.2014	Bharathidasan University
Dr. L. Chinnappa	Refresher course on Physics 20.11.2012-10.12.2012	Bharathidasan University
Dr. T. Ganesh	Refresher course on Physics 20.11.2012-10.12.2012	Bharathidasan University
	Quality Research Report Writing 28.02.2014	Bharathidasan University
Mr.N. Chidambaram	Refresher course on Geosciences 28.01.2013-17.02.2013	Bharathidasan University
Mr.D. Anbuselvan	Refresher Course on physics 08-28.09.2011	University of Madras

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Sl. No.	Name of Faculty	Particulars
01	Dr. A. Thiruvalluvar	<ul style="list-style-type: none"> <li>• Reviewer - J. of Crystallography</li> <li>• Reviewer - Chemical Science Review and Letters</li> <li>• Reviewer - Global Journal of Chemistry</li> <li>• Reviewer - Journal of Advances in Chemistry</li> </ul>
02	Dr. S. Sakthivel	<ul style="list-style-type: none"> <li>• Editorial Board Member - NANO VISION</li> <li>• Editorial Board Member - Journal of Physics and Industrial Physics (JPAP)</li> <li>• Reviewer - Physical Science Research International- UK</li> <li>• Reviewer - Material Research -Brazil</li> </ul>
03	Dr. T. Ganesh	<ul style="list-style-type: none"> <li>• Reviewer- Material Chemistry and Physics Elsevier-Amsterdam</li> </ul>

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 98

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: 02

## 20. Awards / Recognitions received by faculty and students

Sl. No.	Award Details
01	<b>Dr. A. Thiruvalluvar</b>
	National Citizenship Gold Medal Award 2014
	Indhiragandhi Sadbavna Gold Medal Award 2014
	Bharath Gourav Award 2015
02	<b>Dr. T. Arivudai Nambi</b>
	National Citizenship Gold Medal Award 2014
	Indhiragandhi Sadbavna Gold Medal Award 2014
	Bharath Gourav Award 2015

## 21. Seminars (S)/ Conferences (C)/Workshops (W) organized &amp; the source of funding

2010-2011		
Level	Funding Agency	Title of Seminar/Conference/Workshop
State	UGC	Workshop on Thin film and Nanomaterials, 15, Feb 2011
State	UGC	Seminar on Thin Films and Carbon Nanostructures (TFCNS 2011)- 26.02.2011
2011-2012		
State	UGC	Workshop on Thin film Physics and Carbon Nano Materials, 11.03.2012.
2012-2013		
State	UGC	Recent Trends in Physics Research-A new Perspective , 09.03.2012
2013-2014		
State	UGC	Recent Trends in Nanomaterials Science 27.02.2014
National	UGC	First National Conference on Thin film Science & Nanotechnology, 02-03.11.2013
2014-2015		
National	UGC	Second National Conference on Thin film Science & Nanotechnology, March-02-03,2015

## 22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	52	24	76	13	18	31	02	13	15	03	00	03
2011-2012	29	28	57	06	18	24	06	12	18	03	03	06
2012-2013	36	21	57	05	19	24	05	12	17	01	01	02
2013-2014	49	26	75	02	27	29	08	11	19	02	01	00
2014-2015	47	38	85	05	20	25	9	10	19	02	00	02

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	No of students Cleared						
	NET	SLET	GATE	TET	Defense Services	Civil Services	Others (specify)
2010-2011	01	-	-	-	-	-	-
2011-2012	-	04	-	01	-	-	02 Bank
2012-2013	-	-	-	03	-	-	03 Bank
2013-2014	-	-	-	04	-	-	01-Police Department, 01-TRB

## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
UG to PG	-	01	-	02	06**
PG to M. Phil.	04	04	05	05	04**
PG to Ph.D.		01	-	-	-
Ph.D. to Post Doctoral	-	-	-	-	-
Employed Govt. Private • Campus selection • Other than campus recruitment Entrepreneurship/Self-employment		04	03 **	01 05	

\*\* feedback received from the students - Based on the feedback we started solar cell fabrication technology training to top five UG(E/T), PG (first and second year) and M.Phil., students (total number of students got benefited = 25)

## 26. Diversity of staff

Percentage of faculty who are post - graduates	
Of the same parent university	70
From other universities within the states	30
From other universities from other states	00



27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period

1. Dr. S. Gopalan -Ph.D. 2012
2. Dr. T. ArivudaiNambi -Ph.D. 2012
3. Dr. L. Chinnappa -Ph.D. 2014

28. Present details of Infrastructural facilities

a) Library

Department library with reading table with various journals, and books is actively functioning. Text and reference Books are properly maintained.

Sl. No.	Types of Books	Number of Books
02	COSIP	027
02	Prescribed books	543
03	General books	684
04	Department Book Bank	549
05	Book Bank (Tamil Nadu)	270
06	Bharathidasan University Book Bank	123
07	Total	2196

**Journals: 05**

1. Nano Vision ISSN : 2231-2579  
(An International Journal of Nano Science and Technology)
2. Journal of Pure applied and Industrial Physics ISSN: 2229-7596  
(An International Research Journal)
3. Journal of Chemistry and Chemical Sciences ISSN : 2319-7625  
(An International Research Journal)
4. Journal of Computer and Mathematical Sciences ISSN : 0976-5727  
(An International Research Journal)
5. PRAMANA- Journal of Physics ISSN:0973-7111

b) Internet facilities for Staff & Students

Internet with Wi-Fi availability is 50 m around the department. Students are using internet facility after 1' O clock. One hour each allotted for UG, PG and M.Phil., and Ph.D. scholars respectively. In addition to that our department students are utilizing digital library till 6 pm. Students are utilizing UGC – INFLIBNET for downloading open access journals and recent books at free of cost.

Government of Tamil Nadu providing free Lap-Top for UG and PG students.

c) Total number of class rooms: 09

d) Class rooms with Information and Communication Technology (ICT) facility

A class room fitted with an LCD projector. It is used for power point presentations, placement training (ability test, numerical test etc), Virtual experiment presentation, open M. Phil. *viva-voce* presentation, Ph.D. public viva-voce presentation and live video lecture etc.

e) Student Laboratories

For academic development four laboratories are functioning.

Lab -I : Allied subjects

Lab - II : UG Major Physics

Lab- III : PG Major Physics

Lab - IV : Computer Programming

f) Research Laboratories

For research activities five laboratories are available:

- Ultrasonics Production and Testing for Ultrahigh Cleaning Applications
- Crystal growth (Faraday Research Lab)
- Microwave and Dielectrics Lab
- Thin film Physics for Large Area Spray Pyrolysed Coating
- Thin film Physics and Nanotechnology for Solar cell Fabrication

29. Number of students receiving financial assistance from college, university, government or other agencies

#### Government Financial Assistance (Scholarship)

Year	No of Students					
	UG			PG		
	M	F	T	M	F	T
2010-2011	24(SC) 28(BC)	10(SC) 14(BC)	76	05(SC) 07(BC) 01(ST)	03(SC) 15(BC)	31
2011-2012	18(SC) 01(ST) 10(BC)	10(SC) 18(BC)	57	01(SC) 05(BC)	07(SC) 11(BC)	24
2012-2013	13(SC) 23(BC)	06(SC) 15(BC)	57	00(SC) 05(BC)	07(SC) 12(BC)	24
2013-2014	17(SC) 32(BC)	09(SC) 17(BC)	75	01(SC) 01(BC)	07(SC) 20(BC)	29
2014-2015	22(SC) 25(BC)	16(SC) 22(BC)	85	03(SC) 03(BC)	06(SC) 14(BC)	26

**30. Merit Scholarships:**

Name	Agency	Period	Principal Investigator
Mr .V.Baskaran (UGC Research Fellow)	UGC	2012-2015	Dr. S. Sakthivel
Mr. N. Swaminathan	TANSCH	2012-2013	Dr. L. Chinnappa
K. Dhamayanthi	TANSCH	2013-2014	Dr. T.Arivudainambi

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Solar cell fabrication and testing programme for UG, PG, M.Phil and Ph.D. students – Sponsored by IIT-B, MHRD, NCPRE, MNRE
- Robotic training programme for final year UG students. Fourty five students benefited by this programme. Sponsored by Electronics Corporation of India Limited ECIL - Electronics Corporation of Information Technology (ECIT).

31. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes the faculty compared the curriculum with the premier institutions of higher learning and gave their opinion on curriculum.

Their feedback was discussed in board of studies meeting and points relevant to enrichment of curriculum and syllabus have been incorporated in the revision and enrichment of curriculum and syllabus:

The following papers in emerging areas are included in the curriculum.

- Thin Film Physics
- Nano Physics
- Crystal Growth
- Ultrasonics
- Nano-materials
- Crystallography
- Non-linear optics

The newly added papers on Thin Film Physics and Nano Physics are included with the aim to enhancing problem solving skills of the students, to face competitive examination and chances for higher studies and research.

### Teaching-Learning-Evaluation

- Core Knowledge of the students is evaluated by conducting preliminary subject test, Group discussion and Technical interview for identifying the strength and weaknesses of the students. Based on the evaluation, students are permitted to participate in study abroad programme, skill development programme and training programmes.
- Periodical tests are conducted for assessing their learning outcomes and their performance in CIA.
- Students who fail to understand the lessons and fail in the tests and examinations are helped with study materials and remedial classes.
- ICT facilities are used for teaching.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Initially the Department introduced the Thin Film paper in the first semester for the PG students. Based on the feedback from the students, this paper is included in the third semester.

Communicating learning materials through e-mail to all the staff members and students.

65% of NET topics are included in PG syllabus.

Special coaching classes for TET, SLET and NET are conducted

c) Alumni and employers on the programmes and what is the response of the department to the same?

Accepted the suggestions made by them to make the syllabus application and job oriented.

32. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name of the Alumni	Position	Place
01	Dr. T. S. Natarajan	Professor	IIT M, Chennai
02	Dr. S. Srinivasan	Sr. Scientist	IGCAR, Kalpakkam
03	Dr. N. Ramachandran	Child Specialist	Cuddalore
04	Ms. Umarani	JDP	Department of Higher Education
05	Dr. T. Arivudainambi	Asso. Prof	RSGC, Thanjavur
06	Dr. M. Sankaran	Sr. Scientist	ISRO, Bangalore
07	Dr. T. Thayumanavan	Professor	IIT M, Chennai/ AVVM, Thanjavur
08	Prof. C. Shanmugam	Professor	Periyar Maniammai University
09	Ms.J.D.Vijila	Asso. Professor	Rani Anna Government College for Women, Tirunelveli

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts

**National Conference/Seminar**

Name and Address of the Resource Person	Programme
Prof.K.Ramamurthy Professor, School of Physics Bharthidasan University, Tiruchirapalli  Dr.S.Jeganathan Associate Professor of Physics Bharthidasan University, Tiruchirapalli	Seminar on Thin Films and Carbon Nanostructures (TFCNS 2011) 26 <sup>th</sup> February 2011
Dr.P.Philominathan Head and Associate professor of physics AVVM Sri Pushpam College, Poondi  Dr.S.Jegajothi Head and Department of IT Periyar Maniammai University,Vallam  Dr.P.Thilagan Centre for Green Energy Technology Pondicherry University, Pondicherry	Recent Trends in Physics Research-A new Perspective 9 <sup>th</sup> March 2012
Dr. Jacop Philips Department of Instrumentation CUSAT, Cochin,	First National Conference on Thin film Physics and Nanotechnology September 2-3, 2013
Dr. Vadivel Murugan Department of Physics Pondichery University, Pondichery	
Dr. Gopalakrishnan Department of Physics Anna University, Chennai	
Dr. V. Annamalai Chikkanna Govt. Arts College Tirupur, Tamilnadu	
Dr. A. Mohankumar Department of Zoology Chikkanna Govt. Arts College, Thiruppur	
Dr. D. Saravanan Department of Chemistry National College, Thiruchirapalli	
Dr. R. Arun Kumar IICPT, Thanjavur Tamilnadu	
Dr.P.Thilagan Centre for Green Energy Technology Pondicherry University, Pondicherry  Dr.K.Raghu Assistant Professor of Physics Annamalai University, Chidambaram  Prof.C.Shanmugam Department of Nanotechnology Periyar Maniammai University Vallam	Recent Trends in Nanomaterials Science 27 <sup>th</sup> February 2014

Prof. Dr. K. Singaravadivel Director, IICPT, Thanjavur	Second National Conference on Thin film Physics and Nanotechnology March 2-3, 2015
Prof. Dr. K. Ramamurthy Professor and Head (Physics), SRM University, Chennai	
Dr. Ashis Rawson, IICPT, Thanjavur	
Dr. R. Arun Kumar Scientist, CFTRI, Mysuru	
Dr. S. Karthikeyan Chikkanna Govt. Arts College, Tirupur, Tamilnadu	
Dr. V. Annamalai Chikkanna Govt. Arts College Tirupur, Tamilnadu	
Dr. H. B. Ramalingam Govt. Arts College, Udumalaipettai	
Workshop	
Dr. V. Chandramohan Department of Physics Sevugam Annamalai College, Devakkottai	Workshop on Nano and Thin Film Materials – 2012 (WONATFM:12) October 28,2012
Dr. R. Vijayan Department of Physics, Sevugam Annamalai College, Devakkottai	

### Physics Association Function:

Name of the Resource Person	Date
Dr.V.Balasubramaniam Prof & Head Department of Mathematics, Gandhigram Rural University	December 3, 2008
Dr.Jamal Mohamed Jaffer	17 <sup>th</sup> August 2011
Dr.Patrick Prabhu	9 <sup>th</sup> March 2012
Dr.A.Thiruvalluvar	27 <sup>th</sup> March, 2013
Dr.T.Ganesh	12 <sup>th</sup> Feb,2014
Dr.V.Muthukumaran	March 5, 2015

34. List the teaching methods adopted by the faculty for different programmes

Physics faculty are using different innovative practices and techniques for the benefit of students

- Virtual Laboratory
- Over Head Projector
- Multimedia Projector

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The realization of program objectives is assessed from the progress of our students in higher studies, research and employment. Many of our alumni have been employed in industry, civil administration, and research institutions whose progress testifies to the realization of the objectives of the programmes offered by the department.

The achievement of learning outcomes is monitored by:

- Continuous Assessment carried out by conducting
- Class tests
- Unit tests
- Mid-term tests
- Model Examination and
- End semester examination

36. Highlight the participation of students and faculty in extension activities

Name of the Students/ Faculty	Programme	Date and Year
Mr. V. Manikandan	State level Sports meet, Chennai 100 meter (Participated)	January 6, 2015
Mr. R. Karthikeyan	Karate regional level, Rotary Club Thanjavur (Third Place)	October 18, 2013
Mr. M. Murugesan	Weightlifting Champion meet CIT, Coimbatore (Second Place)	September 8, 2012
Dr. S. Sakthivel	Entrepreneur Cell	EAC, September 10, 2014
Dr. S. Sakthivel	Entrepreneur Cell	EDC, April 14, 2015
Mrs. S. Rosepriya	NSS Coordinator	Campus Clean Sep 23, 2014 Campus Clean , Feb 3, 2015
Miss. S. Senthilkumari	Sports Committee Member	Sports meet April 7, 2015

38. State whether the programme/ department is accredited/ graded by other agencies. Give details: Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### Strengths

- Qualified faculty
- Teaching and Research
- Competitive exam oriented syllabus
- University -Industry Interactive syllabus

**Weakness**

- Inadequate infrastructure
- Poor Communication skill for students

**Opportunities**

- Higher Studies and Research
- Job oriented Training Programme
- Entrepreneur Skill Development
- Personality Development
- Developing Social Responsibility

**Challenges**

- Financially weak students
- Students from rural background
- Making technically strong students with available facility
- First generation students

**40. Future plans of the department:**

- Adopting one student/year/staff making the students
- Till completing his M. Phil/Ph. D/PDF or get a job or start a small scale industry
- Lifelong learning system
- Starting "Solar Energy Centre" in Physics Department
- Department Instrumentation Centre



### PG & RESEARCH DEPARTMENT OF CHEMISTRY

1. Name of the department and its year of establishment:

**PG & Research Department of CHEMISTRY & July 1961**

2. Names of Programmes/Courses

S.No.	Name of the Course	Medium	Duration in Years	PT/FT
1	B. Sc. Chemistry	Tamil	3	Full Time
2	B. Sc. Chemistry	English	3	Full Time
3	M. Sc. Chemistry- Section A	English	2	Full Time
4	M. Sc. Chemistry Section B	English	2	Full Time
5	M. Phil. Chemistry	English	1	Full Time
6	Ph. D. Chemistry	English	2 (PG with M. Phil.) 3 (with M. Sc.)	Full Time
7	Ph. D. Chemistry	English	3 (PG with M. Phil.) 4 (with M. Sc.)	Part Time

3. Names of Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments:

Sl. No	Departments	Course	Subjects Offered
1	Physics	B. Sc. Physics	Allied Chemistry (2 Theory & 01 Practical Paper)
2	Mathematics	B. Sc. Mathematics	Allied Chemistry (2 Theory & 01 Practical Paper)
3	Biochemistry	B. Sc. Biochemistry	Allied Chemistry (2 Theory & 01 Practical Paper)
4	Zoology	B. Sc. Zoology	Allied Chemistry (2 Theory & 01 Practical Paper)
5	Zoology	B. Sc. Zoology	Agricultural Chemistry
6	Mathematics	B. Sc. Mathematics	Chemistry in Everyday Life (2010-2013)
7	All UG (except Tamil)	B.A./B.Sc./B.Com./ BBA	Gender Studies
8	Mathematics	B. Sc. Mathematics	Industrial Chemistry

6. Number of Teaching posts sanctioned and filled

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors and Professors.

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
	25	02	19	04	--

## 07. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt./Ph.D. /M.Phil., etc.,)

S.No.	Name	Qualification	Designation	Specialization	Experience (yrs)	No of Ph.D. students guided for the last 4 years
01	Mr. B.Liyahath Alikhan	M.Sc., M.Ed., M. Phil.,	Asso Professor	Chemistry	31	--
02	Mr. S.P.Elangovan	M. Sc., M. Phil.,	Asso Professor	Industrial Chemistry	16	--
03	Mr. I. Gnanasundaram	M. Sc., M. Phil., M.Ed., MCA., BAL.,	Asst. Professor	Industrial Chemistry	14	--
04	Mr. K. Rajarajan	M.Sc., M. Phil.,	Asst. Professor	Applied Chemistry	17	--
05	Dr. N. Ingarsal	M. Sc., M. Phil., B. Ed., Ph. D,	Asst. Professor	Organic Chemistry	7	--
06	Dr. M. Vellaisamy	M. Sc., M. Phil., M.Ed., Ph.D.,	Asst. Professor	Physical Chemistry	11	--
07	Ms. N. Punitha	M. Sc., M. Phil.,	Asst. Professor	Inorganic Chemistry	10	--
08	Ms. M. Anitha	M. Sc., M. Phil.,	Asst. Professor	Chemistry	10	--
09	Ms. P. Sangeetha	M. Sc., M. Phil.,	Asst. Professor	Inorganic Chemistry	10	--
10	Ms. M. Mangalam	M. Sc., M. Phil.,	Asst. Professor	Organic Chemistry	10	--
11	Ms. N. Vidhyulatha	M. Sc., M. Phil.,	Asst. Professor	Industrial Chemistry	10	--
12	Ms. K. Vijayalakshmi	M. Sc., M. Phil., B.Ed., SET,	Asst. Professor	Organic Chemistry	7	--
13	Mr. R. Chithiravel	M. Sc., M. Phil., SLET,	Asst. Professor	Organic Chemistry	16	--
14	Ms. G. Manimegalai	M. Sc., M. Phil.,	Asst. Professor	Industrial Chemistry	14	--

15	Dr. C. Kathiravan	M.Sc., M. Phil., Ph.D.,	Asst. Professor	Inorganic Chemistry	12	-
16	Dr. M.Ravishankar	M. Sc., Ph. D.,	Asst. Professor	Physical Chemistry	24	1
17	Mr. R. Radhakrishnan	M. Sc., M. Phil., SLST	Asst. Professor	Medicinal Chemistry	26	--
18	Dr. D. Ilangeswaran	M. Sc., M. Phil., Ph.D.,	Asst. Professor	Industrial Chemistry	15	--
19	Mr. R. Balaji	M. Sc., M. Phil., B.Ed.,	Asst. Professor	Industrial Chemistry	14	--
20	Dr. T. Rajkumar	M. Sc., M. Phil., Ph.D.	Asst. Professor	Polymer Chemistry	14	--
21	Mr. K. Babu	M. Sc., M. Phil., CSIR- JRF-NET	Asst. Professor	Organic Chemistry	5	--
22	Ms. P. Renuka	M. Sc., M. Phil.,	Guest Lecturer	Inorganic Chemistry	9	--
23	Ms. G. Vijayalakshmi	M. Sc., M. Phil.,	Guest Lecturer	Inorganic Chemistry	10	--
24	Ms. G. Kavitha	M. Sc., M. Phil., B. Ed.	Guest Lecturer	Physical Chemistry	5	--
25	Ms. M. Sharmila	M. Sc., M. Phil., B. Ed.,	Guest Lecturer	Physical Chemistry	3	--

8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sl. No.	Name of the Course	Medium	Lecture	practical
01	B. Sc. Chemistry	Tamil	16	16
02	B. Sc. Chemistry	English	16	16

9. Student -Teacher Ratio (programme wise):

Sl. No.	Course	Student Teacher Ratio
01	B. Sc. Chemistry	14:1
02	M. Sc. Chemistry	8.9:1
03	M. Phil. Chemistry	1.5:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	04	04
02	Administrative Staff	Nil	Nil

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency & Amount	Title
Mr. R. Chithiravel (2013-2014)	UGC-Minor 4,40,000	A New Greener Protocol for the synthesis of Tetrasubstituted 5-((5-Aminothiophene-2-yl)Methyl) Thiophene-2-Amine by the Gewald Reaction in Solvent free Conditions.

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received. Nil

13. Research Centre/facility recognized by the University.

This Department has been a Research centre Recognized by the Bharathidasan University since July -2012.

**Bharathidasan University Ref. No.000032/D9/2012; Date: 03.07.2012**

14. Publications:

Year/Publications	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of papers published in peer reviewed journals (national/ international)	05	07	14	12	13
Chapters in Books	-	-	-	-	-
Number listed in international db	-	-	-	-	-
SCOPUS	-	-	-	-	-
Web of Science	-	-	-	-	-
EBSCO	-	-	-	-	-
Citation index - range / average	-	-	-	-	-
Impact Factor - range / average	-	-	-	-	-
h-index	-	-	-	-	-

SL. No.	Name	2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		Total
		J	B	J	B	J	B	J	B	J	B	
1	Mr.K.Rajarajan	-	-	3	-	3	-	-	-	2	-	8
2	Dr.N.Ingarsal	-	-	1	-	1	-	-	-	1	-	3
3	Dr.M.Vellaisamy	2	-	2	-	3	-	1	-	2	-	10
4	Mr.R.Chithiravel	-	-	-	-	-	-	2	-	-	-	2
5	Dr.M.Ravishankar	-	-	-	-	3	-	-	-	-	-	3
6	Dr.D.Ilangeswaran	1	-	-	-	1	-	-	-	1	-	3
7	Mr. R.Balaji	-	-	-	-	-	-	1	-	1	-	2
8	Dr. T.Rajkumar	2	-	1	-	-	-	1	-	-	-	4
9	Mr. K.Babu	-	-	-	-	3	-	7	-	3	-	13
10	Ms. G.Manimegalai	-	-	-	-	-	-	-	-	2	-	2
11	Ms.P.Sangeetha	-	-	-	-	-	-	-	-	1	-	1
TOTAL		5	-	7	-	14	-	12	-	13	-	51

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty Recharge strategies:

The staff members of this department recharge themselves by attending refresher courses, orientation programs offered by Academic Staff Colleges of various universities. They also constantly enrich their knowledge by actively participating in seminars, workshops, conferences, etc., of various institutions and organizations.

Sl. No.	Year	Refresher Course- & Faculty Attended
01	2010-2011	1) Mr. S.P.Elangovan 2) Mr. I.Gnanasundaram 3) Ms. N. Punitha 4) Ms. P.Sangeetha
02	2011-2012	1) Mr. K.Rajarajan 2) Dr. M.Vellaisamy 3) Ms. N.Vidhyulatha 4) Ms. K.Vijayalakshmi 5) Ms. G.Manimegalai
03	2012-2013	1) Ms. M.Anitha 2) Ms. M.Mangalam 3) Dr. M.Ravishankar 4) Dr. D.Ilangeswaran
04	2013-2014	1) Dr. N.Ingarsal 2) Mr. R.Chithiravel 3) Dr. C.Kathiravan
05	2014-2015	1) Ms. P.Sangeetha 2) Ms. G.Manimegalai 3) Dr. T.Rajkumar 4) Mr. K. Babu

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards.

Sl. No.	Name of the faculty	Particulars
01	Mr. R.Radhakrishnan	Indian Society for Technical Education New Delhi- Life member
02	Dr. D. Ilangeswaran	Reviewer-Journal of Molecular Structure
03	Mr. R. Balaji	International Society of Fluoride Research – Member
04	Dr. T. Rajkumar	Reviewer in a) Polymers for Advanced Technologies b) Polymer Composite c) Journal of Thermal Analysis and Colorimetry, d) High Performance Polymers e) Indian Society for Technical Education (ISTE)-New Delhi- Life member

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

#### M.Sc. Students

S. No.	Year	Total No. of Students	No. of Students done in house projects	Percentage
1	2011	41	41	100
2	2012	48	48	100
3	2013	49	49	100
4	2014	48	48	100

#### Students Mini Projects

S. No	Name of the Students	Title	Amount & Agency
1	S. Velmurugan 2012-2013 SI:R. Chithiravel	A Solvent Free Greener Approach Sustainable Development Method; Synthesis of 1,5-Diketones by Michael Addition Reaction Using Grinding Technique	Rs. 15000 /- TANSCH- Chennai
2	S. Pavendhan 2012-2013 SI:R. Chithiravel	An eco-friendly improved synthesis of some novel chalcones and pyrazolines under microwave techniques.	Rs. 15000 /- TANSCH- Chennai
3	S. Masilmani 2014-2015 SI:R. Chithiravel	Synthesis of 6-amino-2-methyl-7-nitro-8-aryl-1,2,3,4-tetrahydroquinoline-5-carbonitrile- greener grinding technique.	Rs. 15000 /- TANSCH- Chennai

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: Nil

## 20. Awards/Recognitions received by faculty and students

**University Rank Holders Awards - Students**

Sl.No.	Academic Year	Course	Name	University Rank
01	2012-13	B. Sc.	R. Saritha (10CT0709)	10
02	2013-14	B. Sc.	P. Ajith (11CE0815)	7
03	2010-11	M. Sc.	R. Jagadeesan (09PCH2211)	2
04	2012-13	M. Sc.	A. Rakini (11PCH2213)	16
05	2013-14	M. Sc.	S. Sathiya (12PCH2320)	9

## 21. Seminars (S)/ Conferences (C)/Workshops (W) organized &amp; the source of funding

2007-2008		
Level	Funding Agency	Title of Seminar/Conference/Workshop
State	UGC	Green Chemistry and Hydrothermal Analysis-14 <sup>th</sup> Mar.2008
2010-2011		
National	UGC	NMR Application and Energy Materials Feb. 21. 2011
2011-2012		
National	UGC & TNSCST	Resent Trends in Polymer and Green Chemistry. Feb. 2 & 3. 2012
2013-2014		
National	UGC	Manufacturing techniques in house cleaning and refreshing materials. 04.03.2014

## 22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	45	26	71	21	27	48	03	12	15	-	-	-
2011-2012	47	28	75	15	34	49	07	15	22	-	01	01
2012-2013	47	33	80	21	27	48	04	11	15	02	01	03
2013-2014	49	25	74	16	34	50	04	06	10	03	01	04
2014-2015	48	35	83	23	23	46	03	12	15	02	02	04

## 3. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	No of students Cleared							
	NET	SLET	GATE	TRB	TET	Defense services	Civil services	Others (specify)
2010-11				01			01	
2011-12				03			01	
2012-13	02		01		01			01-Librarian
2013-14								

25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	02	27	22	06
PG to M. Phil.	10	06	04	03
PG to Ph.D.	02	01	-	-
Ph.D. to Post Doctoral	-	-	-	-
Employed Govt. Private • Campus selection • Other than campus recruitment Entrepreneurship/Self-employment	02	04	03	-
	-	03	01	-

26. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	16
From other universities within the states	84
From other universities from other states	00

27. Number of faculty who were awarded Ph.D., D. Sc. and D. Lit. during the assessment period

Sl. No.	Year	Name of The Faculty	Awards/ Recognition
01	May 2013	D. Ilangeswaran	Ph. D.
02	December 2014	M. Vellaisamy	Ph. D.

28. Present details about Infrastructural facilities

a) Library

#### BOOKS

Text Books	1149
Book Bank	479
Bharathidasan University Book Bank (BUBB)	67
COSIP	136
General Books	1860
Total	3691



## JOURNALS

Sl.No.	Name of the Journals	Volumes
01	Indian journal of chemistry	183
02	Journal of Indian Chemical Society	39
03	Chemical Science	126
04	Current Science	09
05	Asian Journal of Chemistry	05
06	Chemical Science Transaction	11
07	E.Journal of Chemistry	17
	Total Volumes	390

### b) Internet facilities for Staff & Students

The department is provided with internet connection with wi-fi facility that is made available to the staff and students. Separate hour allotment is made for UG, PG and M.Phil., students. Research Scholars both fulltime and part time are allowed to make use of the internet facilities as and when they are in need of. UGC-INFLIBNET can be accessed from the department and the digital library.

### c) Total number of class rooms: 08

### d) Class rooms with ICT facility: 01

### e) Student's Laboratories: 04

- UG Organic and Inorganic Lab
- UG Allied Lab
- PG Organic and Inorganic Lab
- UG and PG Physical Chemistry Lab

### f) Research Laboratories: 03

- Synthetic Research Lab
- Kinetics Research Lab
- General Research Lab

29. Number of students receiving financial assistance from college, university, government or other agencies

### University Grants Commission

Mr.K.Ramalingam was selected for the post-graduate merit scholarship for university rank holder for the academic year 2011-2013.

**Government**

Year	SC/ST		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	87	22	68	41	57	23	298
2011-12	90	24	74	44	55	27	314
2012-13	99	29	69	39	55	29	320
2013-14	92	35	73	40	60	23	323
2014-15	95	38	73	39	65	19	329

**Tamil Medium Fund**

Year	No of students availed
2010-11	118
2011-12	122
2012-13	126
2013-14	126
2014-15	124

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Not applicable

31. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Faculty is at liberty to give their feedback on the curriculum as well as teaching-learning-evaluation in writing to the chairman, Board of studies. The feedback is discussed in the Board of Studies convened periodically in the department along with subject experts, alumni and all faculty members of the department. The changes accepted by the Board of studies are implemented in the subsequent years.

Based on the feedback from the faculty Group discussion, Quiz hours and Model experiments in addition to assignments, model examinations and seminars are conducted for the students.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- We obtained feedback from students on staff, curriculum as well as teaching-learning-evaluation.
- Based on the students' feedback, staffs are advised to improve their performance on the parameters where the students pointed out the weakness.

- Based on the students' feedback, the concerned staff members are advised to supply the study materials to students.
- Based on the students' feedback, video lectures, animated power point presentations are shown to students in order to make the difficult concepts understandable.
- Based on the students' feedback, some changes were made in the curriculum during board of studies meetings.

c) Alumni and employers on the programmes and what is the response of the department to the same?

Alumni of the department are frequently engaged in conducting special lectures or invited talks to the students in the department association meeting. A career guidance cell functions in the college to identify potential employers for the under graduates and post graduates and frequent campus interviews are arranged in the college to make our students employable in leading industries and institutions.

32. List the distinguished alumni of the department

Sl. No.	Name of the Alumni	Present Position
01	Dr. G. Govindarajan	Pro Chancellor, PRIST University, Thanjavur
02	Dr. J. Mathiyarasu	Scientist, CECRI, Karaikudi
03	Dr. J. Swaminathan	Asst. Professor, A.V.C.Engg. College, Mayiladuthurai
04	Mr. N. Rajarajachozan	General Manager, Ashok Leyland
05	Dr. Kumaran	Asst. Professor, Periyar Maniyammai University, Thanjavur
06	Dr. D. Senthilnathan	The Lise Meitner-Minerva Center for Computational Quantum Chemistry, Hebrew University, Jerusalem-91904, Israel.
07	Dr. M. Jaccob	Asst. Professor, Loyola College, Chennai
08	Dr. K. Karthikeyan	GM, (QC&QA) Shasun Chemicals, Chennai
09	Ms. C. Jayanthi,	Asst. Professor, Govt. Arts College for women, Kumbakonam
10	Ms .S. Ananthi	Asst. Professor, Govt. Arts College, Viyasarpadi, Chennai
11	Mr. S. Jagadeesan	PG. Asst., Ayyampet
12	Mr. K. Senthil	PG. Asst., Kumbakonam

33. Give details on student enrichment programs (special lectures/workshops/seminar) with external experts

S. No.	Programme Title and Date	Resource Persons
01	21.02.2011 UGC State Level Seminar NMR Application and energy materials	Dr. Kalaiselvi, Scientist, CECRI, Karaikudi Dr. P.Muthusubramanian, Professor, MK University, Madurai
02	02 & 03.02.2012 UGC & TNSCST National Seminar Recent Trends in Polymer Chemistry	Dr.M.G.Sethuraman, Professor, Gandhigram Rural Institute, Gandhigram Dr. P.Kannan, Anna University, Chennai Dr. C.Rambabu, Professor, Acharya Nagarjuna university, A.P Dr.K.Pitchumani, Professor, MK University, Madurai Dr.A.Elangovan, Associate Professor, Bharathidasan University, Thiruchirapalli Dr. S.Darlinequine, Asst. Prof. Govt. Arts College, C.Mutlur, Chidambaram
03	04.03.2014 UGC Workshop on Manufacturing techniques in house cleaning and refreshing materials	Dr. V.Thirumurugan, Asst. Prof., A.V.V.M. Sri Pushpam College, Thanjavur

34. List the teaching methods adopted by the faculty for different programmes.

- Using ICT in teaching and learning
- Lectures
- Quiz
- Video lectures of National Programme on Technology Enhanced Learning.
- Using open education resources – Internet, Google search, Wikipedia
- Discussion
- Seminar

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

By conducting class test, slip test, viva voce, midterm examination, model examination and end semester examination. The quality of teaching, learning methods was recorded year wise. The review of the results at various intervals within the department helps to improve the quality in the successive years.

Result Analysis as well as Pass Percentage ratio and the number of students selected for placement both in and off campus help the department to measure the level of achievement of program objectives. The number of students undertaking higher studies is also considered as a bench mark. Percentage of students clearing national level competitive examinations like CSIR, NET, SLET, UPSC.TNPSC etc. is also taken as the criterion to measure the success rate.. The frequent interaction of Alumni from various institutions and industries helps in monitoring the realization of course objectives.

36. Highlight the participation of students and faculty in extension activities.

#### Students

Sl. No.	Year	Name of The Students	Competition	Place
01	2014 - 2015	Y.Arokiaraj	State Level Swimming - 100 Mts Breast Stroke	I
02	2014 - 2015	Y.Arokiaraj	State Level Swimming - 4 X 50 Mts. Free Style Relay.	I
03	2014 - 2015	Y.Arokiaraj	Chief Minister Trophy - Dist. Level - 50 Mts Breast Stroke	I
04	2014 - 2015	N.Jansirani	Elocution Competition - National Voter's Day	I

Dr. D. Ilangeswaran & Prof. R. Radhakrishnan, Assistant Professors of chemistry acted as Judge in "Veetukku Oru Vignani" - program for School Students at Arasu Engineering College, Kumbakonam conducted by Puthiya Thalaimaurai T.V. Channel on 2<sup>nd</sup> week of August 2013.

Our students actively participate in NCC, NSS, RRC, YRC, and other organizations.

37. Give details of "beyond syllabus scholarly activities" of the department.

- Awareness program on the environmental impact of usage of plastics conducted by faculty members and B. Sc. Chemistry students on 02.11.2014
- M. Sc. chemistry students visited the houses of new housing unit, Thanjavur to provide personal counseling and guidance to the occupants about the eradication of *Aedes* mosquito in order to prevent from Dengue fever on 08.12.2013.
- The staff members and students conducted an awareness program to the people of Pillayairpatti village on the hazardous effect of using tobacco in any forms on 25.11.2012

38. State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### **Strength**

- Students and staff ratio
- Research programmes: M. Phil. and Ph.D.,
- Syllabus based on CSIR, UGC/NET syllabi.
- Separate laboratory facilities for UG, PG, M. Phil. and Ph.D. programmes.

#### **Weakness**

- Lack of inter disciplinary research activities.
- Lack of instruments to characterize the chemical compounds for research programme.
- Poor communication skills among students due to their rural background.
- Limited no. of computers to educate the students by making use of internet.
- No collaboration with other institutions.

#### **Opportunities**

- Availability of lab facilities. A lot of research projects are carried out for M.Sc. and M. Phil. students in the department itself.
- Literacy about internet usage among the students to know the employment opportunities.
- Skills developed from the in house project work, enable the students to work in various industries after their placement.
- Since the curriculum is compatible with the syllabus of competitive examination such as CSIR, TRB, TET, TNPSC and UPSC the students can get through these examinations.
- The students from poor families do part-time work at various organizations in and around Thanjavur, since the college offers UG and PG programmes in shift systems.

### Challenges

- Since large number of students is from rural areas they are unable to prepare themselves according to the current competitive environment.
- Preparing the mindset of the students coming from various villages to be employed anywhere outside the state after completing their degree.
- Poor family situation of the students after completing M. Sc. and enrolled in the research program such as M. Phil and Ph. D. discourage them to pursue higher studies among the students.
- Getting funds from national and international agencies.

#### 40. Future plans of the department.

- The quality of the department is to be improved as a bench mark in this region
- The employability of the students should be increased by following intensive training programme.
- To promote their research activities and consultancy services in this department and the number of research supervisors should be increased.
- Faculty members without Ph. D. are encouraged to register for Ph. D programmes.
- The research supervisors are motivated to apply for projects from various funding agencies.
- The number of research contribution in the form articles to Peer reviewed journals should be increased.
- The faculties are motivated to apply for patent rights for their innovative research out come.

## PG AND RESEARCH DEPARTMENT OF ZOOLOGY

1. Name of the department & Year of its establishment:

**PG and Research Department of Zoology & June, 1960**

2. Names of Programmes/ Courses offered

Sl. No.	Name of the Course	Medium	Duration	Part Time/ Full Time
1	B. Sc. Zoology	Tamil	3 Yrs	Full Time
2	B. Sc. Zoology	English	3 Yrs	Full Time
3	M. Sc. Zoology-Sec A	English	2 Yrs	Full Time
4	M. Sc. Zoology-Sec B	English	2 Yrs	Full Time
5	M. Phil. Zoology	English	1 Year	Full Time
6	Ph. D. Zoology FT	English	2 Yrs with M. Phil. 3 Yrs with M. Sc.	Full Time
7	Ph. D. Zoology PT	English	3 Yrs with M. Phil. 4 Yrs with M. Sc.	Part Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments:

Sl. No.	Department	Course	Subject
01	Physics	B. Sc. Physics	Public Health and Hygiene (1 paper)
02	Economics	B. A. Economics	Economic Zoology (1 paper)
03	Chemistry	B. Sc. Chemistry	Allied Zoology (3 papers)
04	Biotechnology	B. Sc. Biotechnology	Allied Zoology (3 papers)

6. Number of teaching posts:

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	16	04	09	Nil	03



## 7. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D./M. Phil. Etc.)

Sl. No.	Name	Qualification	Designation	Specialization	Experience (yrs)	No of Ph.D. students guided for the last 4 years
01	Dr. S.S.Rajendran	M. Sc., M. Ed., M. Phil., Ph.D.,	Asso. Professor & HOD	Avian Ecology	31	-
02	Dr. A.Murthy	M.Sc., M. Phil., Ph.D.,	Asso. Professor	Aquaculture	29	-
03	Dr. M.Veeramrity	M.Sc., M. Phil., B.Ed., Ph.D.,	Asso. Professor	Toxicology	27	-
04	Dr. G.Sridharan	M.Sc., M. Phil., Ph.D.,	Asso. Professor	Wet land ecology	28	2
05	Dr. K .M. Subburathinam	M.Sc., M. Phil., Ph.D.,	Asst Professor	Entomology	20	3
06	Dr. P.Mariappan	M.Sc., M. Phil., Ph.D.,	Asst Professor	Crustacean Biology	12	1
07	Dr. K. Rameshkumar	M.Sc., M. Phil., Ph.D., PGDCA,	Asst Professor	Pheromone Biochemistry	12	1
08	Dr. M.Sukumaran	M.Sc., B.Ed., Ph.D., SLET	Asst Professor	Estuarine Biology	10	2
09	Dr. S.Babu	M.Sc., Ph.D., NET	Asst Professor	Bioremediation	10	-
10	Dr. S.Sivasuriyan	M.Sc., M. Phil., B.Ed., Ph. D.,	Asst Professor	Aquaculture	14	-
11	Dr. M.Thangadurai	M. Sc., M. Phil., B. Ed., Ph. D.,	Asst Professor	Aquaculture	13	-
12	Dr. M.P.Murugaian	M. Sc., M. Tech, Ph.D.,	Asst Professor	Computational Biology	15	2
13	Mr. S.Ramanathan	M.Sc., M. Phil., B.Ed., FAZ,	Asst Professor	Aquaculture	15	-

8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

9. Student -Teacher Ratio (programme wise):1:25

Sl. No.	Programme/Course	Student Teacher Ratio
01	B. Sc. Zoology	25:1
02	M. Sc. Zoology	20:1
03	M. Phil. Zoology	8:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	4	2
02	Administrative Staff	0	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency & Amount (Rs)	Title
Dr. P. Krishnamoorthy	UGC-Major (2009-2012) 7,01,800	Novel Method of Contraception from the Guided Fractions of <i>Andrographis paniculata</i> Root, Stem and Leaves
Dr. G. Sridharan	UGC-Minor (2011-2013) 1,10,000	Effect of Neem Biopesticide on Repellency, Mortality, Oviposition and Development of Red Cotton Bug <i>Dysdercus</i>
Dr. P. Mariappan	CICT-Short Term (2011-2012) 2,50,000	Reptiles in Classical Tamil செவ்வியல் இலக்கியங்களில் ஊர்வன
Dr. K. Rameshkumar	DST-SERC Fast Track Award (2011-2014) 11,67,000	Chemical Characterization of Bovine ( <i>Bos indicus</i> ) Urine: A New Insight into Mammalian Pheromones
	UGC-Major (2012-2015) 11,88,800	Identification of Pheromones in the Body Fluids of Bovine ( <i>Bos indicus</i> ): A Novel Approach in Livestock Production
Dr. M. Sukumaran	UGC-Minor (2010-2012) 90,000	Environmental Characteristics of Agniar Estuary with Special Reference to Fishery Potential
	UGC-Major (2013-2016) 9,66,800	Studies on the Environmental Inventory of the Estuarine Zone of the Muthupet Mangroves with Special Reference to Fishery Potential
Dr. P. Murugaian	UGC-Major (2012-2015) 11,55,300	Evaluation of male contraceptive activity of <i>Plumeria alba</i> extract preparation in rats

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

XI Plan- UGC-PG Grant – 8,00,000 (Rupees eight lakh only)

13. Research Centre/facility recognized by the University.

This Department has been recognized as a Research Centre by the Bharathidasan University since Jan. 2010

Ref. No. 18439/D5/2010/Dt. 07.01.2010

14. Publications:

Details	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
<b>Dr. K. M. Subburathinam</b>					
No. of papers published in peer reviewed journals (national/intl.)	4	3	6	7	2
Chapters in Books:	-	-	-	-	-
Number listed in international database	-	-	-	-	-
Citation index – range/ average	13	8	11	17	-
Impact Factor – range/ average	-	-	-	-	-
h-index	1	1	1	1	-
<b>Dr. P. Mariappan</b>					
No. of papers published in peer reviewed journals	2	0	5	2	2
Chapters in Books:	1	-	1	-	3
Number listed in international database	2	0	2	2	2
Citation index – range/ average	3-4	-	6	5	-
	Total Citations: 196; since 2010: 114				
Impact Factor – range/ average	0.57-3.03	-	0.39	-	-
h-index	-	-	-	-	4
<b>Dr. K. Rameshkumar</b>					
No. of papers published in peer reviewed journals (national/intl.)	2	3	3	6	5
Chapters in Books:	-	-	-	-	1
Number listed in international database	-	-	-	-	-
Citation index – range/ average	-	-	-	-	-
Impact Factor – range/ average	-	-	-	-	-
h-index	-	-	-	-	4
<b>Dr. M. Sukumaran</b>					
No. of papers published in peer reviewed journals (national/intl.)	-	3	6	5	8
Chapters in Books:	-	-	-	-	-
Number listed in international database	-	-	-	-	-
Citation index – range/ average	-	-	-	-	-
Impact Factor – range/ average	-	-	-	-	-
h-index	-	-	-	-	-

Dr. S. Babu					
No. of papers published in peer reviewed journals (national/international)	-	1	-	-	-
Chapters in Books:	-	-	-	-	1
Number listed in international database	-	-	-	-	-
Citation index – range/ average	-	-	-	-	-
Impact Factor – range/ average	-	-	-	-	-
h-index	-	-	-	-	-
Dr. P. Murugaian					
No. of papers published in peer reviewed journals (national/intl)	-	-	1	6	3
Chapters in Books:	-	-	-	-	-
Number listed in international database	-	-	-	-	-
Citation index – range/ average	-	-	-	-	-
Impact Factor – range/ average	-	-	-	-	-
h-index	-	-	-	-	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies:

Department staff members are encouraged to recharge themselves through attending refresher courses, orientation programmes, in-service training programmes, conferences, workshops etc. The department also conducts various conferences, workshops, and seminars in which the faculty, research scholars and students participate to enrich and update their knowledge and professional skills.

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards

S.No.	Name of the Faculty	Name of the journal
1	Dr. P. Mariappan (Reviewer)	Proceedings of National Academy of Science, India Saudi Journal of Biological Sciences Indian Journal of Pure and Applied Zoology Life Member in Zoo Outreach Organization
2	Dr.K.Rameshkumar Editorial Board Member	The Scitech Int. J. of Genetic Engineering and Biotechnology Int. J. of Molecular Genetics. Int. J. of Horticulture and Crop Science Research. Global Journal of Applied Agriculture Research. Life Member in Society for Reproductive Biology and Comparative Endocrinology (SRBCE)

## 19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 100 (All M.Sc. students submit a project in their final semester as part of their course components.)

**Student projects with financial assistance from TN State Government**

Sl. No.	Details of the Students Project
<b>2013-2014</b>	
01	Student: N. Murugaiyan Research Supervisor: Dr.S.S. Rajendran Agency: TANSCHÉ, Chennai. Title: Identification of Bioactive Compound(S) in the Bell Weed ( <i>Dipteracanthus Prostratus</i> ) for Medicinal Purpose
02	Student: R.Asaithambi Research Supervisor: Dr. K. Rameshkumar Agency: TANSCHÉ, Chennai Title: Screening of Phytochemicals and Identification of Compounds in Pavalamalli ( <i>Nyctanthes arbortristis</i> ) Using GC-MS
03	Student: E.Sutha Research Supervisor: Dr. K. Rameshkumar Agency: TANSCHÉ, Chennai. Title: Screening of Phytochemicals and Identification of Compounds in Malai Vembu ( <i>Melia composite</i> ) Using GC-MS
<b>2012-2013</b>	
04	Student: D.Manjula Research Supervisor: Dr. G. Sridharan Agency: TANSCHÉ, Chennai Title: Studies on the Ground Water Quality in the Industrial Area in and Around Ariyalur District
05	Student: R.V. Abirami Research Supervisor: Dr. G. Sridharan Agency: TANSCHÉ, Chennai Title: Survey of Incidence of Tuberculosis in Thanjavur District
06	Student: R.Arulmozhi Research Supervisor: Dr. G. Sridharan Agency: TANSCHÉ, Chennai Title: Biological Treatment Processes of Sugarcane Molasses in Sugarcane Industries
<b>2011-2012</b>	
07	Student: P.Balasundari Research Supervisor: Dr. K. Rameshkumar Agency: TNSCST Title: Identification and Screening of Phytochemicals in Vettiver Grass Using GC-MS

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/other agencies: Nil

20. Awards / Recognitions received by faculty and students

**Faculty:**

Sl. No.	Name of the Faculty & Award
1.	Dr.K.Rameshkumar 1. DST Fast Track Young Scientist Award -2011 2. Science Academies' Summer Research Fellowship – 2011 during April 23 – June 19, 2011 at Pineal Research Lab, Department of Zoology, Banaras Hindu University, Varanasi. 3. Fellow Award-2011 from Society for Applied Biotechnology 4. DST- Mentors/Resource persons for Summer/Winter Camps and other INSPIRE initiatives

**Research Scholars:**

Sl. No.	Year	Name	Fellowship/Agency
01	2010-2012	Ms. Rajeshwari	UGC-Project Fellow
02	2010-2015	Ms. P. Ramya	RGNF-UGC
03	2011-2012	Mr. D. Kalaiselvan	CICT-Project Fellow
04	2011-2014	Mr. T. Prabu	DST-SERC-Project Assistant
05	2012-2017	Ms. P. Sangeetha	RGNF-UGC
06	2012-2017	Ms. J. Babitha	RGNF-UGC
07	2012-2015	Mr. G. Gnanamuthu	UGC-Project Fellow
08	2012-2015	Mr. R. Dhanapal	UGC-Project Fellow
09	2013-2016	Mr. S. Kothandapandi	UGC-Project Fellow
10	2014-2019	Ms. S. Bhakya	RGNF-UGC

21. Seminars (S)/ Conferences I/Workshops (W) organized & the source of funding

Level	Sponsor	Title of Seminar/Conference/Workshop
<b>2010-2011</b>		
National	CSIR DRDO	National Symposium on Emerging Trends in Life Sciences. 11 and 12 March 2010
<b>2011-2012</b>		
National	ICMR-CSIR	National Seminar on Future Prospective of Natural Products and Food as Medicine on 1 <sup>st</sup> and 2 <sup>nd</sup> April 2011.
	ICMR TNSCST	Application of Statistics in Biological and Biomedical Data. 24 <sup>th</sup> and 25 <sup>th</sup> January, 2012

2012-2013		
National	TNSCST	National Seminar on Animal Transmitted Diseases in Tropics. 26 and 27 September, 2012
	UGC	National Seminar on Current Perspectives in Biological Sciences. 11 and 12 October, 2012
2013-2014		
National	TNSCST	National Seminar on E-waste Emerging Pollution on 13th and 14th August 2012.
2014-2015		
National	TNSCST	Workshop on Statistical Packages and their Applications in Life Sciences - 07 <sup>th</sup> and 08 <sup>th</sup> August 2014
Regional	RGNIYD	Seminar on Health and Healthy Lifestyle 30 <sup>th</sup> January 2015

## 22. Student profile programme/course wise:

Year	No of Students Enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	50	24	74	13	25	38	5	10	15	6	2	8
2011-2012	42	25	67	8	20	28	3	12	15	4	3	7
2012-2013	44	19	63	22	28	50	4	10	14	3	4	7
2013-2014	44	31	75	25	15	40	4	11	15	3	5	8
2014-2015	58	37	95	15	26	41	1	4	5	1	4	5

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, TET, Defense services, Civil services, etc.?

No of students Cleared							
Year	NET	SLET	GATE	TET	Defense Services	Civil services	Others (specify)
2011-2012		2					
2012-2013							1-PG TRB
2013-2014						TNPSC IV	3-PG TRB
2014-2015						VAO	3-PG TRB

## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	39.5	35.4	33.3	37.5
PG to M. Phil.	33.3	33.3	64.3	26.7
PG to Ph.D.	-	-	-	-
Ph.D. to Post Doctoral	-	-	-	-
Employed Govt	-	-	01	04
Private	-	-	-	-
Campus selection	-	-	-	-
Campus selection	-	-	-	-
Entrepreneurship/Self-employment	-	-	-	-

## 26. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	69
From other universities within the states	31
From other universities from other states	-

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period. Nil

## 28. Present details of Infrastructural facilities

a) Library -Total Number of Books: 3188

Category	Number
Text Books	165
Book Bank	243
Bharathidasan University Book Bank (BUBB)	109
Book Bank-Tamil Nadu Society	242
COSIP	76
General Books	2353
Total	3188

b) Internet facilities for Staff & Students:

Broadband Internet Connection with Wi-Fi facility is available.

c) Total number of class rooms: 8

d) Class rooms with ICT facility: 2

e) Student Laboratories: 2

f) Research Laboratories: 2



29. Number of students receiving financial assistance from college, university, government or other agencies

**Financial assistance from state/central govt. agencies for research activities:**

Sl. No.	Courses	Funding Agencies	No. of Scholars/Students
01	Ph. D.	RGNF	04
		UGC	04
		DST	01
		State Government	04
02	M. Sc.	TANSCST	01
		TANSCH	06

**Scholarships received by Ph.D. scholars for research activities:**

1	2013-2015	Mr. K. Dass	State Govt Scholarship for SC/STs
2	2013-2015	Mr. C. Raju	State Govt Scholarship for SC/STs
3	2013-2014	Mr. T. Siva	State Govt Scholarship for SC/STs
4	2013-2014	Mr. K. Sathishkumar	State Govt Scholarship for SC/STs
5	2013-2014	Mr. A. Elavarasan	DCE Scholarship

**State Govt. scholarship for students:**

Year	SC/ST		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	98	27	45	22	49	17	258
2011-12	97	27	53	21	53	18	269
2012-13	94	32	50	19	43	24	262
2013-14	88	43	41	17	41	27	257
2014-15	100	37	47	19	56	23	282

**Tamil Medium Fund (State Govt.)**

Sl. No.	Year	No. of students availed
01	2010-11	108
02	2011-12	112
03	2012-13	108
04	2013-14	94
05	2014-15	109

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology?

Department of Zoology offering UG and PG courses in our college. Every year we are receiving more number of applications for PG course. So,

the PG and Research Department of Zoology conducted a survey through a questionnaire. Based on the inputs from the questionnaire and the informal interaction with the aspirants and the parents, efforts were taken to start one more parallel PG session in Zoology in order to help the students from the rural background. Further, they also have opportunities to get employment in sericulture, aquaculture, vermiculture, apiculture, animal husbandry, health department, forest department and education department.

31. Does the department obtain feedback from?

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. During board of studies meet, the syllabus was renewed, inputs of the staff were taken into account to restructure the curriculum in order to suit the present need.

Based on the feedback received from faculty,

- i. ICT facilities are installed in a class room and a laboratory for power point presentation.
- ii. e-content from the virtual lab is downloaded and used for demonstration.

b) students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Based on the feedback from the students the following steps have been taken in teaching-learning-evaluation:

- i. More number of unit tests and quiz programmes are conducted and evaluated
- ii. Lectures are given in bilingual mode.
- iii. Study materials are provided to the students
- iv. Power Point presentations and animated programs are used for practical demonstration.

c) Alumni and employers on the programmes and what is the response of the department to the same?

Yes. Feedback received from alumni of this department and employers are included during curriculum development and teaching-learning-evaluation processes.

32. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name of the Alumni	Present Position and Address
01	Dr. S.S. Rajendran	Asso Prof & Head (Retd), Department of Zoology, Rajah Serfoji Govt College, Thanjavur
02	Dr. T. Ravimanickam	Associate Professor, Tamil Nadu Open University, Chennai
03	Dr. B. Kadalmani	Asst Prof of Zoology, Bharathidasan University, Thiruchirapalli
04	Mr.S.Ramanathan	Asst. Prof. of Zoology, Rajah Serfoji Govt College, Thanjavur - 613005
05	Dr. V. Tamilarasan	Professor (Retd), Rajah Serfoji Govt. College, Thanjavur- 610 005
06	M. Anbalagan	Conservator of Forest, Trichy
07	T. Rengasamy	P.G. Teacher, Thanjavur
08	S. Kalidass	TNCSC, Chennai
09	A. Balasubramanian	P.G. Teacher, Vidhya Vikas Higher Secondary School, Kandarvakkottai
10	M. Arivalagan	P.G. Teacher, Tamil Nadu School Education, Nagapattinam

33. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Sl. No.	Name of the experts	Title & Date
01	Dr. G. Archunan, Bharathidasan University, Thiruchirapalli  Dr. M. Krishnan, Bharathidasan University, Thiruchirapalli	Emerging Trends in Life Sciences 17.10.2010
02	Mr. K. Dharmaraju, Physical Director, Govt. High School, Thanjavur	Health Care and Management 10. 02.2011
03	Dr. P. Subramanian, Bharathidasan University, Thiruchirapalli  Dr.V.A.J.Hxley Assistant Professor of Zoology Thiru Vi Ka Govt. College Thiruvarur	Future Prospective of Natural Products and Food as Medicines 01. 04.2012 & 02.04.2012
04	Dr. S. Ayyampillai Bharathidasan University Thiruchirapalli	National Workshop- Statistical Analysis of Biological & Biomedical Data 24.01.2012 & 25.01.2012

	Dr. S. Boopathi Department of Economics Bharathiar University, Coimbatore  Dr. M. Ravichandran Bharathidasan University, Trichy  Dr. Chellam Balasundaram Bharathidasan University, Trichy	
05	Dr. A. Rajendran Arignar Anna Govt. College, Musiri.  Dr. K. Jayaprakash, Chikkanna Govt. Arts College Tirupur.	E- Waste an Emerging Pollution 13.08.2012
06	Dr.S.Achiraman, Bharathidasan University, Trichy  Dr.N.Punniamurthy, Veterinary University Training & Research Centre, Thanjavur  Dr. Rameshsaravanakumar, TANUVAS, Thanjavur.	Animal Transmitted Diseases in Tropics 26.09.2012
07	Dr. M. Ravi, Sri Ramachandra University, Chennai.  Dr. S. Kannan, Head & Professor of Zoology, Periyar University, Salem.	Current Perspectives in Biological Sciences 11.10.2012
08	Dr. G. Archunan, Bharathidasan University, Trichy  Dr. A. Muthusamy School of Life Sciences Manipal University, Manipal	Popular Lectures on Biotechnology 30.01.2013
09	Dr. R. Nagarajan, Associate Professor, AVC.College, Mannampanthal.  Dr. Senthilkumar, Assistant Professor, Periyar EVR Govt. College, Thiruchirapalli	Statistical Packages and their Applications in Life Sciences 07.08. 2014 & 08.08.2014
10	Dr. S. Kannan, Director ASC-Madurai Kamaraj University, Madurai  Dr. S. Parimala Tamil University, Thanjavur  Dr. K. Jayaprakash Karpakavinayaga College of Engineering, Kanchipuram	Youth-Led Development Outreach Programme. Science Connect: Seminar on Health and Healthy Lifestyle 30.01.2015

34. List the teaching methods adopted to improve student learning

Demonstration, group discussion, student seminar, assignments, Open Book Exam, Virtual Laboratories, LCD and OHP

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Programme objectives and learning outcomes are monitored constantly through conventional and nonconventional methods. Periodic class tests, discussions, midterm and semester examination results, student's seminars are some of the evaluative methods being practiced.

36. Highlight the participation of students and faculty in extension activities.

Faculty members and students are involved in Tiger Census, Tobacco Survey, Dengue Awareness Programme, AIDS Awareness, Environment Awareness Programme, Tree Plantation, Voters Day Rally etc.

Staff members of Zoology department are also served/serving as NSS (Dr.K.Rameshkumar), RRC (Dr. K.M.Subbu Rathinam) and Eco-club (Dr.P.Mariappan) coordinators.

Further, most of our students are involved in NSS, YRC, RRC and NCC activities to serve the society.

37. Give details of "beyond syllabus scholarly activities" of the department

UGC NET coaching, Remedial courses for SC & ST students, motivating the students to attend seminars/conferences, quiz programmes, competitions, to encourage the students to visit many places/institutions regarding their course component.

38. State whether the programme/ department is accredited/ graded by other agencies. Give details - Nil.

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**Strength:**

- Well qualified and experienced faculty
- Spacious laboratories, museum and departmental library.
- Periodical study tours/visit to different bio diversity centers and institutes.
- Preparing and motivating the students for competitive exams.
- Higher studies, Research and Job opportunities

**Weakness:**

- Insufficient class rooms
- Majority of the students are slow learners as they are first generation graduates with disadvantaged background
- Department alumni association has to be strengthened.

**Opportunities:**

- Self-employment opportunities - Sericulture, Apiculture, Vermiculture, Aquaculture.
- Government opportunities - Lab technicians, Health Inspector, Water quality management, Wild life officers

**Challenges:**

- To motivate the students to take up higher education.
- Development of communication skills among students
- To develop the positive attitude among students.
- Malnutrition among the students hampers their concentration on their studies.
- Students find it difficult to do their projects due to financial constraints.

**40. Future plans of the department:**

It is planned to start P.G. diploma courses in interdisciplinary areas

### PG & RESEARCH DEPARTMENT OF ECONOMICS

1. Name of the department & its year of establishment:

**PG & Research Department of Economics & 1957**

2. Names of Programmes/ Courses offered (UG, PG, M. Phil., and Ph. D.)

Sl No	Name of the Course	Medium	Duration	Part Time/ Full Time
1	B.A. Economics	Tamil	3 years	Full- Time
2	B.A. Economics	English	3 years	Full- Time
3	M.A. Economics	English	2 years	Full- Time
4	M. Phil. Economics	English	1 year	Full- time
5	Ph.D. Economics	English	3 Years (with PG qualification) 2 Years (PG with M. Phil.)	Full- Time
6	Ph.D. Economics	English	4 Years (with PG qualification) 3 Years (PG with M. Phil.)	Part-time

3. Interdisciplinary courses and the departments/ units involved: Nil

4. Annual/semester/choice based credit system (programme wise):

Semester system with Choice Based Credit System (CBCS)

5. Participation of the department in the course offered by other departments:

Sl. No.	Department	Course	Subject
01	Chemistry	B. Sc.	Economic Concept and Principles
02	Mathematics	B. Sc.	Problems of Indian Economy

6. Number of Teaching posts sanctioned and filled:

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors.

Sl. No.	Sanctioned Teaching Posts	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	11	03	08	Nil	Nil

## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No of years of experience	No of Ph.D. students guided for the last 4 years
01	Dr. V. Durairaj	M.A., M. Phil., Ph.D., MBA.,	Asso Professor	Agricultural Economics	29	-
02	Dr. S. Suguna	M.A., M. Phil., Ph.D.,	Asso Professor	Fiscal Economics	28	-
03	Dr. C. Sunitha	M.A., M. Phil., B. Ed., Ph. D., PGDE., PGDI M, MBA,	Asso Professor	Insurance Economics	17	On going 3
04	Dr. P. Natarajan	M.A., M. Phil., Ph.D., MBA,	Asst Professor	Fiscal Economics	19	Awarded-9 On going 7
05	Dr. A. Arulraj	M.A., M. Phil., Ph.D., MBA,	Asst Professor	Real Estate Management, Urban Economics	15	Awarded-24 On going 6
06	Dr. G. Baskar	M.A., M. Phil., Ph.D.,	Asst Professor	Agricultural Economics	15	8 on going
07	Dr. M. Malarvizhi	M.A., M. Phil., MBA, Ph.D.,	Asst Professor	Women Empowerment	13	-
08	Dr. M. Santhanalakshmi	M.A., M. Phil., B.Ed.,, Ph.D., MBA,	Asst Professor	Micro Finance, Rural Economics	06	-
09	Dr. A. Kalaiselvi	M.A., M. Phil., MBA, Ph.D.,	Asst Professor	Agricultural Economics	24	-
10	Dr. T. Mahendaran	M.A., M. Phil., Ph.D., MBA,	Asst Professor	Agricultural Economics	20	4 on going
11	Dr. R. Thamizselvam	M.A., M. Phil., MBA, Ph.D.,	Asst Professor	Fiscal Economics, State Finance	13	-



8. Percentage of classes taken by temporary faculty-programme-wise information:  
Nil

9. Programme wise Student -Teacher Ratio:

Sl. No.	Course	Student Teacher Ratio
01	B. A. Economics	27:1
02	M. A. Economics	5:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled: As per government norms

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency & Amount	Title
Dr. A. Arulraj 2009-2010	UGC-Minor Project Rs.87,000	Poverty Reduction Through Religious Tourism
Dr. P. Natarajan 2010-2011	UGC-Minor Project Rs.1,45,000	Socio-Economic Condition of the Landless Women labourers in Thanjavur Dct
Dr. G. Baskar 2011-2012	UGC - Minor Project Rs. 70,000	Paddy Marketing on Thanjavur District
Dr. R.Thamizselvam 2012-2013	UGC- Minor Project Rs.90,000	A study of Mediating Effects on Fiscal Decentralization in State Finances of Tamilnadu
Dr. A.Arulraj 2012-2014	UGC-Major Project Rs.5,59,800	NREGS is Mediating Factor for the Poverty Reduction in Rural India
Dr. M. Malarvzhili 2012-2013	UGC-Minor Project Rs.1,00,000	Poverty Reduction Through Women Self-help Groups Development: Reality or Myth
Dr. A. Arulraj 2013-2014	UGC-Human Rights Education Rs.8,00,000	For creating Human Rights Education and Research
Dr.M.Santhanalakshmi 2013-2014	UGC- Minor Project Rs.1,00,000	Self- Help Groups Movement Mediating Effects for the Reduction Poverty of Tamilnadu
Dr.T.Mahendaran 2014-2015	UGC- Minor Project Rs.2,70,000	A study on Rural Development Through Provisions of Urban amenities to Rural Areas ( PURA) in Thanjavur District
Dr.A.Arulraj 2014-2015	State Planning Commission, Govt of Tamilnadu Rs.3,50,075	Mediating Causes for High Level of IMR in Thondamathur block of Coimbatore District
Total	25,71,875	

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sl. No.	Year	Sponsor	Title of the Project
01	2013-14	UGC-Human Rights Education Rs.8,00,000	For creating Human Rights Education and Research
02	2014-15	State Planning Commission, Govt of Tamil Nadu Rs.3,50,075	Mediating Causes for High Level of IMR in Thondamathur block of Coimbatore District

13. Research Centre / facility recognized by the University

The Department of Economics has been recognized for carrying out research work leading to M.Phil. in Economics (Full Time) from the academic year 2008-2009 and Ph.D. in Economics (Full Time and Part Time) by Bharathidasan University, Tiruchirappalli since 2009.

**Ref. No. 29390/D8/2008 Dt. 12.08.2008** for M. Phil.

**Ref. No: 035462/D5/2009 Date: 14.03.2009** for Ph.D.

14. Publications:

	2010-11	2011-12	2012-13	2013-14	2014-15
No. of papers published in peer reviewed journals (national/ international)	33	15	20	15	3
Chapters in Books:	-	-	-	-	-
Number listed in international db	-	-	-	-	-
SCOPUS	-	-	-	-	-
EBSCO	-	-	-	-	-
Citation index - range / average	-	-	-	-	-
Impact Factor - range / average	-	-	-	-	-
h-index	-	-	-	-	-

Sl. No.	Name	2010-11	2011-12	2012-13	2013-14	2014-15
01	Dr. C.Sunitha	5	7	3	5	-
02	Dr. P.Natarajan	2	1	2	1	1
03	Dr. A.Arulraj	19	1	9	4	-
04	Dr. M.Malarvizhi	1	4	1	1	-
05	Dr. M. Santhanalakshmi	1	-	1	1	2
06	Dr. A.Kalaiselvi	3	1	2	1	-
07	Dr. T.Mahendaran	1	1	2	2	-
08	Dr. R. Thamizselvam	1	-	-	-	-
Total		33	15	20	15	03

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies

The Principal & the Head of the Department encourage the faculty to complete their orientation and refresher programmes at the earliest. Additionally, in keeping with the policy of promoting research, the faculty is encouraged to pursue their Ph.D., send proposals for minor/major research projects, and guide students in research either for a formal degree or through research projects.

By attending seminars/conferences/workshops and by presenting papers, faculty members get exposed to the contemporary concepts and the recent trends happening in the field of Economics. The department also organizes National and International seminars on different socio-economic themes. The department has so far organized 15 National seminars and 5 International seminars to enrich the knowledge of the teachers as well as students in the department. Workshops to empower faculty with innovative teaching-learning skills also help to keep the faculty motivated. International academic exposure is given by way of inviting people from outside the country.

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards

S. No	The Faculty Name	Editorial Boards
1	Dr. P. Natarajan	Editor, SELP Journal of Publication, Tiruchirappalli.
2	Dr. A.Arulraj	Editor, International Journal of Applied Management Research, TISSL Publication, Belgium Chief Editor, Tamilnadu Journal of Applied Management Research TISSL Publication, Belgium
3	Dr.M.Santhanalakshmi	Member, International Journal of Applied Management Research, TISSL Publication, Belgium Member, Tamilnadu Journal of Applied Management Research, TISSL Publication, Belgium

## 19. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme: 100
- b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies- Nil.

## 20. Awards / Recognitions received by faculty and students

- i. Dr. A. Arulraj was awarded “Best Teacher Award- 2010” Government of Tamilnadu for contribution to research.
- ii. Dr. A. Arulraj was awarded “Indo- Hungarian Educational exchange Fellow- 2012” sponsored by Hungarian Scholarship Board and Ministry of Culture, Government of India.

## 21. Seminars (S)/ Conferences (C)/Workshops (W) organized &amp; the source of funding

Level	Funding Agency	Title of Seminar/Conference/Workshop
<b>2010-2011</b>		
National	UGC	UGC National Seminar on “Fiscal Federalism in India, 31.01.2011.
	UGC	UGC National Seminar on “3rd Advanced Data Analysis, Business Analytics and Economics Intelligence” 20-21.06.2011.
	MoES	1 <sup>st</sup> National Seminar on “ Economic Impact on Post Tsunami in Bay of Bengal, 28-29.06.2011
International	ICMR	2 <sup>nd</sup> International seminar on Health Economics & Management, 15-16.12.2011
<b>2011-2012</b>		
National	UGC	National Seminar on “ New Paradigm in Promotion of Human Rights Education” 5-6.01.2012
	MoES	2 <sup>nd</sup> National Seminar on “Economic Impact on Post Thane Cyclone in Bay of Bengal” 2-3.04.2012
International	ICMR TNSCST	3 <sup>rd</sup> International seminar on Health Economics & Management, 13-14.12.2012
<b>2012-2013</b>		
National	UGC	UGC National Seminar on “Liberalization perspective of Public Expenditure in India” , 27 <sup>th</sup> April 2013
	UGC	National Seminar on “Human Rights and Business Ethics Corporate Sectors in South Asia” on 5 <sup>th</sup> September 2013.

	UGC	National Seminar on "Human Rights Education Awareness & Sensitization Programme" on 6 <sup>th</sup> September 2013
	MoES	3 <sup>rd</sup> National Seminar on "Economic Impact on the post Tsunami and Post Thane Cyclone in Bay of Bengal" 27 <sup>th</sup> September 2013.
<b>2013-2014</b>		
National	UGC	Releasing Human Rights free books in 1000 copies for students on Human Rights Education Awareness & Sensitization Programme. 31.05.2014
International	ICMR TANSCHÉ	4 <sup>th</sup> International seminar on Health Economics & Management, 30 <sup>th</sup> January 2014
<b>2014-2015</b>		
National	UGC	National Seminar on "Human Rights & Media Ethics" 25 <sup>th</sup> July 2014
	MoES	3 <sup>rd</sup> National Seminar on "Economic Impact on the post Tsunami and Post Thane Cyclone in Bay of Bengal" 20 <sup>th</sup> March 2015.
	UGC	National level seminar on Towards stronger and sustainable of self-help groups in India. 16-17.03.2015.
International	ICMR & TANSCHÉ	5 <sup>th</sup> International Seminar on Health Economics and Management. 09.01.2015

## 22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	64	18	82	16	15	31	09	13	22	-	1	1
2011-2012	41	26	67	09	26	35	05	11	16	2	3	5
2012-2013	58	27	85	12	16	28	04	11	15	5	2	7
2013-2014	61	24	85	05	27	32	05	06	11	3	4	7
2014-2015	64	33	97	7	19	26	1	9	10	3	2	5

## 23. Diversity of Students

Name of the course	Percentage of the students from		
	The same state	Other States	Abroad
<b>2010 – 2011</b>			
UG	98.79	-	1.21 (1 Boy From Sri Lanka)
PG	100	-	-
M. Phil.	100	-	-
Ph.D.	100	-	-
<b>2011-2015</b>			
UG	All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during this period.		
PG			
M. Phil.			
Ph.D.			

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

Year	No of students Cleared						
	NET	SLET	GATE	TET	Defense services	Civil services	Others (specify)
2012-2013	00	01	00	00	01	00	01

25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	23	14	16	11
PG to M. Phil.	65	37	32	28
PG to Ph.D.	-	-	19	9
Ph.D. to Post Doctoral	-	-	-	-
Employed				
Govt.				
Private				
• Campus selection				
• Other than campus recruitment				
Entrepreneurship/Self-employment				

26 Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	45
From other universities within the states	55
From other universities from other states	00

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period: 09

1. Dr. V. Durairaj - 2013
2. Dr. S. Suguna - 2015
3. Dr. C. Sunitha - 2010
4. Dr. G. Basker - 2010
5. Dr. M. Malarvizhi - 2010
6. Dr. M. Santhanalakshmi - 2013
7. Dr. A. Kalaiselvi - 2012
8. Dr. T. Mahenthiran - 2012
9. Dr. R. Thamizselvam - 2011

## 28. Present details about Infrastructural facilities

## a) Library

Sl. No.	Category	No
01	Text Books	384
02	Book Bank	496
03	Bharathidasan University Book Bank (BUBB)	66
04	General Books	2833
05	Total	3779

## b) Internet facilities for Staff &amp; Students

Unlimited internet via Wi-fi. facility is available in the department for the use of students and staff.

## c) Total number of class rooms: 10

## d) Class rooms with ICT facility:

An LCD projector is available in the department which is used for classroom teaching and presentations.

## e) Student Laboratories: Not applicable

## f) Research Laboratories: Not Applicable

## 29. Number of students receiving financial assistance from college, university, government or other agencies.-

Year	SC/ST		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	127	27	68	17	37	13	289
2011-12	109	13	64	17	36	13	252
2012-13	103	34	56	15	33	13	254
2013-14	107	27	65	16	35	14	264
2014-15	123	27	68	16	52	12	298

## Tamil Medium Fund

Year	Tamil Medium Fund
2010-11	124
2011-12	119
2012-13	113
2013-14	118
2014-15	134

**Merit Scholarships:**

Sl. No.	Name of the candidate	Sponsoring Agency	Amount	Year
1	C. Sakthi	Malcolm & Elizabeth Adiseshiah Trust, Chennai (To pursue an M.Phil Project)	20000	2013-14
2	C. Ravindran	Malcolm & Elizabeth Adiseshiah Trust, Chennai (To pursue Ph.D.)	100000	2013-14
3	S. Anbarasan	UGC-PG Merit Scholarship	40000	2013-15

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Prior to applying for the M. Phil. programme, the Department of Economics, conducted a study of the profile of the students who were passing out as post graduates by then and found out that majority of them were not able to go for further studies on account of their financial constraints as there is no Government College in the nearby area that offers the course. So to enable them overcome the geographical as well as the financial constraints they have faced till then, the Department started the M. Phil. course in Economics and spreads awareness about all the forms of scholarships applicable to them and part-time employment opportunities to the poor students.

31. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

The design of the courses and the framing of the syllabi are done by the faculty together. Regular meetings are held in the department to discuss and review this. All the faculty members of the department are also on the Board of Studies. Hence the curriculum is constantly being reviewed for relevance. Almost all the faculty members in the department have completed MBA programme through distance education mode; hence, a few management subjects are introduced in our department for enhancing the employability of the students in the private sectors.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Through structured questionnaires the students give valuable feedback on teachers. This is reviewed by the teachers and the Head of the Department and action is being taken accordingly.



c) Alumni and employers on the programmes and what is the response of the department to the same?

The department has alumni who are proud to belong to this institution and who display a great sense of loyalty. This is the 56th year of the Economics section and the alumni have shown great enthusiasm. Some of them give lectures to the students and contribute to bring in industrial experience to the classroom.

The Department of Economics produced notable lecturers, feeding to the teaching fraternity in and around colleges in Tamilnadu, revealing the Department's untiring efforts to mould the students all through the years.

32. List the distinguished alumni of the department (maximum 10)

Sl. No.	Distinguished Alumni	Position held
1	Dr. G.Rajendran	Professor and Head, Dept. of Economics, Periyar University, Salem
2	Dr. R. Nanarayanamoorthy	Professor & Head, Dept of Rural Econ. Alagappa University, Karaikudi
3	Mr. Sathasivam	Assistant General Manager State Bank of India, Thanjavur
4	Dr. S. Boopathi	Assistant Professor of Economics Bharathiar University, Coimbatore
5	Dr. D.Malarvizhi	Associate Professor, K.N.Govt College, Thanjavur
6	Dr. G.Rajendiran	Associate Professor, Gurunanak College, Chennai.
7	Dr. R.Palanivelu	Head & Associate Professor, AVVM College, Poondy.
8	Dr. R.Rajendiran	Former Principal, AVVM College, Poondy
9	Mr. R.Panchapakesan	Managing Director, CIGFIL Ltd., Bangalore
10	R. Mala	Assistant Director Applied Economic Research Center, Govt. of TN, Kuralagam.

33. Give details of student enrichment programmes (special lectures/workshops/ seminar) with external experts.

The following eminent speakers have interacted with students on campus:

S. No.	Date	Eminent Speaker
1	15.12.2011	Dr. M. Ganeshamoorthy Professor of Economics, University of Coulomb, Sri Lanka
2	13.12.2012	Prof. Lucie Professor Psychology, University of Gent, Belgium
3	25.07.2014	Dr. Ravinder Rena Professor of Economics, University of Capetown, South Africa
4	25.07.2014	Dr.Bala Balchandra Professor of Business Economics, Dept. of Accountancy, London School of Economics, UK
5	09.01.2015	Prof. Daniel Mouchat Professor of Economics, University of Gent, Belgium

34. List the teaching methods adopted by the faculty for different programmes.

- Lectures
- Power Point Presentation and Audio-Visual aids (films and videos on subject related topics)
- OHP Presentation
- Case Study
- Group Discussion g. Co-operative Learning.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Students feedback report.
- Continuous Internal Assessment
- Classroom seminar sessions
- Faculty feedback report
- Regular department meetings of faculty to take stock and plan.

36. Highlight the participation of students and faculty in extension activities.

Two faculty members from our Department have acted as NSS Coordinators, in the assessment period, extending their valuable service to the society.

1. Dr. G. Basker - 2010-2014
2. Dr. T. Mahendran - 2010-2014

Participation of students for BA Economics Students

Sl. No.	Year	NSS	NCC	Sports	Total
1	2010-11	25	1	-	26
2	2011-12	25	1	-	26
3	2012-13	25	1	-	26
4	2013-14	25	2	-	25
5	2014-15	25	2	-	25

37. Give details of “beyond syllabus scholarly activities” of the department.

- a) Involvement of the faculty in the research activities – doctoral research by faculty members.
- b) Organizing National Level & International Seminar
- c) Paper presentation by faculty at state, national and international level.
- d) Faculty participation in various seminars and workshops.

38. State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**Strengths:**

- Up-liftment of the socio-economically weak students in higher education.
- Motivating the students to participate in national and international seminars

**Weakness:**

- Linkage with banking and corporate sectors

**Opportunities:**

- Employment opportunities in private as well as government sectors

**Challenges:**

- Improvement of pass percentage in undergraduate course

40. Future plans of the department.

- Organizing National Level Competitions for Economics Students
- Conducting more invited lectures inviting experts from the industrial and corporate sectors.
- Giving students the experience of small research projects and papers.
- Sending the students for internship programmes to Reserve Bank of India, World Bank, IMF and Asian Development Bank.

**PG & RESEARCH DEPARTMENT OF COMMERCE**

1. Name of the department & its establishment:

**PG & Research Department of Commerce & 1970**

2. Names of Programmes/ Courses offered:

Sl No	Name of the Course	Medium	Duration	Part Time/ Full Time
1.	B. Com Shift-I	English	3 years	Full Time
2	B. Com Shift- II	English	3 years	Full Time
3	M. Com.	English	2 years	Full Time
4	M. Phil. Commerce	English	1 years	Full Time
5	Ph. D. Commerce	English	3 Years (PG qualification) 2 Years (PG with M. Phil)	Full Time
6	Ph. D. Commerce	English	4 Years (PG qualification) 3 Years (PG with M. Phil.)	Part Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/ choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments

S.No.	Course	Department	Name of the Paper
1	B. Sc.	Statistics	Financial Accounting
2	B. Sc.	Statistics	Management Accounting
3	B. Sc.	Statistics	Cost Accounting
4	B. Sc.	Statistics	Advertising Management
5	B. Sc.	Bio- Chemistry	Advertising Management
6	B. Sc.	Computer Science	General Commercial Knowledge

6. Number of Teaching posts sanctioned and filled

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors and Professors.

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
	15	02	04	07	02

## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Academic Qualification	Designation	Specialization	No of years of experience	No of Ph.D. students guided for the last 4 years
01	Prof. S. Shanmugam	M. Com., M. Phil., B.Ed., (Ph. D).	Asso Professor	Marketing and Taxation	28	-
02	Dr. V. Pugazhenth	M.Com., M. Phil., MBA., PGDIM., PGDPM., Ph. D., - SLET	Asso Professor	Finance and Insurance	20	-
03	Dr. R.P. Ramesh	M.Com., MBA., M. Phil., M. Sc., PGDCA., Ph.D.,	Asst Professor	Finance and HRM	20	Guiding 8
04	Dr. R. Kathaian	M.Com., MBA., M. Phil., Ph.D.,	Asst Professor	Finance and Laws	20	Guiding 8
05	Dr. S. Adaikalacharles	M.Com., M. Phil., B. Ed., Ph. D.,	Asst Professor	Finance	20	Guiding 8
06	Dr. V. Buvaneswaran	M.Com., MBA., M. Phil., PGDCA., PGDBA., PGDMA., BGL., Ph.D., SLET	Asst Professor	Finance and Industrialization	20	Completed 1 Guiding 8
07	Mr. T. Harikrishnamurthi	M. Com., M. Phil., PGDCA., (Ph. D.), SET.,	Guest Lecturer	Finance and Marketing	09	-
08	Mr.K. Ravichandran	M. Com., M. Phil., MBA., (Ph. D.)	Guest Lecturer	Marketing & Coop Banking	09	-
09	Mr. K. Vinothavelan	M. Com., M. Phil., B.Ed., MBA., (Ph. D.)	Guest Lecturer	Micro Finance	06	-
10	Dr. C.N. Rajarajan	M.Com., M. Phil., Ph.D., SLST	Guest Lecturer	Marketing	20	-
11	Mr. M. Sharmila	M.Com., M. Phil., B. Ed.,	Guest Lecturer	Marketing	06	-
12	Mr. P. Rajesh	M.Com., M. Phil.	Guest Lecturer	Marketing	05	-
13	Mr. P. Srividhya	M.Com., MBA., M. Phil., UGC-NET	Guest Lecturer	HRM	04	---

08. Percentage of classes taken by temporary faculty-programme-wise information

Year	Programme	Shift I	Shift II
2010-2011	B. Com	-	100
2011-2012	B. Com	40	100
2012-2013	B. Com	60	100
2013-2014	B. Com	60	100
2014-2015	B. Com	60	100

09. Programme wise Student -Teacher Ratio

Sl. No.	Programme	Ratio
01	B. Com.	23:1
02	M. Com.	4:1
03	M. Phil.	3:1
04	Ph. D.	8:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	-	-
02	Administrative Staff	-	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency & Amount	Title
Dr.V.Buvaneswaran 2 Years (Jan. 2015 – Dec 2017)	UGC 65,000	A Study on Policy Measures For Promoting and Strengthening of Micro Small and Medium Industries in Tamil Nadu
Dr.V.Pugazhenthir 1 Year (2013-14)	UGC 80,000	An Evaluation of Community Health Insurance in Tamil Nadu with Special Reference to Thanjavur District

12. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

Nil

## 13. Research Centre / facility recognized by the University:

This Department has been a Research centre Recognized by the Bharathidasan University since Nov -2011.

REF. NO. 025776/D9/ 2011, dt. 08.09.2011

## 14. Publications:

	2010-11	2011-12	2012-13	2013-14	2014-15
No. of papers published in peer reviewed journals (national/ international)	4	6	10	9	11
Chapters in Books:	6	7	2	6	4
Number listed in international database	-	-	-	-	-
SCOPUS	-	-	-	-	-
Web of Science	-	-	-	-	-
EBSCO	-	-	-	-	-
Citation index – range / average	-	-	-	-	-
Impact Factor – range / average	-	-	-	-	-
h-index	-	-	-	-	-

## 15. Details of patent and income generated: Nil

## 16. Areas of consultancy and income generated Nil

## 17. Faculty recharging strategies

The faculty members are encouraged to enrich and update their knowledge through active participation in the Workshops, Seminars, and Conferences at National and International level. They are also encouraged to attend Orientation, Refresher Courses, and other in-service programmes to hone their professional knowledge and skills.

## 18. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

## 19. Student projects

## a) Percentage of students who have done in-house projects including inter departmental/programme

100% (All PG students do a project work as part of their syllabus)

## b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: Nil

## 20. Awards / Recognitions received by faculty and students

Sl.No.	Name of the Student	Award
1	V. Stalin	University First Rank in April -2012(M.Com)

## 21. Seminars (S)/ Conferences (C)/Workshops (W) organized &amp; the source of funding:

Sl. No.	Name of the Resource Persons	Programme
01	Dr. R. Ramakrishnan, (Dept. of Commerce, Govt. Arts. College, Selam) "Mechanics of Share Market Trading"	UGC sponsored Seminar on Stock Market Practices (21.3.2012)
	D. Saravanakumar, (Branch Manager, India Infoline, Thanjavur) "Portfolio Management Techniques"	

## 22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	71	38	109	14	17	31	4	16	20	-	-	-
2011-2012	71	30	101	18	16	34	2	18	20	6	1	7
2012-2013	83	37	120	4	20	24	4	16	20	7	5	12
2013-2014	81	42	123	15	20	35	4	15	19	4	1	5
2014-2015	78	49	127	7	18	25	2	18	20	1	-	1

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

## 24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

No of students Cleared							
Year	NET	SLET	GATE	TET	Defense Services	Civil Services	Others (specify)
2012-2013	-	1	-	-	-	-	-
2013-2014	-	-	-	-	-	-	-
2014-2015	1	-	-	-	-	-	-



## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
UG to PG	19	18	13	34	56
PG to M. Phil.	20	15	65	53	45
PG to Ph.D.					
Ph.D. to Post Doctoral					
Employed Govt. Private • Campus selection • Other than campus recruitment Entrepreneurship/Self-employment					

## 26 Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	92
From other universities within the states	08
From other universities from other states	-

27. Number of faculty who were awarded Ph. D., D. Sc. and D. Lit. during the assessment period: 2

- 1) Dr. V. Pugazhenthir 2014
- 2) Dr. C.N. Rajarajan 2012

## 28. Present details of Infrastructural facilities

## a) Library

Text Books	1600
Book Bank	182
Bharathidasan University Book Bank (BUBB)	35
General Books (UGCCS)	166
Total	1983

## List of Journals subscribed in the Department Library

1. Southern Economist
2. Indian Journal of Marketing
3. Tamil Nadu Journal of Cooperation
4. The Cooperator

b) Internet facilities for Staff & Students are available – Three Computers with Wi-Fi Internet Connectivity

c) Total number of class Rooms: Six

d) Class rooms with ICT facility: One

e) Student Laboratory: NA

f) Research Laboratory: NA

29. Number of students receiving financial assistance from college, university, government or other agencies

Year	SC/ST	MBC	BC	TOTAL
2010-11	36	33	42	110
2011-12	37	37	41	115
2012-13	32	32	54	128
2013-14	43	39	54	134
2014-15	49	41	58	148

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: Nil

31. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, the feedback from all the staff members helped the department to enrich the curriculum framework. Based on their inputs, the following papers have been introduced in the syllabus and some changes have been made wherever necessary.

### Curriculum

Papers introduced during the assessment period:

- Computer Applications in Business
- Entrepreneurial Development
- Entrepreneurship and Small Business Management
- E-commerce
- Security Analysis and Portfolio Management
- Executive Self Development
- Social Laws
- Research Methodology
- Statistical Tools for Business
- Quantitative techniques for Business Decision

Changes made during the assessment period:

- NSE's Certification in Financial Markets (NCFM) modules by NSE included in the paper 'Fundamentals of Financial Market'
- In the Paper "e-Commerce", a 'practical session on online marketing and banking' is included.

### Teaching -Learning - Evaluation

Based on the feedback from the faculty on teaching, learning, and evaluation the following steps have been taken:

- One of the classrooms has been equipped with ICT facilities
- Internet connection with Wi-Fi facility has been made available for both staff and students
- Three new computers have been installed in the department for practical sessions.
- Number of class tests have been increased
- Student seminars are conducted

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Based on the feedback from the students on staff, curriculum as well as teaching, learning, and evaluation the following steps have been taken:

- Lectures are made bilingual to help the rural students, whose English skills are inadequate, to understand the concepts of the Paper.
- Weak students are identified and given special classes.
- For problem- based papers like Accountancy and Statistics, special care has been taken to make the students secure more marks.
- Study materials have been provided for the students.
- Based on the feedback from the students new papers like Executive Skill Development, e-commerce, Computer Applications in Business were introduced.

c) Alumni and employers on the programmes and what is the response of the department to the same?

Feedback is obtained from the outgoing students who are employed in various organizations, to know the factors which helped them fetch a job. It was known from them that computer skills are essential for employment in corporate sector. Hence, in order to give better exposure in computer applications in commerce, an exclusive computer practical paper with Tally has been introduced.

An alumnus and an Auditor have been included in the Board of Studies to get their feedbacks while framing the syllabus

32. List the distinguished alumni of the department

Sl. No.	Name	Present Position
01	Mr. P. Chellaian	Associate Prof. of Commerce (Rtd.), Rajah Serfoji Govt. College, Thanjavur
02	Prof. N. Ganesan	Founder, Bharath College of Science and Management, Thanjavur.
03	Mr. S.Raja Maheshwaran	Chartered Accountant, Thanjavur
04	Dr. K. Gunasekaran	Assistant Prof. of Commerce, Government Arts College, Nandhanam
05	Dr. N. Santhoshkumar	Assistant Prof. of Commerce, Bharath College of Science and Management, Thanjavur
06	Ms. A.S. Deepika,	Assistant Prof. of Commerce, Don Bosco College of Arts and Science, Karaikal.
07	Mr. A. Stalin	Assistant Prof. of Commerce, Sri Muthukumaran Arts and Science College, Chennai - 69.
08	Ms. Ponniiyin Selvi	Assistant Prof. of Commerce, BDU Constituency College for Women, Orathnadu
09	Ms. M. Sharmila	Assistant Prof. of Commerce, Rajah Serfoji Govt. College, Thanjavur
10	Mr. P. Rajesh	Assistant Prof. of Commerce, Rajah Serfoji Govt. College, Thanjavur
11	Ms. G. Indhra	Assistant Prof. of Commerce, Raja's College, Thiruvaiyaru
12	Mr. P. Satheesh	Assistant Prof. of Commerce, Raja's College, Thiruvaiyaru

33. Give details of student enrichment programmes (special lectures/ workshops/ seminar) with external experts

S.No.	Name	Programme Title & Date of Event
1	Dr. M. Swaminathan Dr. R. Saminathan	UGC Sponsored Seminar on Entrepreneurial Development (20.3.2012)
2	Prof. P.Saravanel	Special Lecture in Research Methodology in Commerce (11.07.2014)
3	Dr. A.Chandrasekar	Special Lecture in Human Resource Management (18.07.2014)
4	Dr. V. Balaji	Workshop on Corporate Secretaryship (22.07.2014)
5	Mr. S.K. Subbaraman	Special Lecture on Modern Banking (27.01.2015)
6	C. Rajagopal Petchi Thangavel B. Subashini Ganapathy	Workshop on Chartered Accountancy Course Awareness Programme (05.02.2015)

34. List the teaching methods adopted by the faculty for different programmes.

- Lectures
- Power Point Presentation
- Seminar
- Assignment
- Unit Test
- Charts
- Debate
- Group Discussion

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Programme objectives:

The attainment of programme objectives is monitored by the assessment of awareness among students about concepts of commerce, economics and management, application of theories of the above subjects, and the success rate of our students in higher studies, and professional programmes like CA, ICWAI, and ACS, research, employment in corporate sector, and competitive examinations.

Learning outcomes:

- By deputing an exclusive Tutor in-charge for each class to monitor the performance of students which is counter checked by the HOD, now and then.
- By continuous internal assessment of the performance of the students.
- By analyzing the results of semester examinations.

36. Highlight the participation of students and faculty in extension activities.

Faculty:

Prof. S. Shanmugam

1. Member, Computer Literacy Programme of Govt. of Tamilnadu (From 2011)
2. Advisor, National Service Scheme (RSGC), (From 2014)
3. Liaison Officer, BC Hostel (From 2014)
4. Coordinator for BC / MBC / First Graduate Scholarship (From 2014)
5. Coordinator, Centre for Distance Education, Bharathidasan University, Tiruchirappalli (From 2014)
6. President , Thanjavur Govt. College Staff Cooperative Society, Thanjavur (From 2014)

Dr. V. Pugazhenth

1. Coordinator, Placement and Career Guidance Cell (From 2014)
2. Member, Income Tax Committee (From 2011)
3. Coordinator, Citizen Consumer Club 2013-14

Dr. R.P. Ramesh

1. Member, Youth Club, Rajah Serfoji Govt. College, Thanjavur (2012-2013)

Dr. R. Kathaian

1. Member, , Placement and Career Guidance Cell (From 2014)
2. Member, Sports Committee, RSGC (From 2011)

Dr. S. Adaikala Charles

1. Member, Consumer Awareness Club, RSGC, (From 2014)

Dr. V. Buvaneswaran

1. Member, Consumer Awareness Club, RSGC, (From 2014)

Students:

Our students participate in NCC, NSS, Sports, Fine Arts, RRC, YRC, and Consumer Club as part of their Part IV in their curriculum.

Some of the achievements of our students:

Sl. No.	Year	Name	Organization	Event & Place
1.	2014-15	D. Shandhini	All India Shito Ryu Karate Do Federation	Karate Gold Medal
2.	2014-15	J. John Rock Fellar	Bharathidasan University	Boxing Third
3.	2014-15	J. John Rock Fellar	Bharathidasan University	Weight Lifting Third
4.	2014-15	J. John Rock Fellar	Bharathidasan University	Power Lifting Silver Medal
5.	2013-14	D. Shandhini	Koshin-King-Kai Shitoryu Karate School, Karate & Sports Association of Tamilnadu, India	Karate Second
6.	2013-14	A.Tamilazhagan	Bharathidasan University	Kabadi Form III Holder
7.	2013-14	K. Dinesh	All India	Cycling Representation
8.	2013-14	K. Dinesh	Bharathidasan University	Cycling First
9.	2013-14	S. Iyanar	NIC (18.12.13 to 29.12.13), Varangal, Andhra Pradesh.	National Level
10.	2012-13	M. Vignesh	Pre RDC (31.8.12 to 09.09.12), Alagappa University, Karaikudi	State Level
11.	2012-13	S. Ilayaraja	Pre RDC (31.8.12 to 09.09.12), Alagappa University, Karaikudi	State Level

12.	2012-13	R. Ilayaraja	Pre RDC (31.8.12 to 09.09.12), Alagappa University, Karaikudi	State Level
13.	2012-13	A.Alex	TSC Selection Camp (04.06.12 to 13.06.12), Nehru Memorial College, Puthnampatti	State Level
14.	2012-13	A.Alex	IGC (23.09.12 to 02.10.12), Selam	State Level
15.	2012-13	P. Manikandan	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
16.	2012-13	P. Ramani	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
17.	2012-13	S. Sayasuraman	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
18.	2012-13	E. Surendar Babu	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
19.	2012-13	A.Alex	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
20.	2012-13	S. Iyanar	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
21.	2012-13	C. Barthiban	CATC (07.01.13 to 16.01.13), Periyar Maniammai University, Vallam	State Level
22.	2012-13	C. Barthiban	TSC Selection Camp (04.06.12 to 13.06.12), Nehru Memorial College, Puthnampatti	State Level
23.	2012-13	C. Barthiban	IGC (23.09.12 to 02.10.12), Selam	State Level
24.	2012-13	C. Barthiban	DELHI SPORTS CAMP (16.10.13 to 23.10.13), Selam	National Level
25.	2012-13	N. Ayyappan	DELHI SPORTS CAMP (16.10.13 to 23.10.13), Selam	National Level
26.	2012-13	N. Ayyappan	Uttarkand Training Camp (01.09.13 to 17.09.13), Uttarkand	National Level
27.	2010-11	K. Mano	All India	Fine Arts Representation
28.	2010-11	T. Murugan	All India	Fine Arts Representation
29.	2010-11	P. Satheeshkumar	All India	Fine Arts Representation

37. Give details of “beyond syllabus scholarly activities” of the department.

- Through Consumer Club various consumer awareness programmes and health awareness programmes are being conducted.
- Personality Development Programmes, Soft Skill Development Programmes are being conducted for the final UG and PG Students.

- Students are motivated to attend seminars, workshops, and conferences organized by other institutes and universities to update their knowledge.

38. State whether the programme/department is accredited/graded by other agencies. Give details.

Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### **Strength**

- Qualified and Experienced Faculty Members
- Well Stacked Library
- UG, PG, and research programmes like M.Phil., and Ph.D. are offered in our Department
- Wi-Fi /Internet Facilities
- Curriculum for UG designed to enable the students to appear for ICAI, ICWAI, ICS, TNPSC, UPSC, IBPS etc.,
- Curriculum for PG designed to enable the students to appear for SET and NET.
- Separate well furnished Building ensuring maintenance of better campus discipline.
- Surveillance under CCT Camera for maintenance of better campus discipline.

#### **Weakness**

- Shortage of required Permanent Staff Members
- Lack of Industrial Exposure

#### **Opportunities**

- MoU With ICAI to conduct coaching classes for CA aspirants is in progress
- Similar MoUs may be entered into with Insurance Institute of India (III), IRDA, NCFM, DIC etc.
- The recently launched free Laptop to school/college students may help to enhance the IT enabled learning

#### **Challenges**

- Bridging the Tamil Medium Learners to the English Medium Instructions.
- First Generation Learners



#### 40. Future plans of the department

- Separate computer lab for enriching the computer knowledge of our students, with Wi-Fi facility
- Separate Smart Class room for our Department
- To apply for Major and Minor Research Projects
- To conduct National and International Seminars and Conferences.
- To MOU with District Industrial Centre for the development of Entrepreneurial Skill and new Avenue for first generation Entrepreneurs
- To apply for accreditation with ICAI, ICWAI, IACSI, III like Institutions for conducting classes.

### PG DEPARTMENT OF COMPUTER SCIENCE

1. Name of the department & year of its establishment:

PG & Research Department of Computer Science & July 2005

2. Names of Programmes/Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sl. No.	Name of the Course	Medium	Duration	Part Time/ Full Time
01	B. Sc. Computer Science-Shift I	English	3 Years	Full Time
02	B. Sc. Computer Science-Shift II	English	3 Years	Full Time
03	M. Sc. Computer Science	English	2 Years	Full Time
04	M. Phil. Computer Science	English	1 Year	Full Time

3. Names of interdisciplinary courses and the departments involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments

Sl. No.	Department	Course	Subject
01	Business Administration	B.B.A.	Internet and Web Design (Theory) HTML Lab (Practical)
02	Commerce	B. Com.	Internet and Web Design

6. Number of teaching posts

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors.

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	12	-	4	6	2

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	Teaching Experience (yrs)	No of Ph.D. students guided for the last 4 years
01	Dr. K. Mohan Kumar	M. Sc., M. Phil., B. Ed., Ph. D.,	Asst Professor	Database, Networking	19	-
02	Dr. M. Chidambaram	M. Sc., M. Phil., M.B.A., Ph. D.,	Asst Professor	Grid Computing	18	-
03	Mr. V. S. Suresh Kumar	M.C.A., M. Phil.,	Asst Professor	Data mining	15	-
04	Mr. N. Suresh Babu	M. Sc., M. Phil.,	Asst Professor	Network security	14	-
05	Mr. G. Stalin	M.C.A., M. Phil.,	Guest Lecturer	Knowledge Mining	8	-
06	Mr. V. Mahendran	M.C.A., M. Phil.,	Guest Lecturer	Cloud Computing	7	-
07	Ms. K. Bommi	M. Sc., M. Phil., SET,	Guest Lecturer	Data Mining	10	-
08	Ms. D. Bhuvaneswari	M.C.A., M. Phil., SET,	Guest Lecturer	Data Mining	10	-
09	Ms. M. Sathya Sundary	M. Sc., M. Phil.,	Guest Lecture	Database Management system	9	-
10	Ms.S.Margaret Amala	M.C.A., M. Phil.,	Guest Lecturer	Networking	6	-

8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sl. No.	Programme	Percentage
01	B. Sc. Computer Science - Shift I	20
02	B. Sc. Computer Science - Shift II	100
03	M. Sc. Computer Science	20

09. Student -Teacher Ratio (programme wise):

Sl. No.	Programme	Student Teacher Ratio
01	B. Sc. Computer Science- Shift I	5:1
02	B. Sc. Computer Science- Shift II	7:1
03	M. Sc. Computer Science	5:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	Nil	Nil
02	Administrative Staff	Nil	Nil

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received- Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received- Nil

13. Research Centre / facility recognized by the University - Nil

14. Publications:

No. of papers published in peer reviewed journals (national/ international)	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
• Dr. K. Mohan Kumar	-	2	-	2	2
• Dr. M.Chidambaram	1	1	1	1	5
• Mr. V.S. Suresh Kumar	-	-	-	1	4
Chapters in Books:	-	-	-	-	-
Number listed in international database	-	-	-	-	-
SCOPUS	-	-	-	-	-
Web of Science	-	-	-	-	-
EBSCO	-	-	-	-	-
Citation index - range/average	-	-	-	-	-
Impact Factor - range/average	-	-	-	-	-
h-index	-	-	-	-	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated - Nil

17. Faculty recharging strategies:

The faculties are encouraged to enrich and update the knowledge through active participation in the Workshops, Seminars, and Conferences in National and International level. They are also encouraged to attend Orientation, Refresher Courses, and other in-service programmes to hone their professional knowledge and skills.

Programmes	Number of faculty Attended				
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Refresher courses	-	1	1	1	-
HRD programmes	-	-	-	-	-
Orientation programmes	-	-	-	-	-
Staff training conducted by the College (eg. IQAC)	-	-	-	10	10
Staff training conducted by University/ other Colleges	-	-	-	-	-
Summer/winter schools, workshops, etc	-	-	-	-	-
Seminar/Conference	-	-	-	3	3

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards - Nil

19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme-

PG & M. Phil. Projects - 100

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/other agencies. Nil

20. Awards/Recognitions received by faculty and students - Nil

21. Seminars/conferences/workshops organized & the source of funding: Nil

## 22. Student profile programme/course wise:

Year	No of Students Enrolled											
	UG			PG			M. Phil.			Ph. D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	46	24	70	-	-	-	-	-	-	-	-	-
2011-2012	33	21	54	-	-	-	-	-	-	-	-	-
2012-2013	42	27	69	12	18	30	-	11	11	-	-	-
2013-2014	45	28	73	5	36	41	3	9	12	-	-	-
2014-2015	37	22	59	10	25	35	2	9	11	-	-	-

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

## 24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Nil

## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
UG to PG	-	11	3	5	8
PG to M. Phil.	-	-	-	2	2
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post Doctoral	-	-	-	-	-
Employed Govt. Private • Campus selection • Other than campus recruitment Entrepreneurship/Self-employment					

## 26. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	100
From other universities within the states	00
From other universities from other states	00

27. Number of faculties who were awarded Ph. D., D. Sc., D. Lit. during the assessment period:

Name of faculty awarded Ph. D	Year
Dr. M. Chidambaram	2010-2011
Dr. K. Mohan Kumar	2012-2013

28. Present details about infrastructural facilities

a) Library: Total No. of Books Available in the Department: 784

b) Internet facilities for Staff & Students: 30 systems with internet connection with Wi-Fi

c) Total no of class rooms: 03

d) Class rooms with ICT facility:

LCD projector is available in the department. Facilities are utilized whenever need arises.

e) Student Laboratories: 2

f) Research Laboratories: Nil

29. Number of students receiving financial assistance from college, university, government or other agencies Government Scholarships

Year	SC/ST		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	22	-	29	-	19	-	70
2011-12	18	-	20	-	16	-	54
2012-13	21	07	28	13	20	10	99
2013-14	21	10	35	11	17	20	114
2014-15	19	12	20	12	20	11	94

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. Information collected from companies, professors and our students were discussed in the staff meeting. Though the students have lot of interest in computer science, they were choosing other majors because of non availability of M.Sc. in Computer Science and M. Phil., in computer science. As per the feedback of above mentioned, M.Sc. in Computer Science and M.Phil. in Computer Science courses were started on 21.08.2012.

31. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, Based on the feedback from the faculty the following changes have been made in curriculum, teaching-learning and evaluation.

**Curriculum:**

**P.G.**

1. Instead of LAMP paper PHP paper has been introduced.
2. In the paper "Mobile Communication" a unit on Android Operating System has been included.

**U.G.**

1. 1. Instead of "C and Data structure", the paper 'Fundamentals of Information Technology' has been introduced

**Teaching - Learning - Evaluation:**

The following techniques have been adopted to improve the performance of the students

- Group Discussion and seminar.
- Unit wise test.

b) students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Based on the feedback from the students the followings changes have been made.

**Curriculum :**

**P.G.**

1. "Software Testing" paper has been removed and the components of the paper have been included in the newly introduced "Advanced Data Structure" paper.

**U.G.**

1. II units have been modified in the paper 'Computer Architecture'



**Teaching - Learning - Evaluation:**

- Conducting Quiz
- Oral Tests at the end of the hour

c) Alumni and employers on the programs and what is the response of the department to the same?

Yes. Based on the feedbacks from the alumni and employers the following changes have been made.

**Curriculum:****U.G.**

- 'Database System' syllabus is revised.

**P.G.**

- 'Advanced Data Structure' paper is introduced.

**Teaching - Learning - Evaluation:**

1. Spoken English practice is given.
2. ICT facility is used in teaching.

32. List of the distinguished alumni of the department (maximum 10)

Name	Course studied	Present position
V. Prabhakaran	M. Sc.	Programmer
R. Chitirai Selvi	M. Phil.	Guest Lecturer
G.A. Arthi	M. Phil.	Guest Lecturer
S. Govindarajan	M. Phil.	Guest Lecturer
R. Sethupathi	B. Sc.	Multimedia Designer

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts - 4

S.No	Name	Topic & Date
01	Dr. R. Mahesh Rengaraj Asso Prof of Mechanical Engineering, School of Science and Engineering, Cochin.	Roll of Computer in Engineering 07/08/2014

02	Dr. N. Senthilkumar Asso Prof of Management Studies, Anna University, Chennai.	Applications of Computers in Management 13/08/2014
03	Mr.D. Balaji Project Manager, Macons Systems Technologies Pvt. Ltd., Trichirappalli	Present Trent in IT Industries 04/09/14
04	Dr. M. Balamurugan Asso Prof of Computer Science, Bharathidasan University, Trichirappalli	Big Data Dimensions 26/02/2015

34. List the teaching methods adopted by the faculty for different programmes

- i. To make learning a pleasant experience many technical devices are used in the class room.
- ii. Quiz competitions are conducted.
- iii. Debates are conducted in the class room to develop communication and presentation skills.
- iv. Students are motivated to visit other institutions to have exposure in professional and research developments.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

#### Programme Objectives

The attainment of programme objectives is monitored by the assessment of awareness among students about concepts of computer science and applications, the success rate of our students in higher studies, research, employment in IT sector, and competitive examinations.

Learning outcomes monitored through the following methods:

- Student Assignments
- Continuous Internal Assessment Tests
- Classroom seminar sessions
- Faculty feedback report

36. Highlight the participation of students and faculty in extension activities:

Our UG student S. Senthamil Cholan (2012-2015 batch) attended the Republic Day Parade, at New Delhi.

Mr. N. Suresh Babu, Assistant Professor is serving as a NSS Programme Officer and Physical Education in Charge of our College.

Sl. No.	Date	Event	No. of students
01	08.10.2014	250 saplings were planted on the college campus	40
02	25.01.2015	Voters Day Rally	72
03	31.01.2015	Dengue Awareness Programme	48
04	14.02.2015	Dengue Awareness Campaign	63

37. Give details of “beyond syllabus scholarly activities” of the department:

No	Event Date	Name of the student	Oranizing Institute	Event & Prize Price
1	25/01/2015	H.Riyana Mubeen	R.S.G. College, Thanjavur	Essay Writing First
2	11/10/2012	R.Sethupathy	R.S.G. College, Thanjavur	Visual Dreams First
3	21/02/2014	R.Sethupathy	M.I.E.T. Arts and Science, Trichy-7	Multimedia First
4	1/3/2013	R.Sethupathy	Bharathidasan University Trichy	Multimedia First
5	5/3/2013	G.Suresh Kumar	Bharath College of Science and Management, Thanjavur.	LNA Games First
6	5/3/2013	G.Suresh Kumar	Bharath College of Science and Management, Thanjavur.	Ad-Zap First
7	21/02/2014	G.Suresh Kumar	M.I.E.T. Arts and Science, Trichy-7	Web Design First
8	9/2/2013	G.Suresh Kumar	R.S.G. College, Thanjavur	Debugging Second
9	9/2/2013	G.Suresh Kumar	R.S.G. College, Thanjavur	Ad-Zap Third
10	21/02/2014	G.Suresh Kumar	M.I.E.T. Arts and Science, Trichy-7	Debugging First
11	31/01/2013	G.Suresh Kumar	Care School of Computer Applications	Debugging First
12	11/10/2012	N.Hariharan	Adikkalamatha College , Vallam.	Mind Master First
13	1/3/2013	G.Suresh Kumar	Bharathidasan University Trichy	Technical Event-Third
14	1/3/2013	N.Hariharan	Bharathidasan University Trichy	Technical Event-Third

15	31/03/2013	N.Hariharan	Care School of Computer Applications	Brain Twister Second
16	9/2/2013	N.Hariharan	Annai College, Kumbakonam.	Dumb-Charade-Second
17	9/2/2013	N.Hariharan	Annai College, Kumbakonam.	Quiz First
18	1/3/2013	A.Vairaganesh	Chrish Raj College,T richy.	Dumb-C Third
19	1/3/2013	A.Vairaganesh	Chrish Raj College, Trichy.	Spot Animation Third
20	9/2/2013	A.Vairaganesh	Annai College, Kumbakonam.	Multimedia Second
21	31/01/2013	A.Vairaganesh	Care School of Computer Application	E-Art Third
22	31/01/2013	A.Arunkumar	Care School of Computer Application	Brain Twister Second
23	5/6/2013	A.Arunkumar	Bharath College of Science And Management,Thanjavur.	Ad-Zap First
24	1/3/2013	R.Arun Kumar	Chrish Raj College, Trichy.	Mind Master Second
25	1/3/2013	R.Arun Kumar	Chrish Raj College, Trichy.	Fallacy Third
26	9/2/2013	R.Arun Kumar	Annai College, Kumbakonam.	Quiz Third
27	9/2/2013	R.Arun Kumar	Annai College, Kumbakonam.	Ad-Zap Second
28	5/6/2013	R.Arun Kumar	Bharath College of Science And Management,Thanjavur.	Quiz First

38. State whether the programme/department is accredited/graded by other agencies. Give details: No

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**Strength:**

- Computers with Latest configuration with Wi-Fi connection.
- Resourceful qualified faculty

**Weakness:**

- Poor students from rural background.
- Inadequate communication skills of students in English
- Inadequate staff members

**Opportunities**

- More Job opportunities in all the fields

**Challenges**

- Average students from rural background.

**40. Future plans of the department**

- Plan to start PhD course.
- Separate virtual lab with simulation software.

## PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY

1. Name of the department & its year of establishment:

PG and Research Department of Biochemistry; 2004

2. Names of Programmes/Courses offered:

S.No	Name of the Course	Medium	Duration	Part Time/ Full Time
1	B. Sc. Biochemistry	English	Three years	Full time
2	M. Sc. Biochemistry	English	3 Years (PG qualification) 2 Years (PG with M. Phil. qualification)	Full time
3	Ph. D. Biochemistry	English	3 Years(with PG qualification) 4 Years(PG with M. Phil. qualification)	Part time

3. Interdisciplinary courses and the departments/ units involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Semester System with Choice Based Credit System

5. Participation of the department in the courses offered by other departments:

Sl. No.	Department	Course	Subject
01	Biotechnology	B.Sc. Biotechnology	Nutrition and Health Sciences
02	Computer Science	B.Sc. Computer Science	Nutrition and Health Sciences

6. Number of teaching posts and filled

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
01	08	--	06	02	02

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors.

## 7. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	Experience (yrs)	No of Ph.D. students guided for the last 4 yrs
01	Dr.K.Jeyaprakash	M.Sc., M. Phil., Ph. D., PGDCA.	Assistant Professor - Head	Enzymology Cancer biology	20	02
02	Dr.R.Senthilkumar	M.Sc., M. Phil., Ph. D., PGDCA.,	Assistant Professor	Molecular biology	18	Nil
03	Dr..T.Malarvili	M. Sc., M. Phil., Ph.D.,	Assistant Professor	Phytotherapy and Cancer Biology	25	02
4	Dr.A.Subramanian	M. Sc., M. Tech., Ph. D.,	Assistant Professor	Phytochemistry and Pharmacology	13	Nil
5	Dr.C.Aiyavu	M. Sc., CMLT., Ph. D.,	Asst Professor	Cancer Biology and clinical Biochemistry	17	Nil
5	Dr.L.Malarvannan	M. Sc., M. Phil., Ph. D.,	Assistant Professor	Biochemical Toxicology	13	Nil
6	Ms. G.Umarani	M. Sc., M. Phil.,	Guest Lecturer	Immunology	10	Nil
7	Ms. Mahalakshmi	M. Sc., M. Phil.,	Guest Lecturer	Molecular biology	9	Nil

8. Percentage of lectures delivered -and practical classes handled (programme wise) by temporary faculty:

Sl. No	Programmes	% of lecture delivered
1	B. Sc. Biochemistry	33
2	M. Sc. Biochemistry	20

9. Programme wise Student -Teacher Ratio (programme wise):

Sl. No.	Programmes	Student Teacher ratio
1	B. Sc. Biochemistry	16:1
2	M. Sc. Biochemistry	16:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	1	1
02	Administrative Staff	Nil	Nil

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

13. Research Centre / facility recognized by the University:

Recognized as Research Centre to offer Ph.D. programme in Biochemistry.  
Recg. No.: Bharathidasan University (PT) 026975/D9/2011 – Dt. 9-05.2012

14. Publications:

Research category	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of papers published in peer reviewed journals (national/international)					
Dr. K. Jeyaprakash	1	-	2	10	7
Dr. R. Senthilkumar	-	-	-	2	2
Dr. T. Malarvizhi	2	2	-	5	4
Dr. A. Subramanian	-	-	2	2	-
Dr. C. Ayavu	-	1	-	1	-
Dr. L. Malarvannan	2	-	-	-	-
Chapters in Books:					
Number listed in International db					
SCOPUS					
Web of Science					
EBSCO					
Citation index – range / average					
Impact Factor – range / average		9.2		9.2	
h-index					



15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharge strategies

Sl. No.	Name of the faculty	Details of the organization	Period of the course	
			From	To
Orientation Course				
01	Dr.T.Malarvili	UGC-ASC University of Madras	04.05.2011	02.06.2011
02	Dr. R. Senthilkumar			
03	Dr. A. Subramanian			
04	Dr. C. Aiyavu			
05	Dr. L. Malarvannan			
Refresher Course				
01	Dr. T. Malarvili	UGC-ASC University of Madras	12.11.2014	3.12.2014
02	Dr. R. Senthilkumar	UGC-ASC	17.07.2014	08.08.2014
03	Dr. A. Subramanian	Bharathidasan University	28.02.2015	20.03.2015
04	Dr. C. Aiyavu	Thiruchirapalli		
05	Dr. L. Malarvannan	UGC-ASC University of Madras	03.02.2015	23.02.2015

Apart from the orientation and refresher courses the faculty are encouraged to participate and contribute in seminars, workshops, and conferences organized by other institutions and universities.

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards

<b>International Committees</b>	
01	<b>Dr. A. Subramanian</b> 1) Members in international conference in Geology, Organized by Department of Geology, GAC-Kumbakonam
02	<b>Dr. C. Aiyavu</b> 1) Member, American Association for Cancer Research 2) Member, Biological Society 3) Member, American Society of Clinical Oncology
<b>Editorial Boards</b>	
03	<b>Dr. K. Jeyaprakash</b> 1. Acted as a reviewer in Indian Journal of Experimental Biology 2.Reviewer in International Journal of Multidisciplinary and Allied Research Review and Practices 3. Reviewer, American Journal of Pharmacological Sciences
04	<b>Dr. R. Senthilkumar</b> 1.Editorial Member-International Journal of Academy of Sciences 2. Reviewer- International Journal of Medical Sciences
05	<b>Dr. L. Malarvannan</b> 1) Member, Indo African Journal

## 19. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme.

Sl. No	Year	Total no. of students	No of student done the project in house	Percentage
1	2012-2014	22	12	54.5
2	2013-2015	22	11	50

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies

Sl. No.	Year	Total no. of students	No of student done the project outside	Percentage
1	2012-2014	22	10	45.5
2	2013-2015	22	11	50

## 20. Awards / Recognitions received by faculty

Sl. No	Faculty	Award	Year	Awarded by the institution
1	Dr. C. Aiyavu	Travel grant to USA	2011, 2012 2013	DST & UGC

## Awards / Recognitions received by students

Sl. No	Name of the student	Name of the award & year	Awarded by the institution
1	Ms. Malarvizhi	University 4 <sup>th</sup> Rank 2011	Bharathidasan University
2	Mr. Dinesh	N.C.C Award (Gold Medal in TSC, New Delhi), 12.10.2012	N.C.C.

## 21. Seminars (S)/ Conferences (C)/Workshops (W) organized &amp; the source of funding

Level	Funding Agency	Title of Seminar/Conference/Workshop
<b>2011-2012</b>		
National	UGC	Modern Trends in Biological Sciences 17 <sup>th</sup> Feb 2012
<b>2012-2013</b>		
National	ICMR	National Conference on Advances in the management and Prevention of Clinical Diseases due to malnutrition 7 <sup>th</sup> -8 <sup>th</sup> Feb 2013

2013-2014		
National	UGC	National Level Conference on Current Approaches and Challenges in Nanomaterial and Nanomedicine (Date 29 <sup>th</sup> – 30 <sup>th</sup> Aug 2013)
National	UGC	Workshop on Concepts and Applications of SPSS Packages in Biological Sciences, (Date 20 <sup>th</sup> Feb 2014)
2014-2015		
National	UGC	National Conference on Current Perspective and challenges in Biodiversity and its Conservation (Date 6-7 <sup>th</sup> March 2015)

## 22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2010-2011	20	10	30	-	-	-	-	-	-	-	-	-
2011-2012	14	09	23	-	-	-	-	-	-	-	-	-
2012-2013	12	08	20	06	18	24	-	-	-	4	2	6
2013-2014	23	15	38	7	17	24	-	-	-	3	2	5
2014-2015	20	7	27	4	20	24	-	-	-	1	1	2

## 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Nil

## 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	(4/30)13	(8/24)33		
PG to M. Phil.	NIL	NIL	NIL	(4/22)18
PG to Ph.D.	NIL	NIL	NIL	
Ph.D. to Post Doctoral	NIL	NIL	NIL	
Employed Govt. Private • Campus selection • Other than campus recruitment Entrepreneurship/Self-employment	20%	20%	10	1/19

## 26. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	50
From other universities within the states	50
From other universities from other states	00

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period: Nil

## 28. Present details about Infrastructural facilities

- A lab to conduct practical work.
- A department library to motivate the reading habit of students.
- Internet with wif-fi facility for accessing UGC-INFLIBNET and resources on the web.

## a) Library

Category	No of titles	No of copies	Indian author	Foreign author
Textbook	448		344	104
Reference books	20	20	-	20
Project reports	24	24	-	-

## b) Internet facilities for Staff &amp; Students:

Internet facility is available in the department with wi-fi connection- for staff and students.

## c) Total no of class rooms: 4 Class rooms

## d) Class rooms with ICT facility:

LCD projector and computers are available in the department that can be used for teaching and research purposes.

## e) Student Laboratories

Laboratory - one Biochemistry laboratory with separate store house and gas connection.

## f) Research Laboratories: Nil

29. Number of students receiving financial assistance from college, university, government or other agencies

Year	SC/ST		BC		MBC/DNC		Total
	UG	PG	UG	PG	UG	PG	
2010-11	8	-	8	-	7	-	23
2011-12	10	-	4	-	5	-	19
2012-13	5	11	6	8	3	3	36
2013-14	16	13	12	7	8	4	60
2014-15	13	6	8	9	7	7	50

Name of the students	Name of the financial assistance	Amount
B. R. Balaji	Kalki Krishnamoorthy Trust Scholarship dated 18 <sup>th</sup> Sep 2014	7,500
V. Tamilelakiya	Student Mini project fund from Tamil Nadu state council for higher education, Chennai, Year 2014-15	15,000
Thirunavukkarasu	Student Mini project fund from Tamil Nadu state council for higher education, Chennai 2014-15	15,000

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Based on the feedback given by the staff members working in colleges in and around Thanjavur, we realized the significance and scope of biochemistry in reputed hospitals, research and industry. This motivated us to start the M. Sc. Programme in Biochemistry which would fulfill the needs of the stake holders in their higher studies and employment.

31. Does the department obtain feedback from?

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Based on the feedback from the faculty on curriculum, we have introduced application oriented subjects like biotechnology and Molecular Biology.

We also incorporated some important topics in the syllabi which would be useful to compete for UGC NET/SLET Exams.

We also use PowerPoint presentation and animations for theory and practical classes.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Based on this feedback, we encourage the students to develop communication skills.

Classes are conducted in bilingual method. Lecture notes are provided to the students

We utilize power point presentation and animations for theory and practical classes.

We plan to conduct regular tests to improve their performance.

Based on the feedback of students on curriculum we introduce a paper in Advanced Pharmaceutical Chemistry relevant to Pharma Industry.

c) Alumni and employers on the programmes and what is the response of the department to the same?

The alumni of our department are helpful in improving the curriculum to incorporate syllabus components to enhance employment opportunities. They also help in getting placement for our outgoing students.

32. List the distinguished alumni of the department

1. S. Thirunavukarasau-Biochemist, KMCH Hospital, Coimbatore
2. Appadurai-Biochemist, Santhi Hospital, Coimbatore
3. S.Manoharan-Biochemist, Ganesh Laboratories, Thanjavur
4. P. Rajasekar-Medical Transcriptionist, Omega Limited, Thiruchi
5. V.Prabakaran-Thyrocare Research Laboratories, Mumbai
6. Chandrasekaran-Suresh Scan Center, Thanjavur
7. Rajkumar-Book Publishing Editor, Chennai
8. Balaji, Medical Transcriptionist, Omega Limited, Thiruchirapalli

33. Give details of student enrichment programmes (special lectures/workshops/ seminar) with external experts.

Sl. No.	Programme	Topic
1	Seminar	Special lecture on Nanotechnology by Dr.Kumaran, Periyar Maniammai University, Thanjavur 14 <sup>th</sup> Feb 2011.
2	Seminar	Special lecture on Scope and importance of biochemistry for I year students by Dr. M.Kalaivani, 5 <sup>th</sup> March 2013
3	Special lecture	Special lecture on statistical analysis by Prof. Murugesan, 2 <sup>nd</sup> April 2014
4	Special Lecture	SPSS package for PG and research scholars by Dr.P. Mariappan, Asst. Prof., Dept. of Zoology, RSG College, Thanjavur. 8 <sup>th</sup> April 2014
5	Seminar	Stress management by Dr.Velavan, Associate Professor, Maruthupandiyar College of Arts & Science, Thanjavur. 18 <sup>th</sup> March 2015

34. List the teaching methods adopted by the faculty for different programmes.

- Lectures
- Power point presentation
- Assignments
- Chart preparation and exhibition
- Group discussion
- Tutorial
- Class test
- Seminar for UG & PG students

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department met this by observing the attainment of relevant knowledge, trends in their semester results. Their participation in curricular activities like seminar participation and paper presentation, higher studies and placements are also suggestive of realization of programme objectives.

Monitoring Continuous Internal Assessment tests and end analysis of end semester results give the necessary inputs to assess whether learning outcomes are attained.

36. Highlight the participation of students and faculty in extension activities.

Participation of students and faculty in Ebola virus awareness campaign (2014) and anti-plastic awareness campaign (2015)

37. Give details of “beyond syllabus scholarly activities” of the department.

Medical Awareness Camp – Investigation of Dengue fever and Ebola virus infection among the people of Manojipatti area, Thanjavur on 08.10.2014

38. State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**Strength:**

- Qualified and Experienced staff members,
- Research guidance,
- Regular Participation and organizing National level conferences.
- Guiding and motivating the students for competitive examinations.
- Sufficiently funded for Equipments/Glassware/chemicals.
- Syllabus is enriched with topics related to NET/SLET examinations.

**Weakness:**

- Insufficient class rooms and lab facilities to carryout research activities.
- Students are from Tamil medium and hence face difficulty in teaching and learning.
- Students are from rural and backward area with poor financial background.

**Opportunities:**

Placement in

- Clinical Laboratories, Food Industries Quality Controllers
- Pharmaceutical Industries,
- Research Institutes, Clinical trial manager,
- Medical Transcription and medical coding.

**Challenges:**

- Students are from rural area and they are not able to pursue their Master Research Degree and face problem to study in abroad due to financial crisis. They are in a position to earn after their under-graduation. They are very poor in communication too.
- Thus, we have a great challenge in motivating the students for their better communication skill and for their better placements in various industries.

**40. Future plans of the department.**

- Development of infrastructure facilities
- Establishment of research laboratories
- To obtain minor and major projects from state and central agencies.



## DEPARTMENT OF BUSINESS ADMINISTRATION

1. Name of the department & its year of establishment:

Department of Business Administration; 2003

2. Names of Programmes/ Courses offered:

Sl. No.	Name of the Course	Medium	Duration in Years	Part Time/ Full Time
1	Bachelor of Business Administration –Shift I	English	3	Full Time
2	Bachelor of Business Administration-Shift II	English	3	Full Time
3	M. Phil. in Business Administration	English	1	Full Time
4	M. Phil. in Business Administration	English	2	Part Time
5	Ph. D. in Management	English	3 (PG qualification) 2 (PG with M. Phil.)	Full Time
6	Ph. D. in Management	English	4 (PG qualification) 3 (PG with M. Phil.)	Part Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/ choice based credit system (programme wise):

- Semester System with CBCS for BBA and M. Phil.
- Course work and dissertation as per the guidelines of the affiliating university for Ph.D.

5. Participation of the department in the courses offered by other departments

Sl. No.	Department	Course	Subject
01	Statistics	B. Sc.	Marketing Management
02	Biochemistry	B. Sc.	Marketing Management
03	English	B. A.	Advertising and sales promotion

6. Number of Teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Sanctioned Teaching Post	Filled Posts			Vacant
	Associate Professors	Assistant Professors	Guest Lecturers	
8	Nil	3	5	0

## 7. Faculty profile with name, qualification, designation, specialization.

Sl. No.	Name	Qualification	Designation	Specialization	No of years of experience	No of Ph.D. students guided for the last 4 years
01	Dr.V.Nagajothi	B. Sc., M.B.A,, Ph.D., SLET,	Asst. Professor	Marketing	17	8
02	Dr.V.Suresh Kumar	M.B.A, M. Phil., M.L.M., Ph.D.,	Asst. Professor	Marketing, HR &Finance	11	8
03	Dr. S. Sasikumar	M.B.A, M. Phil., Ph. D., D. Agri.,	Asst. Professor	Marketing & HR	14	8
04	Dr. T. Nedumaran	MBA, M. Phil., Ph.D.,	Guest Lecturer	Marketing & System	13	--
05	Ms. P. Maheshwari	M. Com., MBA, M. Phil. (Bus. Admin), M. Phil. Commerce	Guest Lecturer	Marketing & Accounts	07	-
06	Ms. J. Bhuvana	MBA, M. Phil.,	Guest Lecturer	HR & Marketing	07	-
07	Mr. G. Rameshkumar	M. Com., MBA, M. Phil. (Bus. Admin), M. Phil. Commerce	Guest Lecturer	Marketing & Accounts	06	-
08	Mr. A. Stalin	M. Com., MBA, M. Phil.,	Guest Lecturer	Marketing & Accounts	05	

8. Percentage of classes taken by temporary faculty (programme-wise information)

I Shift- 025%  
II Shift- 100%

9. Programme wise Student-Teacher Ratio

B. B. A. = 35:1  
M. Phil. = 05:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	-	-
02	Administrative Staff	-	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National		
Name of the faculty	Agency Amount	Title
Dr. V. Suresh Kumar 2014-2015	UGC Rs 80000	Moderating Effects on Service Quality in Housing Finance Institutions in Tamil Nadu.

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Nil

13. Research Centre / facility recognized by the University

M. Phil.: Bharathidasan University, Ref No: 22019/D9/2012, Dt. 21.08.2012

Ph. D. : Bharathidasan University, Ref No: 027244/D9/2011, Dt. 03.12.2011

14. Publications:

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of papers published in peer reviewed journals (national/international)	03	03	05	11	21
Chapters in Books:	1	-	-	-	1
Number listed in international database	-	-	-	-	-
SCOPUS	-	-	-	-	-
Web of Science	-	-	-	-	-
EBSCO	-	-	-	-	-
Citation index - range / average	-	-	-	-	-
Impact Factor - range / average	1	1	2	1	-
h-index	-	-	-	-	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies:

a) Refresher Course

Staff	Name of the course & Institute	Period	
		From	To
Dr. V. Suresh Kumar	Refresher Course on Commerce and Management UGC-ASC Bharathidasan University, Thiruchirapalli	17.07.2014	06.08.2014
Dr.S.Sasikumar	Refresher Course on Current issues and emerging practices in management UGC-ASC Madurai Kamaraj University, Madurai	07.02.2014	27.02.2014

b) Orientation Course

Staff	Institute	Period	
		From	To
Dr.V.Nagajothi	Tamil Nadu State Council for Higher Education and UGC-ASC University of Madras, Chennai	04.05.2011	02.06.2011
Dr.V.Suresh Kumar	Tamil Nadu State Council for Higher Education and UGC-ASC University of Madras, Chennai	04.05.2011	02.06.2011
Dr.S.Sasikumar	Tamil Nadu State Council for Higher Education and UGC-ASC University of Madras, Chennai	04.05.2011	02.06.2011

c) Faculty Development Programme

Staff Name	Institute	Period
Ms. P.Maheswari	Annai Group of Institutions Kumabakonam	28.01.2012
Ms. J .Bhuvana	Annai Group of Institutions Kumabakonam	28-01-2012
Mr.Rameshkumar	Annai Group of institutions Kumabakonam	28-01-2012
	Trinity Business School, Thanjavur	07.03.2012

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards.

Sl. No.	Faculty Name	Details
01	Dr. V. Nagajothi	Member-Madras Management Association Member-Indian Society for Training and Development, New Delhi Advisory Committee Member, Research Explorer-International Journal (ISSN 2250-1940)
02	Dr. V. Suresh Kumar	Associate Editor, Research Explorer- International Journal (ISSN 2250-1940)
03	Dr. S. Sasikumar	Associate Editor, Research Explorer- International Journal (ISSN 2250-1940)

19. 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 department i.e.in Research laboratories/Industry/ other agencies : Nil

20. Awards / Recognitions received by faculty and students: Nil

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding

Level	Funding Agency	Title of Seminar/Conference/Workshop
<b>2012-2013</b>		
National	UGC	National Conference in Recent Trends in Management Practices (Feb-25,26-2012) NCRMP
<b>2013-2014</b>		
National	Ministry of Corporate Affairs, New Delhi.	ICSI, SIRC (22.07.2014) Investor Awareness Programme

22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>2010-2011</b>												
Shift-I	38	19	57	-	-	-	-	-	-	-	-	-
Shift-II	29	27	56	-	-	-	-	-	-	-	-	-

2011-2012												
Shift-I	39	18	57	-	-	-	-	-	-	-	-	-
Shift-II	36	21	57	-	-	-	-	-	-	-	-	-
2012-2013												
Shift-I	35	25	60	-	-	-	10	5	15	11	11	22
Shift-II	44	14	58	-	-	-						
2013-2014												
Shift-I	41	24	65	-	-	-	6	8	14	1	1	2
Shift-II	35	22	57	-	-	-						
2014-2015												
Shift-I	47	18	65	-	-	-	5	3	8	-	-	-
Shift-II	37	25	62	-	-	-				-	-	-

### 23. Diversity of Students

All the students studying in our department belong to the home state of Tamil Nadu and no student/scholar has been from other states and abroad during the assessment period.

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.:  
Data Not Available

### 25. Student progression (%)

Student progression	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	41	60	66	70
PG to M. Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post Doctoral	-	-	-	-
Employed	2  38	4  10	5  12	5  18
Govt.				
Private				
• Campus selection				
• Other than campus recruitment				
Entrepreneurship/Self-employment				

### 26. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	66.66
From other universities within the states	33.33
From other universities from other states	-

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period

Name of the faculty : Dr. T. Nedumaran  
 Designation : Guest Lecturer  
 Degree : Ph. D.  
 Year of Award : May-2012

28. Present details about Infrastructural facilities

- a) Library: No of books = 408
- b) Internet facilities for Staff & Students: Internet Connection with Wi-Fi
- c) Total number of class rooms: 3
- d) Class rooms with ICT facility: 1
- e) Student Laboratories: Nil
- f) Research Laboratories: Nil

29. Number of students receiving financial assistance from college, university, government or other agencies: 350 Students

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: Nil

31. Does the department obtain feedback from?

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Based on the feedback received from the faculty the syllabus has been updated to meet the requirements of the corporate and industrial sectors.

To improve the overall output in teaching-learning-evaluation the department organizes periodical monthly tests, weekly assignments apart from model and end semester examinations. Based on the result analysis if there is any underperformer, they are given special coaching by their respective subject teachers. LCD projector is made available in the department which is used for presentations and teaching.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Based on the feedback received from the students the syllabus has been updated/modified to fulfill the requirements of the corporate and industrial sectors. In the new syllabus (2015-16 onwards), we have incorporated application oriented subjects such as Profit Planning and Control, Customer Relationship Management, Services marketing etc. The subjects were meticulously chosen which are application oriented to prepare the students to apply the knowledge in various functional areas of management.

Student feedback on teaching-learning-evaluation helps the department to identify the hard spots where more attention is needed. The department has taken the following steps to improve the process of teaching-learning-evaluation:

- Efforts are taken to improve the communication skills of the students
- Power point presentations are used to supplement the lectures
- Study materials are provided to the students.
- Periodical tests are conducted and the results are analyzed to assess the overall performance of the students.
- Internet facility is made available through Wi-Fi connectivity to all the students. The students are given laptops by the state government free of cost. It is a great boon to the poor students who can have free access to internet to browse and download e-content without any hassle.
- The UGC-INFLIBNET can be accessed from the department itself. It is very useful to research scholars.

c) Alumni and employers on the programmes and what is the response of the department to the same?

Yes. Most of our alumni are employed in pharmaceutical industry, nonbanking financial companies and government departments including Indian Airforce. Most of our alumni who have obtained doctoral degree in management are employed as Assistant Professors in various self-financing arts and science colleges in Tamil Nadu. Our alumni are interested to provide employment opportunities for our BBA students in the industry where they work.



32. List the distinguished alumni of the department:

S.No	Name	Designation	Department & Place
1	N. Murali	Airmen	Indian Air force, Port Blair
2	R. Muthamiz Selavan	Village Administrative Officer	Revenue Dept., Budalur
3	S. Sathya	Armed Reserve Police	Police Dept., Pudukkottai
4	R. Mohanraj	Constable	Police Dept., Sengippatti
5	S. Amala	Armed Reserve Police	Police Dept., Ariyalur
6	N. Karthik	Branch Manager	Mutual Benefit Fund, Kandarvakkottai
7	V.Mani	Training Advocate	Lawyer, Thanjavur
8	S. Stephen	Manufacturer	Nissan Car, Chennai
9	N.Vignesh	Asst. Director	Vijay TV, Chennai
10	S. Kaliyamoorthi	Area Manager	ICPA, Chennai

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts.

- Prof. Thangaraj, Maruthupandiyar College, delivered a guest lecture entitled "Time Management" on 14.03.2012.
- Mr. Nammalvar, Agri Scientist delivered a talk on Agri Business to our students on 14.03.2012.
- Investors Awareness Programme on Financial Market was jointly organized by Company Secretary Institute of India and Ministry of Corporate Affairs, Government of India, New Delhi held in our college on 22.07.2014
- Personality Development training programme organized by Junior Chamber International on 14.08.2014.

34. List the teaching methods adopted by the faculty for different programmes

- Lecture method
- Case Studies
- Business Games
- Mind mapping-methodology is adopted to impart theoretical subjects to all the UG students.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The attainment of programme objectives is monitored by assessing the participation of the students in co-curricular, and other scholarly activities, progression in higher studies, research and employment in corporate sector in managerial positions.

Students are periodically monitored for development of soft skills, good communication skills and man management skills. The Language Lab of the Department of English is used to train our students in communication skills and soft skills.

To monitor the learning outcomes of the students, the department organizes periodical monthly tests, weekly assignments apart from model and end semester examinations.

Based on the result analysis if there is any underperformer, they are given special coaching by their respective subject teachers.

36. Highlight the participation of students and faculty in extension activities.

Our students participate in NSS, NCC and Youth Red Cross as part of the curriculum under Part- IV.

Highlights of our students in extension activities:

- P. Ananthakumar participated in Pongal Vizha celebrated by Tamilnadu Government in New Delhi in 2012
- SUO. M. Jagadeesan, participated in Indian Republic day parade held in New Delhi in the year 2013.

37. Give details of “beyond syllabus scholarly activities” of the department.

- Encourage the students to appear for IBPS examination.
- Special coaching classes are organized for UGC NET exam & TNPSC Group IV exam preparation.
- Encourage the students to appear for professional courses like MBA,ACS, CA,CFA and ICWA.

38. State whether the programme/department is accredited/graded by other agencies. Give details. Nil

39 Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### **Strengths**

- Qualified faculty.
- UGC-INFLIBNET Digital library.
- WIFI connectivity.
- Highly committed students.

**Weaknesses**

- First generation Students undergoing higher education in our Department.
- Inability of our students to learn in English-as-most of them comes from Tamil Medium background.

**Opportunities**

- To help and assist our students to go for higher studies in various PG courses.
- To impart high quality higher education in Management.
- To encourage them to become managers/experts in various functional areas of management.

**Challenges**

- As students hail from rural area they find it hard to communicate in English.
- There are a few dropouts in all the classes due to financial crisis in the family or loss of one or both parents.

**40. Future plans of the department.**

- Plan to introduce more innovative research programmes in Business Administration.
- Plan to organize more national and international seminars and conferences.
- Encouraging the staff members to apply for UGC Sponsored Minor and Major Projects.
- Utilizing UGC funds to construct additional class rooms, laboratories and rest rooms for students.

### DEPARTMENT OF BOTANY

1. Name of the department & its year of establishment:

Department of Botany & 1960

2. Names of Programmes/Courses: Nil; Allied Department

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments

Sl. No.	Department	Course	Papers
01	Biochemistry	B. Sc. Biochemistry	Allied Botany-I Allied Botany-II Allied Botany Practical-III
02	Zoology	B. Sc. Zoology	Allied Botany-I Allied Botany-II Allied Botany Practical-III

6. Number of Teaching posts sanctioned and filled (Professors/ Associate Professors/ Asst. Professors)

Sl. No.	Post	Sanctioned	Filled
01	Assistant Professors	1	1
02	Associate Professors	-	-
03	Professors	-	-

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No of years of experience	No of Ph.D. students guided for the last 4 years
01	Dr.M.Jawahar	M.Sc., Ph.D.,	Assistant Professor	Plant Biotechnology	13	1

8. Percentage of classes taken by temporary faculty-programme-wise information - Nil

9. Programme wise Student -Teacher Ratio - Nil

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	01	01
02	Administrative Staff	-	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil

13. Research Centre / facility recognized by the University - Nil

14. Publications:

\* a) Publication per faculty (attach separately)

Category	2010-2011	2011-2012	2012-2013	2013-2014
No. of papers published in peer reviewed journals national/international)	2	4	1	2
Chapters in Books:	-	-	-	-
Number listed in international database	-	-	-	-
SCOPUS	-	-	-	-
Web of Science	-	-	-	-
EBSCO	-	-	-	-
Citation index - range/average	-	-	-	-
Impact Factor - range/average	-	-	-	-
h-index	-	-	-	-

15. Details of patents and income generated - Nil

16. Areas of consultancy and income generated - Nil

17. Faculty recharging strategies -

Sl.No.	Name of the programme	Institute	Date
01.	Orientation course	Bharathiyar University, Coimbatore	26.12.2007-24.01.2008
02.	Refresher course	Bharathidasan University, Tiruchirappalli	11.08.2010-31.08.2010
03	Short Term Course	Bharathidasan University, Tiruchirappalli	25.03.2011-27.03.2011

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards - Nil

19. Student projects - NA

20. Awards / Recognitions received by faculty and students - Nil

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding. Nil

22. Student profile programme/course wise: - Nil

23. Diversity of Students - Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? - Nil

25. Student progression (%). NA

26 Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	100
From other universities within the states	0
From other universities from other states	0

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period

Nil

28. Present details about Infrastructural facilities

a) Library – 594 Books

b) Internet facilities for Staff & Students - Nil

c) Total number of class rooms - Nil

d) Class rooms with ICT facility - Nil

e) Student Laboratories - 1

f) Research Laboratories - Nil

29. Number of students receiving financial assistance from college, university, government or other agencies - Nil

30 Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. - Nil

31. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

### **Curriculum**

- Introduced one unit of biotechnology and its applications and plant tissue culture in the present syllabus.

### **Teaching-Learning-Evaluation**

- Lectures are supplemented with demonstration in the natural habitat of plant species, presentations with diagrams, charts, and samples.
- Class tests are conducted after the completion of every unit.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? – Feedback from students

Yes. Feedback is obtained through interaction with students and questionnaires.

Based on the feedback objective type questions are given to the students and methods to gather information to tackle such questions are taught. This is very helpful for the students to prepare for competitive examinations.

- Study materials are provided to the students
- Lectures are delivered in both English and Tamil to help the students understand the lectures clearly.

c) Alumni and employers on the programmes and what is the response of the department to the same? - Nil

32. List the distinguished alumni of the department (maximum 10). Nil

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts. Nil

34. List the teaching methods adopted by the faculty for different programmes. -

- Lectures
- Discussion
- Demonstration

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Course objectives and learning outcomes are monitored through

- Students interaction
- Feedback from the external examiners
- Continuous Internal Assessment
- End semester examinations

36. Highlight the participation of students and faculty in extension activities.

Nil

37. Give details of “beyond syllabus scholarly activities” of the department.

Plant collection, observation in local area

38. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Nil

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department -

#### **Strengths**

- Lab
- Library
- Qualified faculty,
- Availability of species for demonstration

#### **Weaknesses**

- Inadequate staff both teaching and technical.



**Opportunities**

- Employment opportunities in fields of medicine, biotechnology, biochemistry and agriculture.

**Challenges**

- Non availability of bio- industries in the region
- Inadequate communication skills of the students

40. Future plans of the department.

- Starting UG & PG Courses in the department.

## DEPARTMENT OF BIOTECHNOLOGY

1. Name of the department & its year of establishment:

### Department of Biotechnology & 2013

2. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D., etc.)

Sl. No.	Name of the Course	Medium	Duration	Part Time/ Full Time
1.	B.Sc.	English	3 years	Full Time

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments:

Department	Course	Subject
Statistics	B.Sc. (Statistics)	Health Education
Biochemistry	B.Sc. (Biochemistry)	Health Education

6. Number of teaching posts:

Sl. No.	Post	Sanctioned	Filled
01.	Assistant Professors	04	02 (Temporary Faculty)
02.	Associate Professors	--	--
03.	Professors	--	--

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. etc.):

Dr. K.M. Subbu Rathinam, Assistant Professor in the PG and Research Dept. of Zoology is acting as the Head of the Department as additional charge.

Sl. No.	Name	Qualification	Designation	Specialization	Teaching Experience (yrs)	No of Ph.D. students guided in the last 4 years
01.	Dr. K. GIRIJA	M. Sc. (Biotech) M. Sc. (Bioinformatics) Ph. D.	Guest Lecturer	Marine Biotechnology	2	-
02.	S. KOKILAVANI	M. Sc.(Biotech) PG. Dip. in Bioinformatics. CSIR-JRF-NET, ICMR, GATE,	Guest Lecturer	Cancer cell Biology	-	-

8. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

UG: 100%

9. Student -Teacher Ratio (programme wise): 28:2

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	1	1
02	Administrative Staff	--	--

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

13. Research Centre / facility recognized by the University: Nil

14. Publications:

Details	2012-2013	2013-2014
<b>Dr. K.Girija</b>		
Publications	1	8
Chapters in Books	-	
Number listed in international database	-	1
SCOPUS	-	-
Web of Science	-	-
EBSCO	-	-
Citation index - range /average	-	8
Impact Factor - range /average	-	0.9
h-index	-	2

15. Details of patent and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies:

Sl. No	Name	Workshop attended	National conference	International conference
1.	Dr. K. Girija	2	7	3
2.	Ms. S. Kokilavani	1	1	2

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

19. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: NA

b) Percentage of students placed for projects in organizations outside the department i.e.in Research laboratories/Industry/ other agencies: NA

20. Awards / Recognitions received by faculty and students: Nil

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding: Nil

22. Student profile programme/course wise:

Year	No of students enrolled											
	UG			PG			M. Phil.			Ph.D.		
	M	F	T	M	F	T	M	F	T	M	F	T
2013-2014	4	3	07	--	--	--	--	--	--	--	--	--
2014-2015	12	9	21	--	--	--	--	--	--	--	--	--

23. Diversity of Students:

Name of the course	% of students from the same state	% of students from other States	% of students from abroad
<b>2013-2014</b>			
B. Sc. Biotechnology	100	--	--
<b>2014-2015</b>			
B. Sc. Biotechnology	100	--	--

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Nil

25. Student progression (%): Not applicable (This course was started only in 2013)

26. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	50
From other universities within the states	50
From other universities from other states	-

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit during the assessment period: One

28. Present details of Infrastructural facilities:

a) Library:

In the department library 143 books are available related to the Curriculum, General Knowledge and Competitive exams.

b) Internet facilities for Staff & Students:

At present the department is sharing the ICT facilities of the Zoology department.

c) Total number of class rooms: 2

d) Class rooms with ICT facility:

Virtual lab and audio visual room are used for power point presentations/teaching

e) Student Laboratories: 1 (Lab cum class room)

f) Research Laboratories: Nil

29. Number of students receiving financial assistance from college, university, government or other agencies:

All the students are receiving community wise scholarships (BC/MBC/SC/ST and Minority) from Tamil Nadu state government fund.

Scholarship Details				
Category	BC	MBC	SC/ST	Total
<b>2013-2016 Batch</b>				
I year (2013-14)	2	-	5	7
II year (2014-15)	2	-	5	7
<b>2014-2017 Batch</b>				
I year (2014-15)	7	4	9	20

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:

The college is offering UG and PG courses in zoology and biochemistry in biological sciences. The students who apply for these courses every year express their desire to have a course in biotechnology which can offer opportunities for interdisciplinary studies and specialization in animal and plant biotechnology. Motivated by the interest expressed by both the students

and their parents the PG and Research Department of Zoology conducted a survey through a questionnaire. Based on the inputs from the questionnaire and the informal interaction with the aspirants and the parents, efforts were taken to start a UG course in Biotechnology.

In Tamil Nadu only a few Government Arts and Science colleges offer recent science subjects like Microbiology and Biochemistry. Moreover Thanjavur region is rich in flora and fauna and is geographically located in the Cauvery Delta which provides ample scope for biological studies and research. It can also open a wide range of employment opportunities in the field of plant and animal biotechnology. So, we planned to have a Biotechnology department in our college to help the students from the rural background to study Biotechnology. The curriculum of the Biochemistry department in our college was studied by us meticulously and this helped us in developing our own curriculum.

31. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Based on the feedback from the learned teaching fraternity the following changes have been made in the curriculum and syllabus:

#### **Curriculum:**

- Biochemistry paper (Allied) was shifted to the second year from the first year since it was difficult for the students to handle the paper effectively in the first year.
- Industry application oriented papers Bioprocess Technology and Environmental Biotechnology have been added.

#### **Teaching-Learning-Evaluation**

- Internet facility has been activated and it helps in teaching students via animations.
- After the discussion in the staff meeting, Quiz competition has been included to study the attentiveness of the students after every class.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Based on the feedback from the students the lectures are delivered in both Tamil and English. Study materials are supplied in simple English. As per students' request, more PowerPoint presentations are worked in to lectures and animations are shown to them to make them understand the subject effectively. Curriculum has also been modified after careful evaluation of their performance in semester examinations.

c) Alumni and employers on the programmes and what is the response of the department to the same? Nil

32. List the distinguished alumni of the department (maximum 10): Not applicable

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts:

Students actively participate in other departmental seminars to enrich and develop their knowledge.

- A Soft Skills and Employability Workshop on the title “Learner to Leader” was conducted by JCI (Junior Chamber International) trainers on 14<sup>th</sup> August, 2014 funded by JCI Chapters of Thanjavur.
- **Youth-led Development Outreach Programme - Seminar on “Health and Healthy Life Style”** conducted by Department of Zoology, Rajah Serfoji Government College for SC/ ST students, **on 30-01-2015.**

34. List the teaching methods adopted to improve student learning:

Lectures are delivered bilingually, because most of the students have come from rural areas with Tamil as their medium of studies in their school life. Group discussion, interaction, power point presentations and seminars are being organized to enhance the standard and ability of the students.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The first batch of the students is yet to pass out of the college. However, the interest they show in understanding the course content, and enquiring about further knowledge show the program objectives will be realized successfully in future. Through continuous assessment tests, student seminars, assignments and quiz programs the attainment of learning outcomes are monitored.

36. Highlight the participation of students and faculty in extension activities:

Biotechnology students actively participate in NSS/RRC/YRC/Sports activities in our college.

The HOD in-charge of the department Dr. K.M. Subbu Rathinam, acted as the co-ordinator for Red Ribbon Club of this college for three years from 2010-2013. During the period various awareness programmes on AIDS and blood donation were organized.



37. Give details of “beyond syllabus scholarly activities” of the department:

Students are motivated to attend seminars, workshops, special lectures, and other programmes conducted by other science departments of our college and other institutions. A science exhibition is planned this academic year.

38. State whether the programme/ department is accredited/ graded by other agencies. Give details: Nil

39. Detail any five Strength Weakness, Opportunities and Challenges (SWOC) of the department:

**Strength:**

- Competent, dedicated and qualified faculty.
- There are plenty of employment opportunities in government and private R&D sectors.
- Adequately equipped laboratory and a library.

**Weakness:**

- Most of our students are coming from Tamil Medium back ground and they find it difficult to cope with the classes taught in English.
- Maximum students are from poor economic background and they have trouble in concentrating because of their domestic constraints.

**Challenges:**

- To enhance communication skills of the students.
- To motivate the students to undertake self employment relevant to our subjects.
- To create awareness among the students about health care, hygiene and immunization.

40. Future Plans of the department:

- To start Post Graduate program.
- To conduct National and International Seminars.
- To conduct Inter-collegiate Biotechnology meet.
- To encourage students to take part in summer training programmes conducted in universities and biotech companies.
- To motivate students to participate in competitions held by other colleges.
- Taking students on industrial visits.
- Conducting science exhibitions.

## DEPARTMENT OF HISTORY

1. Name of the department & its year of establishment:

**Department of History & 1957**

2. Names of Programmes/Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D., etc.): Nil

3. Interdisciplinary courses and the departments/units involved: Nil

4. Annual/ semester/choice based credit system (programme wise):

Semester System with CBCS

5. Participation of the department in the courses offered by other departments

Sl. No	Paper	Course	Department
01	இந்திய சுதந்திர போராட்டம் (History of Indian Freedom Struggle)	B. A.	Tamil
02	History of Indian Freedom Struggle Contemporary India History of Tamil Nadu (1800-1947)	B. A.	Economics

6. Number of Teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

In government colleges the teaching posts are sanctioned only in the cadre of Assistant Professors and only on time bound promotion the Assistant Professors reach the cadre of Associate Professors. There is no sanction of posts in the cadre of Associate Professors and Professors.

Sl. No.	Sanctioned Teaching Post	Filled Posts			Vacant
		Associate Professors	Assistant Professors	Guest Lecturers	
	01	01	---	--	--

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No	Name & Qualification	Designation	Specialization	No of years of experience	No of Ph.D. students guided for the last 4 years
01	R. Govindaraju M.A., M. Phil., B.Ed.	Associate Professor	Pachayatraj	19	--

8. Percentage of classes taken by temporary faculty-programme-wise information: Nil

9. Programme wise Student -Teacher Ratio: NA

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	No. of	Sanctioned	Filled
01	Technical Staff	-	-
02	Administrative Staff	-	-

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

12. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

13. Research Centre / facility recognized by the University: Nil

14. Publications:

Particulars	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of papers published in peer reviewed journals (national/ international)	-	2	-	-	-
Chapters in Books:	-	-	-	-	-
Editing books	-	-	-	-	-
Books with ISBN no with details of publishers	-	-	-	-	-
Number listed in international database	-	-	-	-	-
SCOPUS/EBSCO	-	-	-	-	-
Citation index – range / average	-	-	-	-	-
Impact Factor – range / average	-	-	-	-	-
h-index	-	-	-	-	-

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies (courses attended): Nil

Participated in seminars and symposia

18. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

19. Student projects: NA

20. Awards / Recognitions received by faculty and students: Nil

21. Seminars (S)/ Conferences (C)/Workshops (W) organized & the source of funding: Nil

22. Student profile programme/course wise: Nil

23. Diversity of Students: Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

25. Student progression (%): Nil

26 Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	100
From other universities within the states	0
From other universities from other states	0

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Lit. during the assessment period: Nil

28. Present details about Infrastructural facilities:

a) Library: 260 Books

b) Internet facilities for Staff & Students: - Sharing the internet facility of Economics Department

c) Total number of class rooms: - NA

d) Class rooms with ICT facility: Nil

e) Student's Laboratories: NA

f) Research Laboratories: NA

29. Number of students receiving financial assistance from college, university, government or other agencies: NA

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: NA

31. Does the department obtain

a) Feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

History of Tamil Nadu has been included in the curriculum to give exposure to the students to regional history and culture.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Feedback is obtained through interaction with students and questionnaires.

Based on the feedback objective type questions are given to the students and methods to gather information to tackle such questions are taught. This is very helpful for the students to prepare for competitive examinations.

c) Alumni and employers on the programmes and what is the response of the department to the same?

Feasibility is being studied to incorporate a paper on Indian history with 100% objective type questions to help the students prepare for competitive examinations.

32. List the distinguished alumni of the department: NA

33. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil

34. List the teaching methods adopted by the faculty for different programmes.

Lectures, discussion, debate

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The achievement of the program objectives is evident through the success rate of the students in competitive examinations conducted by agencies like TNPSC and the interest shown by the students to join courses in law.

The learning outcomes are monitored by conducting class tests, slip tests, midterm examination, and model examinations and from the results of the end semester examinations.

36. Highlight the participation of students and faculty in extension activities.

- NSS Programme Officer (2008- 2010)
- Coordinator- Youth Red Cross (2011-2012)
- Member- College Sports Committee (2010-2012)

37. Give details of “beyond syllabus scholarly activities” of the department.

Visits to tourist centers for enrichment of knowledge in tourism.

Date	Class	Places of visit	Source of funding
28.01.2011	I B.A. Economics	Gangaikonda Cholapuram, Tranqubar, Poompuhar, Chidambaram	UGC Autonomous fund

38. State whether the programme/ department is accredited/ graded by other agencies. Give details.

No

39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**Strength:**

- Qualified permanent faculty
- Separate library

**Weakness:**

- Absence of regular courses offered by the department

**Opportunities:**

- Civil services oriented syllabus

**Challenges:**

- Infrastructure

40. Future plans of the department.

- To offer UG and PG course in History

## Post Accreditation Initiatives

### Part I:

Recommendations of the Peer Team during the Second Cycle of Accreditation in 2007.

*Keeping in view of the future development of the institution the Peer Team recommends the following for the consideration of the institution.*

As suggested in the previous report, further motivation is required to take up research in the campus.

During the assessment period a lot of initiatives have been undertaken to motivate and develop the research aptitude among the staff and students. After the second cycle of reaccreditation M. Phil. and Ph. D. programmes have been started in 9 departments. At present, more than 200 scholars are pursuing their Ph. D. programs in the college. Faculty members are encouraged to apply for research projects to various funding agencies. 06 major research projects and 08 minor research projects have been completed. 01 major research project and 11 minor research projects are going on. Students are also encouraged and guided to apply student's research project sponsored by various funding agencies. During the assessment 18 students projects have been completed. Under various projects 10 research laboratories have been established.

*The lack of a full-fledged gymnasium is to be looked into.*

A gymnasium is planned in the multipurpose auditorium for which a proposal has been sent to the state government.

*The beautification of the vast campus by planting trees and landscaping demands more attention.*

A lot of saplings have been planted to increase the green cover on the college campus. The young trees and the saplings that are coming up stand testimony to the sustained efforts of the students and staff.

Nearly 50% of the teachers are working on temporary basis (guest lecturers).

The Director of Collegiate Education appointed 25 faculties in 2007, 24 in 2008, 38 in 2009 and 19 in 2011 making the total number of permanent faculty as

131 against the sanctioned strength of 165. Apart from this 23 posts have been sanctioned for the newly started courses in shift II system. Appointment of permanent faculty for courses conducted in shift two will be done by the government and until then the college management has been granted permission to appoint guest lecturers as per the norms given by the DCE.

*All undergraduate courses (other than Tamil, Botany and Commerce) show results which are not to the level of expectations, require serious attention.*

Remedial courses are conducted for those who have difficulty in understanding the course content and study materials are prepared and distributed to them. Under the tutorial system the academic progress of the students is closely monitored by the tutors and necessary help is rendered to the students to improve their performance. The tutorial system and the remedial programmes help improve their success rate of the students in completing the course.

*It is advisable to have a better percentage of funds allocation to the library in the budget.*

The funds earmarked by the state government and the UGC for the development of library is being spent on the purchase of books and journals.

*The reading room in the library can be bigger to accommodate more students.*

A proposal has been sent to the state government for the construction of a new library block where all the modern facilities and a spacious reading hall will be created.

*Reprographic and Internet facilities need to be provided in the library.*

Photocopying facility is made available in the library, the department library, the digital library and the student cooperative stores. Internet facilities with WiFi connection are provided in the digital library where students go and browse and take print outs. All the departments are also provided with internet with WiFi connectivity which is beneficial to both staff and students.

*Students may be given open access to the books.*

The library also needs to be kept open during vacations to help postgraduate and research students.



The general library is kept open during vacation to help postgraduate and research students.

*Non-teaching staff strength needs to be augmented in view of the increasing needs with the introduction of various self-financing courses.*

07 number of non-teaching staff have been appointed on permanent basis and 15 non-teaching staff have been appointed on temporary basis.

*The student progression demands some more attention.*

The tutorial system and the career and placement cell take lot of initiatives in guiding the students to choose from various options for career and higher education.

*Being a big college, hostel facilities for women also are desirable.*

The state government is giving free hostel facilities to the college students through its various welfare schemes. There is a free women's hostel run by the state government near the college where our girl students from far off places are accommodated.

## **Part II:**

*Other initiatives taken for the development of the college*

After the second cycle of reaccreditation the college has started 16 UG courses, 6 PG courses, 9 M. Phil. programmes and 19 Ph. D. programmes.

Two add on courses i) Certificate Course in Solar Cell Fabrication and Testing and ii) Certificate Course in Robotic Training and Teaching are offered by the Physics department.

Hall Tickets and Cumulative mark statements with student photograph are issued to the students.

Multimedia Language Laboratory has been established in 2009.

Digital Library has been established in 2009.

A Virtual Laboratory has been established to utilize the virtual science-experiments created by the MHRD. This nodal centre has been established with the UGC grant during XII plan.

Computer Science Block and a Class Room Block to accommodate Commerce and Business Administration were constructed in the ----.

3 Pucca RCC roofed additional class rooms were constructed in the Zoology Block in the year 2012 from the Local Area Development fund.

5 additional class rooms are constructed within the existing infrastructure in the academic year 2013-2014 and 2014-2015.

The auditorium has been given a face lift in the year 2011. A new permanent PA system and a ceiling mounted LCD system have been installed. A new generator has also been installed in 2014.

A 15 KV generator has been installed in the main building in 2014.

Student amenities like purified drinking water and toilet facilities have been improved.

To ensure the peaceful and safe campus environment close circuit cameras have been installed on the campus.

## ANNEXURE

### Annexure 3.1

Major papers presented by staff in regional, national and international conferences

#### Biochemistry

##### Dr. K.Jeyaprakash

01. Presented a paper entitled PLA an ecofriendly package in food industry in an International conference on Food Technology, on 4-5 Jan 2013, IICPT, Thanjavur.
02. Delivered an invited lecture on Global warming and its impact on biodiversity in Bharathidasan Constituent College for Women, Orathanad on 19.09.2014.
03. Delivered a lecture on Biodiversity and its conservation on 19.12.2014, J.J College of Arts and Science, Pudukottai.
04. Delivered a lecture on Downstream Processing conducted by Department of Biotechnology, Bon Secours College, Thanjavur on 03-04.03.2014.

##### Dr. R. Senthil Kumar

01. Delivered a special lecture on Immunobiology in the state level symposium on New Vistas in the Life Sciences organized by Acharya Arts and Science College, Puducherry, on 29th Oct 2010.
02. Delivered a guest lecture on "Fight against Diabetes" in the Seminar series of life sciences at Dhanalakshmi Srinivasan Womens College, Perambalur, held on 30th September 2013.
03. Delivered a special lecture on "Enhancement of innate immune mechanism by TNFR ligand mediated reverse signaling" in the Department of Biochemistry, Srimad Andavan Arts and Science College, Thiruchirapalli on 4th October 2013.

##### Dr. T. Malarvili

01. Strategies for Busy working Mothers UGC sponsored National seminar on Social entrepreneurship and corporate Social Responsibility (CSR) - role in Women Development held on Mar 27th and 28th 2010. Departments of women studies, Bharathidasan University, Tamil Nadu, India.
02. Antidiabetic effect of Tectona grandis L. on alloxan induced diabetic albino rats. DST sponsored National seminar on Phytotherapeutics held on Mar 29th and 30th 2010. St. Joseph College, Trichy, Tamil Nadu, India.

03. Paper Presented on "Study of Serum Megnesium in Type-2 Diabetes Mellitus" in one day state level seminar on "Modern Trends in Biological Sciences-Towards Human Health and Disease", at Rajah Serfoji Government College, Thanjavur on 17th February 2012.
04. Paper Presented in the National Conference on "Advances in the Management and Prevention of Clinical Disorders due to Malnutrition", at Rajah Serfoji Govt College, Thanjavur on 7th and 8th February 2013.
05. Delivered a lecture on Phytotherapeutics in Obesity at Shrimathi Indira Gandhi College, Tiruchirappalli on 22.07.2011.

### **Dr. C. Aiyavu**

01. Presented a research paper entitled "The protective effect of protein diets on experimentally induced hepatocellular carcinoma in Swiss albino mice", at American Association for Cancer Research Annual meeting held at Chicago from March 31st to April 4th, 2012.
02. Presented a paper entitled "Evaluation of radio protective and genoprotective effect of solarie, an herbal formulation" in the National conference on the role of free radicals in health and diseases, organized by the Department of Biochemistry, University of Madras, Chennai, India on 27th and 28th January, 2012.
03. Delivered a lecture in the National conference on Natural Resources and Human Health" organized by the P.G and Research Department of Biochemistry and Chemistry, Enathi Rajappaa College, Pattukkottai, Tamil Nadu on 29th and 30th October 2012.
04. Presented a paper entitled "Immunomodulatory effect of Garlic protein isolate on cyclophosphamide induced mice" in a National conference on Advances in the management and prevention of clinical disorders due to malnutrition, organized by the Department of Biochemistry, Rajah Serfoji Govt. College (Autonomous), Thanjavur, Tamil Nadu during 7th and 8th February, 2013.
05. Presented a paper entitled "antimicrobial studies of Azadirachta indica and Adhatoda vasica in a International conference on sustainable utilization, management and conservation of bioresources" organized by Department of Botany, St. Joseph's College (Autonomous), Tiruchirapalli, Tamilnadu, India on 10th and 11th January, 2013.
06. Presented a paper entitled "Hybridization of gold ore tailing contaminated soil for the betterment of cultivation" in the International conference on sustainable utilization, management and conservation of bioresources" organized by Department of Botany, St. Joseph's College (Autonomous), Tiruchirapalli, Tamilnadu, India on 10th and 11th January, 2013.

07. Presented a paper in the National Seminar on "Biochemistry in Health and Environment" held on 9th March, 2013, organized by PG & Research Department of Biochemistry, St, Joseph's College of Arts and Science (Autonomous), Cuddalore.

### **Chemistry**

#### **Mr.K.Rajarajan**

01. Growth and characterization studies of succinic tartrate doped with ferrous sulphate, \*K.Rajarajan, G.Madhurambal, J.Samusolomon, USSE-2013 UGC sponsored national seminar organized by the Department of chemistry, T.B.M.L. College, Porayar.
02. Growth and characterization studies on diphenyl amine-picrate-A nonlinear optical crystal, \*K.Rajarajan, A.Anandhi, K.R.Dhanalakshmi alias Reka, J.Samusolomon, G.Madhurambal, GCGP-2013 UGC sponsored national seminar organized by the Department of chemistry, ADM College for Women, Nagapattinam.
03. Growth and characterization studies on acetamide-picrate doped copper sulphate-A nonlinear optical crystal, \*K.Rajarajan, K.R.Dhanalakshmi alias Reka, A.Anandhi, J.Samusolomon, G.Madhurambal, GCGP-2013 UGC sponsored national seminar organized by the Department of chemistry, ADM College for Women, Nagapattinam.
04. Spectral Diffraction and optical Properties of succinic-picrate doped with copper sulphate-A nonlinear optical crystal, \*K.Rajarajan, G.Madhurambal, GCGP-2013 UGC sponsored national seminar organized by the Department of chemistry, ADM College for Women, Nagapattinam.
05. Growth and characterization of nonlinear optical crystal of picric acid and acetamide, \*K.Rajarajan, G.Madhurambal, S.Kalyanasundaram, J.Samusolomon, GCGP-2013 UGC sponsored national seminar organized by the Department of chemistry, ADM College for Women, Nagapattinam.
06. X-ray Diffraction and spectroscopic studies on acetamide-Tartrate-A nonlinear optical crystal, \*K.Rajarajan, S.Kalyanasundaram, G.Madhurambal, J.Samusolomon, GCGP-2013 UGC sponsored national seminar organized by the Department of chemistry, ADM College for Women, Nagapattinam.
07. Synthesis growth and characterization of thio-urea picrates-A nonlinear optical crystal, \*K.Rajarajan, G.Madhurambal, J.Samusolomon, USSE-2013 UGC sponsored national seminar organized by the Department of chemistry, T.B.M.L. College, Porayar.

#### **Dr.T.Rajkumar**

01. Presented a scientific paper in the National conference on Advanced Polymers, Fibers and Fabrics (APF2-2011) held at DMSRDE, Kanpur, India during December 26-28, 2011.

**Dr.C.Kathiravan**

01. Presented a research paper in the National seminar on new Frontiers in chemistry, organized by Department of chemistry, Annamalai University, Annamalainagar March 15 &16, 2010.

**Dr.M.Vellaisamy**

01. Presented a poster entitled Kinetics of oxidation of  $\alpha,\beta$ -unsaturated alcohols by imidazolium dichromate in the national conference on Advances in organic and Physical chemistry, organized by the Department of chemistry, University of Calicut, Kerala during 22-23 March 2012.

**Dr.M.Ravishankar**

01. Presented a research paper in the National seminar on new Frontiers in chemistry, organized by Department of chemistry, Annamalai University, Annamalainagar March 15 &16, 2010.

**Dr.Ilangeswaran**

01. Presented a paper on Chemical oxidative synthesis and characterization of polyDiphenylamine-Metal Nano composites and their characterization in UGC Sponsored National seminar on Resent Trends in Polymer and Green Chemistry, 2-3rd February 2012 organized by Rajah Serfoji Govt. College (Autonomous), Thanjavur.
02. Presented a paper on Synthesis and Characterization of poly(diphenylamine-co-phenylhydrazine) at International Seminar on Resent Advances in Textile and Electrochemical Sciences, March 21-23, 2013 organized by Department of Industrial Chemistry, Alagappa University, Karaikudi.

**Ms.P.Sangeetha**

01. Presented a paper entitled The green synthesis of silver nano particle using curica papaya fruit extract, organized by A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur.

**Ms. M.Mangalam**

01. Presented a paper on Synthesis and Spectral characterization of some NiS<sub>2</sub> NP and NiS<sub>2</sub> PC chromophores containing Divalent nickel and S,P,N,C Donors at National conference on From University to Industry; Fostering Interest in Chemistry Among the Students held on 25 & 26 September, 2014.
02. Presented a paper entitled One pot synthesis and characterization of simvastatin sulphate using microwave radiation at National seminar organized by PG and

Research Department of Chemistry, A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur on 29-30, December-2014.

**Ms.N.Punitha**

01. Presented a paper entitled Bioavailability enhancement of Atorvastatin calcium by Microwave assisted Sulphonation at National seminar organized by PG and Research Department of Chemistry, A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur on 29-30, December-2014.

**Prof.G.Manimegalai**

01. Presented a paper entitled Green synthesis of silver nano particles using talinum paniculatum extract and their antimicrobial activity at National seminar organized by PG and Research Department of Chemistry, A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur on 29-30, December-2014.

**Commerce**

**Mr. S. Shanmugam**

01. Marketing Research in the Emerging Global Scenario. Impact of Mobile Services Marketing in India. 24.09.2011. Sri Venkateshwara College of Arts and Science, Peravurani.

**Dr. V. Pugalenth**

01. An analysis of claims of Indian Health Insurance Industry during 2009-2010, ICMR& TNSCST Sponsored International seminar at Rajah Serfoji Govt College, Thanjavur. 16.12.2010 and 17.12.2010.
02. A study on awareness of Health Insurance among life insured women. ICMR & TNSCST Sponsored International seminar at Rajah Serfoji Govt College, Thanjavur, 16.12.2010 and 17.12.2010.
03. A Study on Significance of Public Expenditure on Health and Family Welfare. UGC-National level, Rajah Serfoji Govt College, Thanjavur. 27.04.2013 and 28.04.2013.
04. Indian Health Insurance Claims-A Macro Level Analysis. UGC-National level. Rajah Serfoji Govt College, Thanjavur. 25.02.2013 and 26.02.2013.
05. A study on significance of public expenditure on Health and family welfare. UGC National level, Rajah Serfoji Govt College, Thanjavur. 27.04.2013 and 28.04.2013.
06. Second Green Revolution balancing ecology with economy. UGC National level AVVM Pushpam College, Poondy. 24.03.2012 and 25.03.2012.
07. A study on contribution of FDI to Indian Economic Development. UGC National level Govt College, Kumbakonam (W). 24.02.2012.

08. A study on Fishery resources and management with special reference to Tamil Nadu. UGC National level K.N. Govt College, Thanjavur. 06.02.2012 and 07.02.2012.
09. The scope for cross selling of Health Insurance among the life insured women. UGC National level Naina Mohammed College, Pudukottai. 09.09.2011.
10. Catastrophe insurance for gross national happiness. UGC National level Naina Mohammed College, Pudukottai. 28.06.2011 and 29.06.2011.
11. Retail – A Sunrise sector of the Indian Economy. UGC National level Rajah Serfoji Govt College, Thanjavur. 20.06.2011 and 21.06.2011.
12. Role of Insurance sector Investment in 2009-2010 in ensuring financial health of the Government. UGC National level Rajah Serfoji Govt College, Thanjavur. 30.01.2011 and 31.01.2011.
13. Reliable Grievance Redressal System-Key to Insurance Marketing. National level-Adaikalamatha Institute of Management, Vallam. 28.01.2011.
14. CRM in Indian Life Insurance Industry. National level – Srimad Aadhvan College of Arts & Science, Thiruchirapalli. 18.12.2010.
15. HRM Challenges in Indian Insurance sector. National level –Srimad Aadhvan College of Arts & Science, Thiruchirapalli. 18.12.2010.
16. Customer Relationship Management in Indian Health Insurance sector. National level – Srimad Aadhvan College of Arts & Science, Thiruchirapalli. 18.12.2010.
17. Role of Women in Public life. A SWOT Analysis. National level Queen Mary's College, Chennai. 04.02.2010.

### **Dr.R.P.Ramesh**

01. Recent Trends in Capital Markets and Financial Innovations-International. Forecasting Efficiency of S&P CNX Index Option. Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli. 09 and 10.01.2010.
02. Global Financial Crisis and Its Impact on Indian Economy - National. Effectiveness and Weakness of Online Trading through Credit Card in the Current Era. PG & Research Department of Commerce & Administration, Sri Venkateshwara College of Arts & Science, Peravurani. 20.03.2010.
03. The significance of Marketing in India State Green Marketing – The New Profitability Mantra. 01.10.10. Department of Commerce & Economics, Adaikalamatha College, Vallam, Thanjavur.
04. Human Resource Management in Tourism Development-National-Impact of Human Resource in Medical Tourism. 18.10.2010. Department of Commerce and



Business Administration, Aadhavan College of Arts and Science, Aalathur, Manapparai.

05. Symposium on Entrepreneurship Workshop (Priximo Empesario 10')-National Symposium. 29 and 30.10.2010. PRIST School of Business, PRIST University, Thanjavur.
06. Health Economics & Management International Medical Tourism: Evolving Global Health Bazaar. 16 and 17.12.2010. PG & Research Dept. of Economics, Rajah Serfoji Govt. College (Aut.) Thanjavur.
07. Emerging Dimensions of Service Sector in the Indian Context-National. Emergence of leading Telecom Service Development for Mobile Networks. 18.02.2011. Dept. of Business Administration, St. Xavier's College (Aut.), Palayamkottai.
08. Advanced Data Analysis, Business Analytics and Economics Intelligence. National. Win Win Business Strategies for Sustainable Development-Environmental Marketing. 20 and 21.06.2011. PG & Research Dept. of Economics, Rajah Serfoji Govt. College (Aut.) Thanjavur.
09. Economic Impact on Post Tsunami in Bay of Bengal. National. Role of SHG's in Socio-Economic Changes in Nagapattinam District- Post Tsunami. 28 and 29.06.2011. PG & Research Dept. of Economics, Rajah Serfoji Govt. College (Aut.) Thanjavur.
10. Recent Trends in Service Marketing in India. National. On-line Services Marketing in India. 09.09.2011. Dept. of Commerce and Business Administration, Naina Mohamed College of Arts and Science, Rajendrapuram.
11. Right to Education for the Differently Abled Persons in Higher Education. National Workshop. 10.10.2011. IECD, Centre for Differently Abled Persons, Bharathidasan University, Tiruchirappalli.
12. Health Economics and Management. International. Health Care Management Issues in India. 15 and 16.12.2011. PG & Research Dept. of Economics, Rajah Serfoji Govt. College (Aut.) Thanjavur.
13. Health Economics and Management. International. Herbal-Based Health Benefits for Diabetes. 15-16.12.2011. PG & Research Dept. of Economics, Rajah Serfoji Govt. College (Aut.) Thanjavur.
14. Innovations in Management. National Innovations in Banking Services. 15.02.2012. Department of Business Administration, Bharath College of Science and Management, Thanjavur.
15. International Challenges of Global Entrepreneurship in the 21st Century. Women Entrepreneurship in India – Problems and Prospects. 30 and 31.08.2012. PG and Research Dept. of Commerce, Bon Secours College for Women, Thanjavur.

16. International Challenges of Global Entrepreneurship in the 21st Century. International Women Entrepreneurs and SHG's. 30 and 31.08.2012. PG and Research Dept. of Commerce, Bon Secours College for Women, Thanjavur.
17. Business Innovations in the Globalisation Era. International Innovations of B to B Markating. 22.09.2012. PG and Research Dept. of Commerce, A.V.V.M Sri Puspham College, Poondi.
18. Business Innovations in the Globalisation Era International. A Study on devaluation of rupee and its impacts in Domestic Production and Income. 22.09.2012. PG & Research Dept. of Commerce, A.V.V.M Sri Puspham College, Poondi.
19. Services Sector in India - An Analysis. National Marketing Strategy and Subsidy Administration of Oil and Gas Service Sector. 16.03.2013. Dept. of Mgt. Studies and PG & Research Dept. Commerce, Bharath College of Science and Management, Thanjavur.
20. Services Sector in India - An Analysis National. A Study on Investors Perception towards Mutual Funds. 16.03.2013. Dept. of Mgt. Studies and PG & Research Dept. Commerce, Bharath College of Science and Management, Thanjavur-5.
21. New Dimensions in Commerce and Industry in the Globalised Era. International. Role of LPG in Rural Market. 22.02.2014 Dept. of Mgt. Studies and PG & Research Dept. Commerce, Bharath College of Science and Management, Thanjavur.
22. New Dimensions in Commerce and Industry in the Globalised Era. International. A Study on Investors Awareness on Mutual Funds at SBI Mutual Fund. 22.02.2014. Dept. of Mgt. Studies and PG and Research Dept. Commerce, Bharath College of Science and Management, Thanjavur.

### **Computer Science**

#### **Dr. M. Chidambaram**

- 01 Presented a paper entitled "A Short Survey on document Similarity Measures and its Algorithms" in International Conference on Research Trends in Computer Science held on 13th & 14th August 2013 organized by Department of computer Science & IT and Computer Application, Sri Kanyaka Parameswari Arts and Science College For Women, Chennai.
02. Presented a paper entitled "Software Re-Engineering Concepts" in International Conference on Research Trends in Computer Science held on 13th and 14th August, 2013 organized by Department of computer Science and IT and Computer Application, Sri Kanyaka Parameswari Arts and Science College for Women, Chennai.
03. Presented a paper entitled "Application of Knowledge Repository and Mapping in knowledge Management" International Conference on Recent Trends in Computer

Applications Proceeding on 27th and 28th September 2013 organized by the Department of Computer Science, Hindustan College of Arts and Science, Chennai.

04. Recomender Systems in Ecommerce: Opportunities. International conference on problems and prospects of E-Commerce on 25th & 26th July 2014, organized by the Department of Commerce, V.H.N. Senthikumara Nadar College( Autonomous) Virudhunagar.
05. A Study on Recommender System and its Challenges. National Conference on Advanced Research Techniques in Information Technology on 7th November 2014 organized by Department of Information, Technology G. Venkataswamy Naidu College, Kovilpatti , Tamil Nadu.
06. Approaches in Recommender System. National Conference on Recent Trends in Computer Science on 22nd August 2014. organized by Department of Computer Science K.C.S Kasi Nadar College of Arts & Science, Chennai.

### **Economics**

#### **Dr. C. Sunitha**

01. An analysis of claims of Indian Health Insurance Industry during 2009-2010. ICMR and TNSCST Inter National level Rajah Serfoji Govt College, Thanjavur. 16.12.2010 and 17.12.2010.
02. A study on awareness of Health Insurance among life insured women. ICMR and TNSCST Inter National level. Rajah Serfoji Govt College, Thanjavur. 16.12.2010 and 17.12.2010.
03. CRM in Indian Life Insurance Industry. Shine Trust - National level Srimad Aadhvan College of Arts and Science, Thiruchirapalli. 18.12.2010.
04. HRM Challenges in Indian Insurance sector. Shine trust National level. Srimad Aadhvan College of Arts and Science, Thiruchirapalli. 18.12.2010.
05. Customer Relationship Management in Indian Health Insurance sector. Shine Trust. National level. Srimad Aadhvan College of Arts and Science, Thiruchirapalli. 18.12.2010.
06. Role of Women in Public life. A SWOT Analysis. National level Queen Mary's College, Chennai. 04.02.2010.
07. A Study on Impact of Organic agriculture on food availability. UGC National level. Jamal Mohammed College, Thiruchirapalli. 23.09.2011 and 24.09.2011.
08. Role of public distribution system in ensuring food security. UGC National level. Jamal Mohammed College, Thiruchirapalli. 23.09.2011 and 24.09.2011.

09. A study on impact of food insecurity on Health. UGC National level Jamal Mohammed College, Thiruchirapalli. 23.09.2011 and 24.09.2011.
10. Catastrophe insurance for gross national happiness. Earth Science Ministry sponsored National level seminar. Rajah Serfoji Govt College, Thanjavur. 28.06.2011 and 29.06.2011.
11. Retail – A Sunrise sector of the Indian Economy. UGC National level Rajah Serfoji Govt College, Thanjavur. 20.06.2011 and 21.06.2011.
12. Role of Insurance sector Investment in 2009-2010 in ensuring financial health of the Government. UGC National level Rajah Serfoji Govt College, Thanjavur. 30.01.2011 and 31.01.2011.
13. Grievance Redressal System-Key to Insurance Marketing. AMIM National level. Adaikalamatha Institute of Management, Vallam. 28.01.2011.
14. Second Green Revolution balancing ecology with economy. UGC National level. AVVM Pushpam college, Poondy. 24.03.2012 and 25.03.2012.
15. A study on contribution of FDI to Indian Economic Development. UGC National level. Govt College Kumbkm(W). 24.02.2012.
16. A study on Fishery resources and management with special reference to Tamil Nadu. UGC National level K.N. Govt College, Thanjavur. 06.02.2012 and 07.02.2012.
17. A Study on significance of public expenditure on Health and family welfare. UGC National level Rajah Serfoji Govt College, Thanjavur. 27.04.2013 and 28.04.2013.
18. Study on Current Status & Trend of Indian Public Sector Enterprises. UGC National level Jamal Mohammed College, Thiruchirapalli. 22.01.2013

### **Dr. P. Natarajan**

- 01 A Global Strategy Treats the World as a single market – a view. Regional level seminar, Adaikalamatha College, Thanjavur. 01.10.2010.
02. A Study on Health Status in Tamilnadu. Indian Economic Association seminar, Bharathi Vidyapeeth University, Puna. 27.12.2011.
03. The Role of Social Sector in the Development of the Economy, National Seminar. Tagore Arts College, Puducherry. 20.01.2012.
04. Present Position of Financial Inclusion in Scheduled Commercial Banks in India. National seminar. St. Joseph's College (Aut), Trichy. 13.02.2012.
05. Reform Perspective of Public Expenditure on Agriculture of Government of Tamilnadu, National Seminar. AVVM Sri Pushpam College, Poondi. 24.03.2012.

06. Micro Finance – A Performance Appraisal, National Seminar. ADM College for Woman (Aut), Nagappattinam. 30.03.2012.
07. Studies on the Trends in incidence of Poverty, National Seminar. Periyar University, Salem. 27.10.2012.
08. Consumer preference for aavin milk with Special reference to Thanjavur District, National Seminar. R.S.G.College, Thanjavur. 31.12.2012.

### **Dr. G. Basker**

01. Presented a paper entitled “Rural children health in Thanjavur” in ICMR Sponsored National Seminar at Arignar Anna Govt. Arts College, Attur, Salem on 16 and 17.12.2010.
02. Presented a paper entitled “Food insecurity in India” in a UGC National seminar held at Jamal Mohamed College (Aut), Thiruchirapalli on 23 and 24.09.2011.
03. Presented a paper “Federal Finance” in a UGC National seminar held at R.S.G. College (Aut), Thanjavur on 28 and 29.02.2011.
04. Presented a paper entitled “Economics Growth Reforms to Transportation” in a UGC National level seminar held at Govt. Arts College (Aut), Kumbakonam, 27 and 28.01.2012.
05. Presented a paper entitled “Technological Progress in Agriculture” in a UGC national seminar held at A.V.V.M Sri Pushpam College (Aut), Poondi on 24 and 25.03.2012.

### **Dr. T. Mahendran**

01. Presented a paper entitled “Impact of microfinance business in India” at UGC sponsored National Seminar on Advanced data analysis, business analytics and economics intelligence, Rajah Serfoji Government College, THanjavur on 25th and 26th March, 2010.
02. Presented a paper entitled “An analysis of food security in India” at UGC sponsored national seminar on food insecurity held at Jamal Mohamed College, Thiruchirapalli on 23rd and 24th September 2011.
03. Presented a paper entitled “Food security in India under 11th Plan” in a UGC sponsored national seminar on second green revolution, held at AVVM Sri Pushpam College, Poondi, Thanjavur on 24th and 25th March 2012.
04. Presented a paper entitled “Rural marketing problem in India” in the UGC sponsored national seminar on Rural Marketing in India: Issues and challenges held on 26th and 27th September 2014 at Urumu Dhanalakshmi College, Thiruchirapalli.

05. 04. Presented a paper entitled "Poverty and unemployment" in the UGC sponsored national seminar on Comprehensive study on Indian Economy held on 10th February, 2015 at Jamal Mohamed College, Thiruchirapalli.

### English

#### Dr. R. Parthipan

01. Presented a paper entitled Quest for Liberation in Rabindranath Tagore's Mukta-Dharain, in a 2-day (02.03.2012 to 03.03.2012) International Conference, Sri Venkateshwara College of Education, Peravurani.
02. Presented a paper entitled Cross Culturalism in Uma Parameshwaran's Sita's Promise and Rootless But Green are the Boulevard Trees, in a 2-day (07.03.2012 to 08.03.2012) UGC sponsored International Conference, Bharathidasan University, Thiruchirapalli.
03. Presented a paper entitled Cultural and Social Consciousness in Uma Parameshwaran's Rootless But Green ar the Boulevard Trees and Rahul Varma's Equal Wages, in a 2-day (12.03.2012 to 13.03.2012) UGC sponsored National Conference, Nirmala College for Women, Coimbatore.
04. Presented a paper entitled Dichotomy between Religion and Science in Mukta-Dhara and The Life of Galileo - a comparative study. in the International Conference on Literatures of the East and the West in Translation, The H H Rajah's College, Pudukkottai, (28.03.2012).

#### Mr.G.Arunachalam

01. The Threats for the Existence of Tamil Due to the Impact of English, Published in the proceedings of "National Level Seminar on Endangered Languages in India(UGC SAP- CAS- IV) Annamalai University, 21-22, January, 2011.
02. A Study on the Problems of the Rural Medium Based College Students in Developing Their Spoken Skills in English and Finding Solutions to Them, Abstract published in the proceedings of "The National Workshop on Doing Research in ELT: Methodologies, Applications& Challenges" Department of English, Loyola College, Chennai, 01 & 02, December 2011.
03. Quest for the Legacy of Ethnic Identity in Linda Hogan's poems, Voices in the Wilderness, Vol IV, Department of English, Rajah Serfoji Govt. College, Thanjavur, 2013, UGC Sponsored International Conference on Humanistic Approach in Modern Literature in English.

#### Mr. T. Devaraj

01. Presented a paper on Voice of the Voiceless - A Realisistic Study of Bama's Karukku in the one day international level conference on Literatures of the East and the West in Translation held H.H. The Rajah's College Pudukkottai on 28th March 2012.

02. Presented a paper on Problematics of Self and Society in Saul Bellow's Herzog in the international conference on Humanistic Approaches in Modern literature in English held on 21st March 2013 at Rajah Serfoji Govt. College Thanjavur.
03. Delivered invited talk on Urban Rural Amalgamation in Modern Literature, A Humanistic perspective in State Level Seminar held at Sri Vidya Mandir Arts and Science College Uthangarai, Krishnagirion 24th April 2013.
04. Delivered invited talk on Pragmatic ways of Learning English Literature held on 13.02.2014 at Edayathangudy G.S. Pillay Arts and Science College, Nagappattinam.

### **Dr. L. Rajesh**

- 01 Presented a paper in an International conference on 2nd January 2011 entitled Tagor's Vision on Nature in Poetry conducted by Sri Venkateshwara College of Arts and Science, Peravurani, Thanjavur.
02. Presented a paper on Bharathidasan's Service in Cinema in a seminar conducted by the Department of Translation, Tamil University Thanjavur on 29th April 2010.
03. Presented a paper on A Study on Names of Television Media in a seminar conducted by the Department of Translation, Tamil University Thanjavur on 12th October 2010.
04. Presented a paper on An Introduction to the Translation of Bharathidasan's Works in a seminar conducted by the Department of Translation, Tamil University Thanjavur on 19th April 2011.
05. Presented a paper on Bharathidasan's view on nationality in a seminar conducted by the Department of Translation, Tamil University Thanjavur on 28 and 29th April 2013.
06. Presented a paper on Bharathidasan- a poet of nature in a seminar conducted by the Department of Translation, Tamil University Thanjavur on 30th April 2012.
07. Presented a paper on Bharathidasan's views on women's Education in a seminar conducted by the Department of Translation, Tamil University Thanjavur on 30th April 2013.
08. Presented a paper in an International conference on 21st March 2013 entitled Theme of humanism in selected short stories of Tagore conducted by Rajah Serfoji government college, Thanjavur.
09. Presented a paper in a national seminar on 7th August 2013 entitled A comparative study of P.B.Shellys to the Skylark and Bharathidasan's Vanampadi conducted by HH Rajahs's college, Pudukkottai.

10. Presented a paper on Famous last words as an Example of Historiography Meta-Fiction in an international seminar conducted by the Department of English, H.H.The Rajah's college, Pudukkottai on 6th September 2013.
11. Delivered a lecture on Natural language processing in a training programme organized by linguistic data consortium for Indian languages, central institute of Indian language, Mysore in collaboration with the department of computer science and Engineering, Periya Maniammai University, Thanjavur.
12. Delivered a lecture on Corpus based dictionary workshop organized by linguistic data consortium for Indian languages, central institute of Indian language, Mysore in collaboration with the department of English, Rajah Serjoji government college, Thanjavur.
13. Presented a paper on Themes and Attitude of Diasporic literature in a State level seminar organized by Research department of English, M.R.Govt. Arts College, Mannargudi on 29th January 2015.
14. Presented a paper on Feministic Outlook in Chetan Bhagat's Novels in a National Conference organized by A.V.V.M. Sri Pushpam College, Poondi, Thanjavur on 10th September 2014.
15. Presented a paper in an International conference on 15th March 2014 entitled River of Life in Gita Mehta's River Sutra conducted by Sri Venkateshwara College of Arts and Science, Peravurani, Thanjavur in collaboration with Sahitya akademi, New Delhi.

### **Dr. P. Thiyagarajan**

01. Relevance of the Social and Political Atrocities in Khushwant Singh's: Train to Pakistan. The International Conference on Indian Writing in English, at Sri Venkateswara College of Education, Peravurani.2014.
02. Bharathidasan and Wordsworth as Lover of Nature, Seminar, Tamil University, Thanjavur on 30.04.2012.
03. Sylvia Plath as a Confessional Poet, The National Seminar on 21 and 22 Feb 2012, Annamalai University, Chidambaram.
04. Bharathidasan - A Lover of Nature, Seminar, Tamil University, Thanjavur, on 29.04.2011.
05. Sarojini Naidu as a Nature Poet, National Level Seminar hosted by H.H.The Rajah's College, Pudukkottai on 22.3.2011.
06. The Role and Significance of Poetry in the process of Communication Skills, The workshop conducted by English Language Teachers' Association of India, Thanjavur Chapter on 2nd and 3rd of October, 2010.



07. The Philosophical Thoughts of Shakespeare in As you Like It", National Level Seminar hosted by H.H.The Rajah's College, Pudukkottai on 12.3.2010.
08. Ariviyal Edugalin Thanmaigalum Thiranaivugalum: Tamil, Dept of Translation, Tamil University, Thanjavur on 12.10.2010.
09. Humanism in the Poems of Shelly and Bharathidasan, One Day National Seminar on Comparative Literature, sponsored by TANSCH: H.H.The Rajah's College, Pudukkottai.

#### **Dr. L. Bhaskaran**

01. Presented a paper Ethics and Corruption in Society in UGC sponsored national seminar conducted by Gobi Arts and Science College, Erode, on 20-21 August 2011.
02. Presented a paper Children and Human Rights in UGC sponsored national seminar conducted by Gobi Arts and Science College, Erode on 16-17 September 2011.
03. Presented a paper "Learning Strategies for the academically under - privileged learners - Implications" in a national conference on Zealous language Teaching organized by the Department of English and Foreign languages, SRM University on 26th March 2012 in Chennai.

#### **Ms. D. Umamaheshwari**

01. Humanism in Mulkraj Anand's Untouchable-one day International Conference on Humanistic Approach in Modern Literature in English (March 21, 2013), Rajah Serfoji Government college, Thanjavur.

### **Mathematics**

#### **Dr. P. Senthilkumar**

01. Presented four papers entitled "A Stochastic Model For The Secretion Of Blood Glucose Intype 2 Diabetic Subjects", "Fuzzy Model For Testosterone And Cortisol Responsiveness To Winning And Losing Experiences In Female Games" "fuzzy modeling for the effect of rhIL-6 infusion on growth hormone" and "Stochastic Model to find the Expected Deterioration of Cortisol Secretion of Metastatic Breast Cancer Using Gamma Distribution" in an International Conference held at ST. Peter's College, Kolenchery, Kerala, during 11th and 14th 2014.
02. Presented a paper entitled "Stochastic Model to find the time factor of cortisol secretion of Breast cancer using weibull Distribution" at ICOMAC, 2014. Proceedings ISSN 0973-0303, pg:572-579, Jamal Academic Research Journal.

**Dr. K. Muthugurupackiam**

01. Paper entitled "Total Face Irregularity strength of Plane Graphs", Presented in Two Day National Seminar in Recent Trends in Distance in Graphs, Ayya Nadar Janaki Ammal College, Sivakasi, March 12 - 13, 2012.
02. Presented a paper entitled "On Face Irregular Total Labelling of Plane Graphs" in National conference on Labelling and Decompositions of Graphs organized by Department of Mathematics, The Madura College, Madurai, held during August 29-30, 2013.
03. Paper entitled "Total Face Irregularity strength of Plane Graphs", Presented in Two Day National Seminar in Recent Trends in Distance in Graphs, Ayya Nadar Janaki Ammal College, Sivakasi, March 12-13, 2012.
04. Paper entitled "Total Face Irregularity strength of Plane Graphs", Presented in the Two Day National Seminar in Recent Trends in Distance in Graphs, Ayya Nadar Janaki Ammal College, Sivakasi, March 12 - 13, 2012.

**Mr. Mohamedharif**

01. Present a paper entitled " $n$  - Fuzzy  $n$  - Normed Linear Space" in International Conference on Emerging Trends in Mathematics and Computer Applications on 19th to 20th December, 2010, Mepco - Schlenk Engineering College, Sivakasi.
02. Present a paper entitled "Fuzzy Model for Testosterone and Cortisol Responsiveness to Winning and losing Experience in Female Game" in International Conference on Advances in Applied Probability, Graph Theory and Fuzzy Mathematics on 11th to 14th January, 2014, St. Peter's College, Kolenchery, Kerala.

**Physics****Dr. A. Thiruvalluvar**

01. Presented an invited talk on "X-ray Crystal Structure Determination" and acted as a Chair Person in the DST & UGC Sponsored National Seminar on Theoretical and Chemical Sciences (TACS 2008) during 22nd & 23rd February 2008, organized by Department of Chemistry, Annamalai University, Annamalai Nagar.
02. Delivered a lecture on "X-ray Crystal Structure Determination" in the UGC-SAP & CSIR sponsored Lecture-Workshop programme on Synthetic and Structural Chemistry (SASC 2009) during 21st & 22nd March-2009, organized by Department of Chemistry, Annamalai University, Annamalai Nagar.
03. Presented an invited talk on "X-ray Crystal Structure Determination" in the National Seminar on Recent trends in Crystal Growth & Nano Materials (NSCGNM - 2013) in support with Indian Association for Crystal Growth and Centre for Nanoscience and Technology, Anna University, Chennai during 13th & 15th March

2013, organized by PG and Research Department of Physics, National College (Autonomous), Tiruchirappalli – 620 001, Tamilnadu.

04. Presented an invited talk on “X-ray Crystal Structure Determination” in the UGC (Autonomous Grant) & SERB Sponsored National Conference on Perspectives in Materials Science (NCPMS – 2013) during 6th& 7th August 2013, organized by PG Department of Physics, Government Arts College for Women (Autonomous), Pudukkottai – 622 001, Tamilnadu, South India.
05. Presented a Technical Session on X-ray Crystallography in the UGC (Autonomous Grant) SERO Sponsored National Workshop on Emerging Trends in Materials Science during 30th& 31st August 2013, organized by PG Department of Physics, Poompuhar College (Autonomous), of the Tamilnadu H.R. & C.E. Admn. Dept, Melaiyur, Tamilnadu.
06. Acted as a resource person in the UGC (Autonomous Grant) Sponsored Workshop on 3D Structure Determination of Small Molecules on 10th October 2013, organized by PG Department of Physics, Government Arts College for Women (Autonomous), Pudukkottai – 622 001, Tamilnadu, South India.
07. Acted as a resource person and delivered a lecture on Nano Materials and Applications” at One Day State Level Seminar on Recent Advances in Materials and its Impact held on 28th February 2014 organized by C.V. Raman Club and PG Research Department of Physics, Thanthai Hans Roever College, Perambalur-621 212.

#### **Dr. Veerarathinamurugan**

01. Presented a paper on Dielectric and conductivity studies of pure and doped PVC at Microwave frequencies at Institute of Technical education and Research (ITER), Bhubaneshwar, Odisha on 17th - 19th December, 2012.

#### **Dr. L.Chinnappa**

- 01 Nanocrystalline doubly doped tin oxide films deposited using a simplified and low-cost spray technique for solar cell applications. International Conference on Recent Advances in Biomaterials, Saveetha School of Engineering, 17-18, December-2010, Saveetha University, Chennai, Tamil Nadu, India.
- 02 Influence of solvent volume on the electrical, structural and optical properties of antimony doped tin oxide films fabricated using a low-cost spray technique. International Conference on Thin Films and Applications, 15-17 March-2012, School of Electrical and Electronics Engineering, Sastra University, Thanjavur, Tamil Nadu.
- 03 The combined effects of concentration of the precursor solution and doping level on the structural and electrical properties of sprayed Fluorine doped tin oxide films for photovoltaic applications. International Conference on Advanced Materials and Applications (ICAMA-2011) March 4-5, 2011. Department of Physics, Kalasiligam Univerty, Krishnankoil, Tamilnadu.

- 04 Effect of solvent volume on the physical properties of SnO<sub>2</sub>:Sb thin films. National Seminar on Recent Trends in Crystal Growth and Nano Materials (Sponsoring Agency: UGC) 15-17 March- 2012, Department of Physics, National College, Tiruchirappalli, Tamil Nadu, India.
- 05 Fabrication of doubly doped (Fluorine+ Antimony) tin oxide films using a low-cost spray technique", National Conference on Advances in materials Science, (Sponsoring Agency: UGC, CSIR and TNSCST), 1-2 March- 2012, Department of Physics, Annamalai University, Chidambaram, Tamil Nadu.
- 06 Influence of doping level on the physical properties of tin doped zinc oxide nanopowders synthesized by a soft chemical method, National Conference on Advances in materials Science, 1-2 March- 2012, Department of Physics, Annamalai University, Chidambaram, Tamil Nadu, India.
- 07 Effect of solvent volume on the optical constants of SnO<sub>2</sub>:F films", National seminar on Advances in Materials Science, 23-24 January-2012, (ISBN:978-93-81402-22-1), Department of Physics, Manonmanium Sundaranar University, Tirunelveli, Tamil Nadu, India.
- 08 Combined effect of molar, concentration and doping level on structural, electrical and optical properties of fluorine incorporated SnO<sub>2</sub> films deposited using a simplified spray method for solar cell applications. National Seminar on Renewable Energy- an Amazing Resources, 20-21 January- 2011, Department of Physics, ADM College, Nagappattinam, Tamil Nadu, India.
- 09 Role of Doping level on the Physical properties of Sn doped ZnONanopowders synthesized by simple chemical bath technique", National Conference on Emerging Trends in Chemistry, 11th January-2012, Dept. of Chemistry, Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu, India.
- 10 Investigations on doubly doped (F+Sb) tin oxide films deposited by simplified spray pyrolysis technique", National conference on Recent Advances in Materials and Technology, 6-7 January -2012, Department of Physics, Sathiyabama University, Chennai, Tamil Nadu, India.
- 11 Electrical and optical properties of spray deposited SnO<sub>2</sub>:F films, National conference on Perspectives in Laser, Optics, Spectroscopy & Nanoscience, 14th February-2011, Department of Physics, Bishop Heber College, Tiruchirappalli, Tamilnadu.
- 12 Effect of annealing on the electro - optical properties of tin doped ZnO thin films. UGC and SERB Sponsored National conference on perspectives in Materials Science (NCPMS - 2013) 6th & 7th August 2013. P.G. Department of Physics, Government Arts College for Women, Pudukkottai, Tamilnadu.
- 13 Effect of Precursor Material and Annealing Treatment on Structural and Optical Properties of Silar Deposited ZnOFilms. National Seminar on Technologically

Important Crystalline and Amorphous Solids (TICAS – 2014) 28th February & 1st March 2014. Department of Physics, KalasiligamUnivertiy, Krishnankoil,Tamilnadu.

### **Dr. T. Ganesh**

- 01 International Conference on Nano Science and Nano Technology (ICONN2010), Department of Physics, SRM University, Kattankulathur, Chennai. February 24-26, 2010. Dielectric relaxation studies of cationic surfactants in aqueous solutions.
- 02 International Conference on Recent Frontiers in Applied Spectroscopy (ICORFAS 2010), Department of physics, Annamalai University, September 23-24,2010. Dielectric relaxation spectroscopic studies of Surfactants with alcohols in solution state.
03. 17th National Seminar on Ferroelectrics and Dielectrics, (NSFD- 2012), Institute of Technical Education and Research , Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, High Frequency dielectric studies of micellar solutions above CMC.27.
04. International Conference on Advanced Functional Materials 2014, Feb 19-21, 2014, Thiruvananthapuram, - Dielectric Relaxation studies of aprotic polar with non polar solvents using Microwave absorption technique.
- 05 International Conference on Advanced Functional Materials 2014, Feb 19-21, 2014, Thiruvananthapuram, Dielectric studies of self assembly amphiphilics – Microwave dielectric relaxation studies of long chain fatty acid ternaty mixture.
- 06 National Conference on Nanophotonics, School of Physics, Bharthidasan University, Tiruchirapalli, March 6-7 2014, – Dielectric relaxation studies of aprotic solvents in non polar solutions.

### **Mr. D. Anbuselvan**

- 01 Optical, structural and morphological properties of  $\text{Zn}_{0.98-x}\text{Mn}_{0.02}\text{Cu}_x\text{O}$  ( $x = 0$  to  $0.05$ ) nanopowders by sol-gel method, National conference on Nanomaterials, Karunya university, Coimbatore, Dec. 3-4, 2012.
- 02 Structural, Optical and Morphological Properties of  $\text{Zn}_{0.96}\text{Co}_{0.04}\text{Cu}_x\text{O}$  ( $x = 0.00, 0.02, 0.04$  and  $0.06$ ) Nanopowders by Sol-gel Method. RAMS Bharathidasan University Trichy, 3-4 Feb 2014.

## **Department of Statistics**

### **Mr. V. Murugesan**

01. Presented a paper entitled “Applications of Nanotechnology in Food Industry” in a UGC sponsored National conference on National Level Conference on Current Approaches and challenges in nanomaterial and nanomedicine organized by

Department of Biochemistry, Rajah Serfoji Government College, Thanjavur on 29<sup>th</sup> and 30<sup>th</sup> August, 2013.

02. Presented a paper entitled "Biopiracy and commercialization of new products" in a UGC sponsored National conference on National Conference on Current Perspective and challenges in Biodiversity and its Conservation organized by Department of Biochemistry, Rajah Serfoji Government College, Thanjavur on 7<sup>th</sup> and 8<sup>th</sup> March, 2015.

### Dr. Joshua Joesph

01. Presented a paper entitled "Bulk Service Erlangian Queue with Multiple Vacations" at the National Conference on "Statistics for Twenty-First Century and Annual Conference of Kerala Statistical Association" held at the Department of Statistics, University of Kerala, Trivandrum during 17-19, March 2011.
02. Bulk Service Erlangian Queue with Instantaneous Rates. The International Conference on Statistics and Information Analytics, held in the Post Graduate and Research Department of Statistics, Loyala College (Autonomous), Chennai, during 25-27, August 2011. Its abstract is placed on Page No:44.

### Department of Tamil

#### முனைவர் து. ரோசி.

01. தொல்காப்பியப் புறத்திணை மரபில் களவழி நாற்பது. தொல்காப்பிய இலக்கிய மரபு நோக்கில் கீழ்க்கணக்கு நூல்கள் (அக, புறக் கோட்பாடுகள் - ஒப்பீட்டு நோக்கு). தேசியக் கருத்தரங்கம். மன்னர் சரபோசி அரசுக் கல்லூரி, தஞ்சாவூர். 20.01.2015-22.01.2015.

#### முனைவர் மா. கோவிந்தராசு

01. சார்பெழுத்தின் வளர்ச்சிப் போக்கு. தமிழ் இலக்கணப் போக்குகள். தேசிய கருத்தரங்கம். தமிழ்ப் பல்கலைக்கழகம். தஞ்சாவூர். 26.02.2010.
02. புதுக்கவிதையில் வரலாற்றுக் குறிப்புகள். இந்தியப் பல்கலைக்கழகத் தமிழாசிரியர் மன்ற 41ஆம் கருத்தரங்கம். நூருல் இஸ்லாம் பல்கலைக்கழகம், குமாரகோவில். 15 & 16.05.2010.
03. சங்க இலக்கியத்தில் உடும்பு. 18ஆம் அறிவியல் தமிழ்-பன்னாட்டுக் கருத்தரங்கம். அய்யா நாடார் ஜானகி அம்மாள் கல்லூரி, சிவகாசி. 20 & 21.11.2010.
04. சங்க இலக்கியத்தில் ஆழியும் அலையும். தமிழ்ச் செவ்வியல் இலக்கியங்களில் காணலாகும் பேரிடர் மேலாண்மைச் சிந்தனைகள். தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர். 10 & 11.02.2011.
05. ஐங்குறுநூற்றில் வண்ணச் சினைச் சொல். இந்தியப் பல்கலைக்கழகத் தமிழாசிரியர் மன்ற 42ஆம் கருத்தரங்கம். மதுரை காமராசர் பல்கலைக்கழகம், மதுரை. 21 & 22.05.2011.

06. ஐங்குறுநூற்றில் பெயரடை. தமிழ் மொழி, இலக்கியம், இலக்கணம்-பேராசிரியர் ச. அகத்தியலிங்கனார் நினைவு அறக்கட்டளை தேசிய கருத்தரங்கம். தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர். 04.08.2011.
07. மார்க்சிய அடிப்படையில் கூத்தாயி. தமிழ்ப் புனைகதை இலக்கியத்தின் தற்காலப் போக்குகள். தேசியக் கருத்தரங்கம். அய்யா நாடார் ஜானகி அம்மாள் கல்லூரி, சிவகாசி. 02 & 03.03.2012.
08. புதுமைக் கற்பித்தலில் தாய்மொழிக்குத் தனி இடம். தேசியக் கருத்தரங்கம். அரசுக் கல்வியியல் கல்லூரி, ஓரத்தநாடு. 05.05.2012.
09. சங்க இலக்கியத்தில் கட்செவி. இந்தியப் பல்கலைக்கழகத் தமிழாசிரியர் மன்ற 43ஆம் கருத்தரங்கம். தமிழாசிரியர் மன்றம், பெங்களூரு. 19 & 20.05.2012.
10. திருக்குறளில் பொருள் முதல் வாதம். திருக்குறள் பதிப்பின் 200ஆம் ஆண்டு ஆய்வுத் தேசியக் கருத்தரங்கம். கௌமார மடாலயம், கோயம்புத்தூர். 26-28.04.2013.
11. பெருந்தொகை-ஒரு குறும்பார்வை. இந்தியப் பல்கலைக்கழகத் தமிழாசிரியர் மன்ற 44ஆம் கருத்தரங்கம். ஸ்ரீ ராஜராஜன் பொறியியல் கல்லூரி, காரைக்குடி. 18 & 19.05.2013.
12. முத்தொள்ளாயிரத்தில் உவமையின் ஆளுமை. தமிழ்ப் பன்னாட்டுக் கருத்தரங்கம். பாரதிதாசன் பல்கலைக்கழகம், திருச்சிராப்பள்ளி. 11 & 12.12.2013
13. தமிழ்ச் சான்றோர் சு. சுபாஷ்சந்திரபோஸ் அவர்களின் தமிழ்த் தொண்டு. தமிழ்ச் சான்றோர் வாழ்வும் பணியும், தேசியக் கருத்தரங்கம். அ. வீரையா வாண்டையார் நினைவு ஸ்ரீ புஷ்பம் கல்லூரி, தஞ்சாவூர், 24 & 25.02.2014.
14. அண்மை உறுப்பு அடிப்படையில் கிளவியாக்கம். தொல்காப்பியம்: மொழியியல் பார்வையும் மரபுப் பார்வையும். தேசியப் பயிலரங்கம். அ. வீரையா வாண்டையார் நினைவு ஸ்ரீ புஷ்பம் கல்லூரி, தஞ்சாவூர், 05.03.2014-14.03.2014.
15. சித்தர் பாடல்களில் உழைப்பின் மேன்மை. சித்தர் இலக்கியங்களில் வாழ்வியல், தேசியக் கருத்தரங்கம். அண்ணாமலைப் பல்கலைக்கழகம், அண்ணாமலை நகர். 27.03.2014.
16. வினா எழுத்து-தொல்காப்பியரின் மயக்கம். இந்தியப் பல்கலைக்கழகத் தமிழாசிரியர் மன்ற 45ஆம் கருத்தரங்கம். தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர், 17-18.05.2014.

### செல்வி இரா. சாந்தி

01. திருக்குறளும் பிற்கால நீதி இலக்கியங்களும்-ஒப்பாய்வு. திருக்குறள் அமைப்பும் உரையாசிரியர்கள் நோக்கும், தேசியக் கருத்தரங்கம். குந்தவை நாச்சியார் அரசு மகளிர் கலைக் கல்லூரி, தஞ்சாவூர், 4-6.02.2015.

### முனைவர் இராஜா வரதராஜா

01. சமூகவியல் நோக்கில் காகித மனிதர்கள். தமிழ்ப் புனைகதை இலக்கியத்தின் தற்காலப் போக்குகள், தேசியக் கருத்தரங்கம். அய்யா நாடார் ஜானகி அம்மாள் கல்லூரி, சிவகாசி, 02 & 03.03.2012.
02. திருக்குறள் காட்டும் பண்பாட்டுக் கலவி. தமிழிலக்கியங்கள் புலப்படுத்தும் பண்பாட்டு விழுமியங்கள். பீஷப் ஹீபர் கல்லூரி, திருச்சிராப்பள்ளி, 06.10.2012.

### முனைவர் இரா. பாரி

01. திருக்குறளில் காலிங்கர் உரை. திருக்குறள் அமைப்பும் உரையாசிரியர்கள் நோக்கும், தேசியக் கருத்தரங்கம். குந்தவை நாச்சியார் அரசு மகளிர் கலைக் கல்லூரி, தஞ்சாவூர், 4-6.02.2015.
02. வல்லான் முல்லை. புறநானூறு பன்முகப் பார்வை, தேசியப் பயிலரங்கம். கணேசர் கலை அறிவியல் கல்லூரி, மேலைச்சிவபுரி, 27.02.2015-08.03.2015.

### முனைவர் கு. பரமேஸ்வரன்

01. புறநானூறு சுட்டும் வாழ்வியல் நெறிகள். பன்முக நோக்கில் தமிழ், தேசியக் கருத்தரங்கம், 31.03.2011.
02. கல்மண்டபம் நூலில் சமுதாயச் சிக்கல்கள். இக்கால இலக்கியம்-தேசியக் கருத்தரங்கம். கருப்பண்ணன் மாரியப்பன் கல்லூரி, முத்தூர். 04.01.2010.
03. தமிழ்ச் செவ்வியல் மருத்துவம். தமிழ் செவ்வியல் மருத்துவ அரங்கம். அரசு கலைக் கல்லூரி, சேலம், 28.03.2012.

### முனைவர் மு. கண்ணையன்

01. A Marxist approach to K. Chinnappa Bharathi's sangam. UGC Sponsored two day national seminar on recent trends in literary, cultural and critical theories. Periar EVR College, Thiruchirapalli, 22-22.03.2012.
02. Modern literature of modern Trent. Tapestries of expatriate writings. Periar EVR College, Thiruchirapalli, 22-22.08.2014.
03. இக்கால இலக்கியத்தில் விளிம்புநிலைப் போக்குகள். அரசினர் கலைக் கல்லூரி, கும்பகோணம். 06-07.02.2012.
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#### முனைவர் க. இராமலிங்கம்

01. முல்லைப் பாட்டில் இயற்கை. செம்மொழி இலக்கியங்களில் சூழலியல் சிந்தனைகள். திரு வி க அரசுக் கல்லூரி, திருவாரூர். 1-3.02.2012.

#### திரு. ரெ. சதாசிவம்

01. பாரதியின் கல்விச் சிந்தனைகள். பாரதி பன்முகப் பார்வை, பன்னாட்டுத் தமிழ்க் கருத்தரங்கம். ஏலகிரி. 23.05.2012.
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01. செய்யுளியல் காட்டும் மக்கள் வழக்காற்று இலக்கியம். தொல்காப்பியச் செய்யுளியலும் செய்யுளாக்க மரபும், அரசினர் கலைக் கல்லூரி, கும்பகோணம், 03-05.01.2011.
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03. சிலப்பதிகாரத்தில் வருணனை. இன்றைய பார்வையில் சிலப்பதிகாரம், தேசியப் பயிலரங்கம். பாரத் அறிவியல் நிர்வாகவியல் கல்லூரி, தஞ்சாவூர். 18-27.01.2014

#### முனைவர் கு. சந்திரன்

01. மனிதன் சுயநலம் இயற்கை மற்றும் மனித நேய அழிவு. தமிழாய்வு கருத்தரங்கம். அரசினர் கலைக் கல்லூரி, கும்பகோணம். 09.02.2011.
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#### முனைவர் சோ. கண்ணதாசன்

01. சங்க இலக்கியக்கள் காட்டும் நெய்தல் நிலச் சமுதாய சிந்தனைகள். தமிழ்த் துறை மாநிலக் கருத்தரங்கம், பெரியார் கலைக் கல்லூரி, கடலூர், 27-29.01.2011.

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03. Dravida Bhasha Pravina. National Seminar on The relationship between classical Tamil and Sanskrit. Rajah's College of Sanskrit and Tamil Studies, Thiruvaiyaru, 23-25.03.2012.
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#### முனைவர் த. இளஞ்செழியன்

01. சங்க இலக்கியத்தில் 'உயர்' சொற்பொருண்மை நோக்கு. பேராசிரியர் முனைவர் ச. அகத்தியலிங்கனாரின் படைப்புகள், தேசியக் கருத்தரங்கம். தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர். 25-27.03.2010.
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#### முனைவர் ப. இராஜமாணிக்கம்

01. திருப்பாவை உணர்த்தும் தத்துவம். அனைத்திந்திய ஆராய்ச்சிக் கழக ஏழாவது பன்னாட்டுக் கருத்தரங்கம். 17-18.12.2011.

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03. சிலம்பில் காணலாகும் திருக்குறள் மேன்மை. திருக்குறள் பதிப்பின் 200ஆம் ஆண்டு ஆய்வுத் தேசியக் கருத்தரங்கம். கௌமார மடாலயம், கோயம்புத்தூர். 26-28.04.2013.
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05. நெய்தல் திணையும் பொருளியல் நோக்கும். தமிழ்ச் செவ்வியல் மரபில் நெய்தல் நில வாழ்வியல். தேசியக் கருத்தரங்கம். உ. நா. அரசுக் கல்லூரி, பொன்னேரி, 05-07.02.2014.
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#### முனைவர் வெ. சத்யநாராயணன்

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02. பெரியாழ்வார் படைத்த இராமாயணச் சுருக்கம். வைணவ இலக்கியங்கள் - பன்முகப்பார்வை, தேசியக் கருத்தரங்கம். அண்ணாமலைப் பல்கலைக்கழகம், அண்ணாமலை நகர். 08.03.2013-09.03.2013.
03. பாவேந்தர் கவிதையில் திருக்குறள் குறித்த மதிப்பீடு. திருக்குறள் பதிப்பின் 200ஆம் ஆண்டு ஆய்வுத் தேசியக் கருத்தரங்கம். கௌமார மடாலயம், கோயம்புத்தூர். 26-28.04.2013.
04. நாலடியார் தெளிபொருள் விளக்கம். நாலடியார் பதிப்பின் 200ஆம் ஆண்டுக் கருத்தரங்கம். தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர். 18.12.2012.
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07. திருப்புல்லாணி யமக அந்தாதி-இலக்கியத் திறன். ரா. ராகவையங்கார் ஆய்வும் பதிப்பும், தேசியக் கருத்தரங்கம். தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர், 17.09.2014.

08. சொல்லதிகாரம்-தெய்வச்சிலையார் உரை பெயரியல். தொல்காப்பியம்-சொல்லதிகார உரையாசிரியர்கள். அரசர் கல்லூரி, திருவையாறு, 27.01.2014-05.02.2014.

### Department of Zoology

#### Dr. K.M. Subburathinam

1. Presented a paper entitled "Studies on biodegradation of Organophosphorus pesticides using selected fungal species in cotton soils of Andhra Pradesh, India in the "Ninety Seventh Indian Science Congress" on January 3-7, 2010, at Thiruvananthapuram.
2. Presented a paper entitled "Study on foaming aspects related with air flow in simulated aerobic fermentation" in the "International Conference on Biotechnology, Food and Bioengineering - Emerging Trends and Future Prospects (ICBFBE-2010)", organized by PRIST University, Thanjavur, & Indian Institute of Crop Processing Technology, Thanjavur, during 25th & 26th February, 2010.
3. Presented a paper entitled "Food safety at home - guidelines for the housewife" in the "National Seminar on Industry-Academia Synergy to Enhance Food Security through Processing and Value Addition", Organized by Indian Institute of Crop Processing Technology, Thanjavur, during 6th & 7th March, 2010.
4. Presented a paper entitled "Comparison of Pesticide Biomineralising Ability of the Selected Fungal Species in Cotton Soils of Andhra Pradesh, India" in the "Ninety Eighth Indian Science Congress" on January 3-7, 2011, at Chennai.
5. Presented a paper entitled "Indicator dyes for the microbial growth assessment" in the "National Symposium on Current Perspectives in Animal Biotechnology", organized by Department of Animal Sciences, Bharathidasan University, Tiruchirappalli, during 3rd- 4th February, 2011.
6. Presented a paper entitled "Biocatalysis: A Boon for Green or Sustainable Environment by Comparison of Pesticide biomineralising ability of the selected fungal species in cotton soils of Andhra Pradesh, India", in the World Congress on Biotechnology, HICC, Hyderabad, 21-23, March, 2011.
7. Presented a paper entitled "Efficacy of Tribolium castaneum infestation on the physio-chemical properties of rice and wheat flours during storage" in the "UGC sponsored National level Seminar on Exploring Techniques in Biological Science", organized by PG & Research Department of Botany, Kunthavai Naacchiyaar Govt. College (W), Thanjavur, during 14th & 15th December, 2011.
8. Presented a paper entitled "Preference of animal and plant based feeds in five selected ornamental fishes" in the "UGC sponsored National level Conference on

Aquaculture”, organized by PG & Research Department of Botany, Kunthavai Naacchiyaar Govt. College (W), Thanjavur, during 6th & 7th February, 2012.

9. Presented a paper entitled “Preference of Red Flour Beetle, *Tribolium castaneum* in Infesting the Roasted Bengal Gram and its By-products”, in the “International Symposium on Grain Storage” Organized by Indian Society of Agricultural Engineers and G. B. Pant University of Agriculture and Technology, Pantnagar, during February 27-29, 2012.
10. Presented a paper entitled “Controlled atmosphere storage packaging technique for safe storage of process” in the “National Symposium on Recent Trends in Pest Control and Conservation of our Natural Enemies” Organized by P.G. and Research Department, V.O. Chidambaram College, Thoothukudi, during March 15-16, 2012.

### Dr. P.Mariappan

01. Presented a paper entitled “முத்தொள்ளாயிரத்தில் மாவினங்கள்” *Maavinankal in Mutholayiramin* in an international seminar on *Iratai Kappiyamum Muththolayiramum*, Avaiyar College for Women, Karaikal, 14.12.2014.
02. Presented a paper entitled “மலைபடுகடாமில் யானை” *Elephants in Malaipadukadaam* in an international seminar on Pathupaatu, Kongunadu College of Arts and Science, Coimbatore, 23.12.2012.
03. Presented a paper entitled “IVF and Bioethics” in a National Workshop on Inter-disciplinary ethics, Pondicherry University, Pondicherry on 2-3<sup>rd</sup> August, 2012.

### Dr.K.Rameshkumar

01. Presented a paper entitled “Role of estrous related odour in the precopulatory behaviour of bovine” in 35th Annual conference of ethological society of Indian and symposium on chemical signal in animal welfare held at Bharathidasan University, Trichirappalli on December 15th and 16th, 2011.
02. Presented a paper entitled “Observation of various estrus symptoms in bovine” in A field study in 35th Annual conference of ethological society of Indian and symposium on chemical signal in animal welfare held at Bharathidasan University, Trichirappalli during December 15 and 16, 2011.
03. Presented a paper entitled “1-iodoundecane: An oestrus specific chemical signal in bovine (*Bos taurus*) urine” in the National Symposium on current perspectives in animal biotechnology held at Department of Animal Science, Bharathidasan University, Tiruchirappalli-24 during February 3 & 4, 2012.
04. Presented a paper entitled “Biochemical characterization of sheep (*Ovis aries*) urine in relation to livestock production” in Frontier areas in applied zoology held at ANJA College, Sivakasi during March 15 & 17, 2012.

05. Presented a paper entitled "Biochemical analysis of bovine (*Bos indicus*) urine with reference to various reproductive phase" in Frontier areas in applied zoology held at ANJA College, Sivakasi during March 15 & 17, 2012.
06. Presented a paper entitled "Diversity of microbes an overview" in National conference on biodiversity & biotechnology held at PRIST University, Thanjavur during March 28 – 30, 2012.
07. Presented a paper entitled "A study on the biodiversity of indigenous cattle in Tamilnadu" in National conference on biodiversity & biotechnology held at PRIST University, Thanjavur during March 28 – 30, 2012.

#### **Dr.S.Babu**

01. Presented a paper on 'Artificial reef deployment off Thoothukudi coastal waters to enhance the scarce marine bioresources' in the national conference on 'Potential and prospects of aquatic resources' organized by Dept. of Zoology, Kunthavai Naacchiyaar Govt. Arts College for Women, Thanjavur, February -2012.
02. Presented a paper on 'Mosquito larvicidal efficacy of the leaf extracts of three plant species' in the seminar on 'Future prospective of natural products and food as medicine' organized by Dept. Of Zoology, Rajah Serfoji Govt. College, Thanjavur, April-2011.
03. Presented a paper on 'Penicillium sp. and Aspergillus sp. mediated bioremediation of carcinogenic PAH compounds' in the 'International Symposium on Trace Organic Pollutants in the Environment' organized by Dept. of Environmental Biotechnology, Bharathidasan University, January-2010.

### Publications of Staff members

#### Botany

##### Dr. M. Jawahar

01. Sundar, A.N. and M. Jawahar. 2010. Efficient plant regeneration via somatic embryogenesis from anthers of *Datura stramonium* L. Journal of Agricultural Technology, 6(4):741-745.
02. Jawahar, M. et al. 2010. In vitro callus induction and plant regeneration from *Capsicum annum* L. Ad. Plant Sciences, 23(1):1-5.
03. Sundar, A.N. and M. Jawahar. 2011. In vitro Shoot Multiplication of *Vernonia cinerea* (L.) Less. an important medicinal herb Journal of Agricultural Technology, 7(3):763-768.
04. Sundar, A.N. and M. Jawahar. 2011. In vitro plant regeneration from leaf and stem explants *Solanum xanthocarpum* Schrad & Wendl.-an important medicinal Herb. Ad. Plant Sci., 24(1):1-3.
05. Sundar, A.N. and M. Jawahar. 2011. Shoot Multiplication of *Vernonia cinerea* (L.) Less. An important medicinal herb. Journal of Agricultural Technology, 7(3):763-768.
06. Sundar, A.N. and M. Jawahar. 2011. In vitro plant regeneration from leaf and stem explants of *Solanum xanthocarpum* Schrad & Wendl. an important medicinal herb. Journal of Agricultural Technology, 7(2):301-306.
07. Sundar, A.N. and M. Jawahar. 2012. Antibacterial screening of the stem bark and wood extracts of *Carissa carandas* L. -An important traditional medicinal plant. Journal of Agricultural Technology, 25(11):591-594.
08. Sundar, A.N. and M. Jawahar. 2013. Screening of an antibacterial activity of leaf and root extracts of *Carissa carandas* L. -An important traditional medicinal plant. Journal of Agricultural Technology, 9(1):95-102.
09. Sundar, A.N. and M. Jawahar. 2013. In vitro propagation of an important traditional medicinal plant *Carissa carandas* L. Ad. Plant Sci., 26(11):313-315.

#### Business Administration

##### Dr.V.Nagajothi

01. Nagajothi, V. and Abraham Rajan. 2014. A study on Addie model as one of the training model practiced by the HRD in modern organizations. Sankhya International Journal of Management and Technology, III(II):15-16.

02. Nagajothi, V. and V. Govindarajan. 2014. Study of success based on location among various branded retailer in Chennai. *Sankhya International Journal of Management and Technology*, III(II):209-211.
03. Nagajothi, V., and L. Kalai Bharathi. 2014. Human resources empowerment in an organization. *Sankhya International Journal of Management and Technology*, III(II):240-241.
04. Nagajothi, V., A. Jeonmythily and S. Arundhathi. 2014. A study on managing management education institutions with digital infrastructure in Thanjavur district. *Research Explorer*, II(Special Issue 1):356-358.
05. Nagajothi, V., G. Prabhakaran and A. Jeonmythily. 2014. A study on solid waste management practices in Thanjavur. *Sankhya International Journal of Management and Technology*, III (II):379-381.
06. Nagajothi, V., A. Prabhu and S. Padmanaban. 2014. A study on technical education system in India. *Sankhya International Journal of Management and Technology*, III(II):382-385.
07. Nagajothi, V., A.M. Nirmala and M. Venkateshwari. 2014. A study on service quality in banking sector. *Research Explorer*, II (Special Issue -1):359-362.
08. Nagajothi, V., A. Prabhu and S. Padmanaban. 2014. A study on online behaviors model in Thanjavur district. *Research Explorer*, II(Special Issue -1):363-366.
09. Nagajothi, V., P. Praba and R. Rajeswari. 2014. A study on the investor sentiment with special reference to investment in HDFC bank fixed deposit. *Research Explorer*, II(Special Issue -1):367-369.
10. Nagajothi, V., G. Prabhakaran and G. Vigneswaran. 2014. A study on corporate social responsibility its salient features. *Research Explorer*, II (Special Issue -1):370-373.
11. Nagajothi, V., D. Susaithanapandiyan and S. Thangamani. 2014. A study on customer need to green marketing. *Research Explorer*, II (Special Issue -1):374-376.
12. Nagajothi, V. and Abraham Rajan. 2014. Training and development effectiveness: Practices, roles and impacts on performance in banking organisation in Chennai. *Research Explorer*, II: (Special Issue -1): 377-379.
13. Nagajothi, V., G. Prabhakaran and G. Vigneswaran. 2014. A study on health status of old age women people in Gandharavakottai Panchayat of Pudukkottai district. *International Journal of Applied Management Research*, 6(1):349-353.
14. Nagajothi, V. and S. Rajalakshmi. 2014. Factors Affecting Teachers Motivation. *Sankhya International Journal of Management and Technology*, III: 396-398.
15. Nagajothi, V. and S. Rajalakshmi. 2014. A Study on Motivation and Job performance of Academic staff of private and public sector Universities in Tamilnadu. *International Journal of Business Intelligence & Innovation*, 2:229-232.



16. Nagajothi, V. and B.N. Suresh Kumar. 2014. Role of Financial Advisors. HRD Times, 16(2):29-30.
17. Nagajothi, V. and B.N. Suresh Kumar, 2014. Retirement and Career Stability. HRD Times, 16(3):35-36.
18. Nagajothi, V. and B.N. Suresh Kumar. 2014. A Study on the Attitude and attribute of Financial Advisors and their impact on the Investors. Sanakhya International Journal of Management and Technology, III(II):480-482.
19. Nagajothi, V. and V. Govindarajan. 2014. Exploring Marketing Strategies Adopted by Organized Retail Stores in Chennai. M-Infinity Journal of Management, I(III):77-82.
20. Nagajothi, V. and V. Govindarajan. 2014. Exploring Strategic Marketing Practices Adopted Retail Industries in Chennai. International Journal of Business Intelligence and Innovations, I(II):65-70.
21. Nagajothi, V. and S. Rajalakshmi. 2013. The Emerging Trends in Corporate Social Responsibility in India. International Journal of Exclusive Management Research, 2:244-184.
22. Nagajothi, V. and H. Bama. 2013. Collective anxiety level of the employee with regards to revolutionizes in the organisation culture with special reference to banking sector in Thanjavur district. International Journal of Research & Development in Technology and Management Sciences, 20(6):1-12.
23. Nagajothi, V. and S.Rajalakshmi. 2013. The Impact of Total Quality Management Adopted by the Lanco Thanjavur Power Company Ltd on its Productivity. Research Explorer, II: 999-1000.
24. Nagajothi, V. and S. Rajalakshmi. 2013. Predictors of employee Engagement. Journal of Management Research and Development, 1:388-391.
25. Nagajothi, V. and H. Bama. 2012. A study on the cross culture communication in India. M.- infinite Journal of Management. 2(2):1-12.
26. Nagajothi, V. 2010. Total Quality Management in Single Sampling for Sequentially Inspected Manufacturing Processes that Exhibit Markovian Character, STARS. Int. Journal (Sciences), 3(2):39-46.

#### **Dr.V.Sureshkumar**

01. Suresh Kumar, V. 2010. Market potential and employment opportunity of health tourism in Tamilnadu. International Journal of Applied Management Research, Tissi International Publications, 26-30.
02. Suresh Kumar, V. 2010. Service Quality on housing finance: A moderating approach through Structural Equation Model. International Journal of Applied Management Research, 269-284.

03. Suresh Kumar, V., R.Bhuvaneswari and S.Karunakaran, T.Kamatchi. 2011. Healthy business will medical tourism be India's Next big industry. *International Journal of Applied Management Research*, 652-656.
04. Suresh Kumar, S. 2011. Lessons from tsunami of Bay of Bengal. *International Journal of Applied Management Research*, Tisss International Publications, 41-44.
05. Suresh Kumar, V. and P. Murali. 2012. The Awareness on the implementation of TQM among the employees of Rajalakshmi Engineering Industries. *SELP Journal Social Science*, III (12):43-50.
06. Suresh Kumar, V. and P. Murali. 2013. Online marketing strategies for FMCG products in India. *M. Infiniti Journal of Management*, 5:166-169.
07. Suresh Kumar, S. and P. Om Prakash. 2013. Management of foreign currency. *M. Infiniti Journal of Management*, 5:175-179.
08. Suresh Kumar, V. and R.Bhuvaneswari. 2013. TQM for Managing Stress-An instrument to keep your cool. *M. Infiniti Journal of Management*, 5:185-189.
09. Suresh Kumar, V. and P. Murali. 2013. Attractive factors towards online shopping: A case of Thanjavur Town. *Research Explorer*, II(3):474-478.
10. Suresh Kumar, V. and P. Murali. 2013. Ethical Issues and challenges of online marketing. *Research Explorer*, II(6):126-128.
11. Suresh Kumar, V. and P. Murali. 2013. A study on the trends and challenges in public expenditure of India. *SELP Journal Social Science*, IV (15):129-132.
12. Suresh Kumar, V. and P. Murali. 2013. A study on growth of online shopping and E-Service quality in India. *Research Explorer*, II: 18-19.
13. Suresh Kumar, V. and S. Bhawiya Roopaa. 2014. Social Responsibility on Attitude and Buying behaviour of FMCG Products-A study on consumer's perspective in Tamilnadu. *SELP Journal Social Science*, V(19):1-7.
14. Suresh Kumar, V. and R. Surianarayanan. 2013. Green Marketing and its impact on customer awareness in Cuddalore Town. *International Journal of Contemporary Management Studies*, 1(1):48-54.

### Book

01. A. Arulraj and V.Suresh Kumar. 2010. *Social Empowerment through Housing Finance Service Quality* Global Research Publications, New Delhi.

**Dr.S.Sasikumar**

01. Sasikumar, S. and D. Ashok. 2011. Labour Welfare and social security (A case study in E.I.D Parry (India) Limited Pudukkotai. International Journal of Applied Management Research, pp32-36.
02. Sasikumar, S. and R. Antony Prakash. 2012. The Impact of the economic crisis on the world's poorest countries. M-Infinity Journal of Management, 94-95.
- 03 Sasikumar, S. and C. Muthukkumaran. 2012. A study on home loan products of state bank of India in Thanjavur. M-Infinity Journal of Management, 170-171.
- 04 Sasikumar, S. and K. Sudha. 2012. Challenges of global financial system in 21<sup>st</sup> century. M-Infinity Journal of Management, 226-230.

**Biochemistry****Dr.K.Jeyaprakash**

01. Jeyaprakash, K., Muthusamy, P. and Thangavelu, A.U. 2010. Protective effects of *Spirulina* and Liv-52 on cadmium and lead induced toxicity in albino rats. Research Journal of Biological Science, 2(4):55-61.
02. Senthil Kumar, K and K. Jeyaprakash. 2012. Antioxidant and cytotoxic efficacy of chitosan on bladder cancer. Asian Pacific Journal of Tropical Biomedicine, pp S769-S773.
03. Senthil Kumar, K. and K. Jeyaprakash. 2012. *In Vitro* Antimicrobial Activity of chitosan and enhancement effect of their semi-solid preparations. International Journal of Research in Pharmaceutical and Biomedical Sciences, 3(4):1652-1656.
04. Senthil Kumar, K. and K. Jeyaprakash. 2013. *In Vitro* evaluation of free radical scavenging activity of chitosan. International Journal of Pharmacy and Life Sciences, 4(5):2685-2690.
05. Senthil Kumar, K. and K. Jeyaprakash. 2013. Comparative Study of Cytotoxic Efficacy of Chitosan and Cyclophosphamide against T24 Human Urinary Bladder Cancer Cell Line. International Journal of Advances Pharmacy, Biology and Chemistry, 2(1):21-24.
06. Senthil Kumar, K. and K. Jeyaprakash. 2013. Screening of Antiproliferative Effect of Chitosan on Tumor Growth and Metastasis in T24 Urinary. Austral Asian Journal of Cancer, 12(3):145-149.
07. Jeyaprakash, K. and Sugantha Saul. 2013. Influence of obesity on insulin resistance in polycystic ovary syndrome. Asia Pacific International Journal for Research, II(IX):141-149.
08. Jeyaprakash, K. and Sugantha Saul. 2013. A Study of hormone imbalance in Polycystic Ovary Syndrome. International Journal of Chemistry, Environment and Technology, 1(4):43-50.

09. Kavitha, S., Vijayalakshmi Venkatraman and K. Jeyaprakash. 2013. Biochemical Markers and Age Onset Involved in Heavy Alcoholism. Asian Journal of Biochemical and Pharmaceutical Research, 1(4):80-87.
10. Kavitha, S., Vijayalakshmi Venkatraman and K. Jeyaprakash. 2013. ADH1B Gene polymorphisms in Alcoholics of a South Indian population. Int J Biol Med Res. 4(4): 3727-3730.
11. AlSalhi1, M.S., Farjah H AlGahtani, S. Devanesan, V. Trinka Vijmas, K. Jeyaprakash, Abbas H AlSaeed and V Masilamani1. 2014. Spectral detection of thalassemia: a preliminary Study. Journal of Biomedical Science, 21: 2-8.
12. Sandhanasamy Devanesan, A. Salhi Mohamad Saleh, Mani Ravikumar, Kantharaj Perinbam, Saradh Prasad, H. Al-Saeed Abbas, Siddanna R. Palled, Karuppaiah Jeyaprakash and Vadivel Masilamani. 2014. Fluorescence spectral classification of iron deficiency anemia and thalassemia. Journal of Biomedical Optics, 19(2):1-5.
13. Kavitha, S., Vijayalakshmi Venkatraman and K. Jeyaprakash. 2014. Effect of alcohol on male reproductive hormones. Asian Journal of Biochemical and Pharmaceutical Research, XII: 51-56.
14. Jayabarath, J., K. Jeyaprakesh, J. Jeny Joseline, M.J. Benuva. 2014. Increased Production of Glycerol from Fungal Species. Asian Journal of Medical and Pharmaceutical Science, 2(2): 123-127.
15. Jayabarath, J., K.Gopika, R.Yuvashri, and K. Jeyaprakash. 2014. Production of electricity from municipal waste from using microbial fuel cells. Nanobiopharmaceutical Technology, pp.409-415.
16. Janakiraman, M. and K. Jeyaprakash. 2015. Screening of Phytochemical and *in vitro* Antioxidant Efficacy of *Vitex negundo* L. leaf Extract, International Journal of Emerging Trends in Science and Technology, 2(4):2306-2314.
17. Janakiraman, M., and K. Jeyaprakash. 2015. Antioxidant and Protective Effects of *Vitex negundo* against Cisplatin induced Nephrotoxicity in Male Albino Rats. Int. Journal of Pharmaceutical and Biological Archives 5(5): 95-102.
18. Janakiraman, M., and K. Jeyaprakash. 2015. Nephroprotective effect of *Vitex negundo* linn. on cisplatin induced nephrotoxicity in male albino rats. World J Pharm Sci., 3(4):706-715.
19. Jayabarath, J. and K. Jeyaprakesh. 2015. *In Vitro* antioxidant efficacy of *Turbinaria conoids*. World Journal of Pharmaceutical Sciences, 4(5):2015.
20. Rajeshkumar, R. and K. Jeyaprakash. 2015. Screening of phytochemical and *in vitro* antioxidant efficacy on selected red seaweed (*Acanthophora Specifera*) collected from Gulf of Mannar, Tamilnadu, India. World Journal of Pharmaceutical Research, 4(06):1505-1518.
21. Rajeshkumar, R. and K. Jeyaprakash. 2015. Mineral Analysis of *Acanthophora specifera* collected from Gulf of Mannar, Tamilnadu, India. Int. J. Curr. Res. Chem. Pharma. Sci., 2(7):1-7.

22. Jayabarath, J. and K. Jeyaprakash. 2015. Seaweeds and its potential applications. Indo American Journal of Pharmaceutical Research, 5(6):2270-2275.

### **Dr. R.Senthil Kumar**

01. Radhika, S., R. Senthilkumar, S. Sindhu, E. Sagadevan and P. Arumugam. 2013. Phytochemical investigation and evaluation of antihyperglycemic potential of *Premna corymbosa*. International Journal of Pharmacy and Pharmaceutical Sciences, 5(4):352-356.
02. Radhika, S., R. Senthilkumar, and P. Arumugam. 2013. A review on ethnic florae with antihyperglycemic efficacy. International Journal of Herbal Medicine, 1(4): 55-62.
03. Radhika, S., R. Senthilkumar, and P. Arumugam. 2014. Appraisal of invitro antioxidant prospective of *Premna corymbosa*, International Research Journal of Biological Science, 3(10): 70-75.
04. Umerabegam, A.K. and R. Senthilkumar 2015. Phytochemical evaluation of different solvent extracts of traditional medicinal plant, World Journal of pharmaceutical research, 4(3):793-801.

### **Dr. T.Malarvili**

01. Kalyani, T. Malarvili, and T. Manivasagam. 2010. Protective effect of epigallo catechin gallate against oxidative stress induced alcohol in experimental rats. Res, J, Bio, Sci., II(2):10-19.
02. Muthukkumarasamy, S. Udayakumar, R., Balasundaram, M., Malarvili, T. and Muruganantham, C. 2010. Phytochemical and antimicrobial studies of *Oldenlandia corymbosa* L. Res. J, Bio, Sci, II(2):42-46.
03. Malarvili, T., RM.Veerappan and V. Hazzena Begum. 2011. Effect of *Achyranthes aspera* seeds on lipid profiles in selected tissues of rats fed with high doses of fructose. Journal of Pharmacy Research, 4(6):1769-1771.
04. Dominic Amal Raj, A., T. Malarvili and S. Velavan. 2013. Anti-Obesity effect of *Betula alanaoides* bark extract (Babe) on Plasma lipids in Male Wister Rats Fed a Fructose rich diet. International Journal of Pharmaceutical Research, 2(1-4):213-220.
05. Dominic Amal Raj, A., T. Malarvili and S. Velavan. 2013. Reactive Oxygen and Nitrogen species scavenging activity of *Betula alanaoides* bark extract (Babe) - An in-vitro studies. International Journal of Research in Biochemistry and Biophysics, 3(4):29-34.
06. Malarvili, T. and RM. Veerappan. 2014. Effect of Chrysin on Free radicals and enzymatic antioxidants in N $\omega$ -nitro-L-arginine methyl ester:induced hypertensive rats. International Journal of Nutrition, Pharmacology, Neurological Diseases, 4(2):112-117.

07. Veerappan, RM., and T. Malarvili. 2014. Role of Chrysin on hepatic and renal activities of N $\omega$ -nitro-L-arginine methylester induced hypertensive rats. *International Journal of Nutrition, Pharmacology, Neurological Diseases*, 4(1):58-63.
08. Dominic Amal Raj, A., T. Malarvili, and S. Velavan. 2014. Evaluation of Hypolipidemic activity of *Betula alanaoides* bark on triton WR-1339 induced hyperlipidemia in albino rats. *International Journal of Pharmacology and Toxicology*, 4(2):67-71.
09. Prabakaran, V. and T Malarvili. 2014. Effect of saponin on lipid peroxidation and antioxidant status in high fructose fed rats. *International Journal of Natural Products Research*, 4(4):110-115.
10. Veerappan, R., T. Malarvili and G. Archunan. 2015. Effects on chrysin on lipid and xenobiotic metabolizing enzymes in L-NAME-induced hypertension. *International Journal of Nutrition, Pharmacology, Neurological Diseases*, 4(1):17-22.
11. Dominic AmalRaj, A., T. Malarvili, S. Velavan. 2014-15. Antioxidant activity *Betula alanaoides* bark extract in high fat diet fed wistar rats. *International Journal of Chemtech Research*, 7(5):2391-2398.
12. Ramya, B., T. Malarvili and S. Velavan. 2015. Evaluation of Phytoconstituents of *Bryonopsis laciniosa* fruit by UV-Visible Spectroscopy and FTIR analysi. *Pharmacognosy J.*, 7(3):165-170.
13. Ramya, B., T. Malarvili and S. Velavan. 2015. GC-MS analysis of bioactive compounds in *Bryonopsis laciniosa* fruit extract. *International Journal of Pharmaceutical Sciences and Research*, 6(8):1000-1005.

#### **Dr.A.Subramanian**

01. Subramanian, A., Santhoshkumar, S., Suja, S.K., Sudharsan, M and Chakraborty, A. 2014. Antioxidant and free radical scavenging activity of annular and seasonal ayurvedic medicinal plants *Elephantopus scaber* L. and *Biophytum sensitivum* DC. *International Journal of Pharmaceutical Biology and Chemical Sciences*, 3(1):6-17.
02. Santhoshkumar, S., Subramanian, A., Suja, S.K., Sudharsan, M., and Chakraborty, A. 2013. Free radical scavenging capacity and antioxidant activity of an Ayurvedic medicinal plant *Solsnum rubum* Mill. *Research Journal of Pharmaceutical Biological and Chemical Sciences*, 4(4):417-426.
03. Santhosh Kumar, S., Subramanian, A., Uma, C., Rengaiyan, R., Sambandan, K., Sekar, K. G., Sudarshan M and A. Chakraborty. 2012. Trace elemental analysis and antimicrobial activities of *Elephantopus scaber* L. *Journal of Phytology* 4(4): 08-13.
04. Tamilarasan, K., Subramanian, A. and Dharmendra Kumar. 2010. Optimization of enzymatic hydrolysis of the rice starch by immobilized alpha amylase using response surface methodology. *International Jorنال of Biosciences and Technology*, 3(6):61-67.

#### **Dr.L.Malarvannan**

01. Malarvannan, L. and M. Shajahan. 2010. Antioxidant effect of ethanol extact of *Indigofera tritia*. Linn on D galactosamine/Lipopolysaccharide induced hepatitis in rats. *Hindustan Journal*, V(1)p 64-67.

02. Shajahan, M., L. Malarvannan and S.A.Sherif. 2010. Anti-cancer role of *Solanum melongena* on chemically induced hepatocarcinogenesis in rats. *Microbial Biotechnology*, (1):216-218.

## Chemistry

### Mr. K.Rajarajan

01. Rajarajan, K., B. Manimekalai, B. Mohanadevi and G. Madhurambal. 2015. Synthesis and Characterization Studies on Glycine Picratecrystal Doped with CdCl<sub>2</sub>: A Nonlinear Optical Material. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 5(1):321-327.
02. Rajarajan, K., B. Mohanadevi, B. Manimekalai and G. Madhurambal. 2015. Structural Characterization Studies on Glycine Picratecrystal Doped with MnCl<sub>2</sub>: A Nonlinear Optical Material. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 59(1):309-314.
03. Rajarajan, K., J. Samusolomon and G. Madhurambal. R. 2012. XRD and FTIR studies on ferrous sulphate and copper chloride doped Glycine picrate crystal- A non linear optical material. *JPBCS ISSN:0975-8585 vol-3 issue-1 2012*
04. Rajarajan, K., K. Anbarasan, J. Samu Solomon and G. Madhurambal. 2012. XRD and FTIR studies on Lead (ii) nitrate doped Histidine picrate crystal-A non linear material. *J. Chem. Pharm. Res.*, 4(8):460-465.
05. Rajarajan, K., J. Samusolomon and G. Madhurambal. R. 2012. Structural characterization studies on CuCl<sub>2</sub> doped Glycine picrate crystal- A non linear optical material. *J. Chem. Pharm. Res.*, 4(1):125-129.
06. Rajarajan, K. and G. Madhurambal. 2013. Spectral diffraction and optical properties of Succinic picrate doped with copper sulphate- A non linear optical crystal. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 3 (3):461-469.
07. Rajarajan, K., A. Anandhi, KR. Dhanalakshmi Reka and G. Madhurambal. 2013. Synthesis and characterization studies of diphenyl amine picrate crystal- A non linear optical crystal. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 3(3), 480-487.
08. Rajarajan, K., K.R. Dhanalakshmi Alias Reka, A Anandhi and G Madhurambal. 2013. Growth and characterization studies of Acetamide-picrate crystal doped with copper sulphate- A non linear optical crystal. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 4(2):1507-1518.

**Dr.N.Ingarsal**

01. Prakash, N., Sivagami, S., Elamaran, M. and Ingarsal, N. 2014. Synthesis and Invitro bacterial screening of 2-amino-4-(2-naphthyl)-6-aryl-6H-1,3-thiazines, International Journal of Chemical Science and Applications, 1 (2):21-24.
02. Ingarsal, N., P. Amutha, M. Gopalakrishnan and S. Nagarajan. 2012. Synthesis and Stereodynamics of N-Formyl-1,2,3-Selenadiazolopyridines, Phosphorus, Sulfur, and Silicon, 187:515-522.
03. Sivagami, S., N.Ingarsal and V.Balasubramani. 2013. Virtual Screening and Evaluation of 4-(2-bromonaphthalene-6yl)-6- phenylpyrimidin-2- amine. International Journal of Chemistry and Applications, 5, 4: 257-265.

**Dr. M. Vellaisamy**

01. Vellaisamy, M. and G. Sankar. 2015. Kinetics and mechanism of oxidation of furfural by isonicotinium dichromate. Afinidad, LXXIII: 39-41.
02. Vellaisamy, M. and R. Santhi. 2015. Kinetics and mechanism of amyl alcohol by pyridinium bromochromate. Der Chemica Sinica, 6(4):75-78.
03. Vellaisamy, M. and K. Bhuvaneswari. 2015. Kinetics of oxidation of isoamyl alcohol by zinc dichromate. Journal of Chemical and Pharmaceutical Research, 7(2): 948-951.
04. Sekar, K.G. and M. Vellaisamy. 2013. Oxidation Of  $\alpha,\beta$ - Unsaturated Alcohols By Imidazolium Dichromate. Physical Chemistry, 8(4):132-135.
05. Vellaisamy, M. and Hinduja. 2013. Kinetics of oxidation of oxine by isoquinolinium bromochromate, J. Chem. Bio. Phy. Sci. Sec A, 2012-2013, 3 (1):70-74.
06. Vellaisamy, M. and M.Sharmila. 2013. Kinetics of oxidation of  $\alpha$ ,  $\beta$ -unsaturated alcohols by pyridinium bromo chromate. J. Chem. Pharm. Res., 5(4):29-32.
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08. Vellaisamy, M. and K. Mahalakshmi. 2012. Kinetics of oxidation of mandelic acid by imidazolium dichromate in acetic acid medium, J. Chem. Pharm. Res., 4(9):4251-4254.
09. Sekar, K.G. and M. Vellaisamy. 2012. Kinetics of oxidation of allyl alcohol by imidazoli umdichromate. Der Chemica Sinica, 3(3):703-707.
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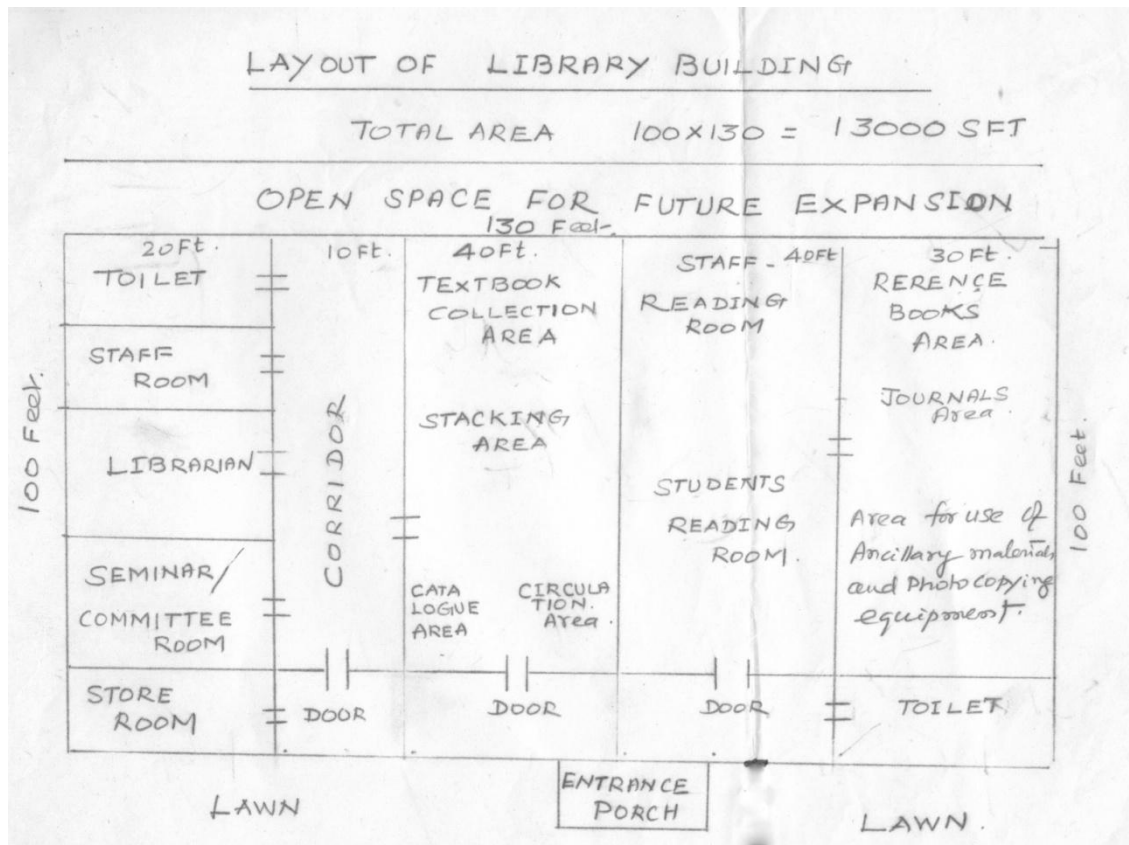
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## Annexure 4.1.

## Layout of Library



## Annexure 5.1.

## Sports Activities

Sl. No	Team	Date	Venue
<b>2010-11</b>			
01	FootBall	16.08.2010	H.H.Rajahs College Pudukkottai
02	Swimming	24.07.2010	H.H.Rajahs College Pudukkottai
03	Volley Ball	23.12.2010	Marudhu Pandiyar College Thanjavur
04	Kabadi (Women)	11.10.2010- 13.10.2010	Govt Arts College Kumbakonam
05	Cricket	23.08.2010	TBML, Porayar
06	Cilambam	10.10.2010	Sathya Stadium Thanjavur
07	Cross Country	11.08.2010	Bharathidasan University Thiruchirappalli
<b>2012-2013</b>			
01	Weightlifting M. Murugesan- Physics	08.09.2012	Weightlifting Champion meet CIT, Coimbatore II Place
<b>2013-14</b>			
01	FootBall	16.09.2013	AVVM Sri Pushpam College Poondi.
02	Swimming	02.08.2013	Sathya stadium, Thanjavur.
03	Athletics (Men)	01.10.2013- 02.10.2013	H.H.Rajahs College Pudukkottai.
04	Athletics (Women)	01.10.2013- 02.10.2013	H.H.Rajahs College Pudukkottai
05	Karate Mr. R. Karthikeyan	18.10.2013	Rotary Club Thanjavur Region Level - III
06	Kabadi (Women)	29.08.2013- 30.08.2013	AVVM Sri Pushpam College Poondi.
07	Kabadi (Men)	09.09.2013- 10.09.2013	AVVM Sri Pushpam College Poondi.
08	Chess	25.07.2013- 26.07.2013	Bishop Heber College, Thiruchirappalli

**2014-2015****National Road Cycling:**

D. Dhinesh (I B. Com) secured second place in Intercollegiate tournament and participated in the National Level Cycling Tournament conducted at GuruNak Dev University (8.3.2015 to 11.3.2015), Amritsar as one of the team members of Bharathidasan University Cycling Team.

Achievements in Bharathidasan University Inter-collegiate tournaments (2014-15).

Sl. No.	Event	Prize Won
01	Swimming	5 Gold, 1 Silver - Overall Championship
02	Cycling	II nd Prize
03	Kabadi	III rd Prize
04	Weight Lifting (Women)	II nd Prize
05	Weight Lifting(Men)	III rd Prize
06	Boxing	III rd Prize
07	Discus Throw	II nd Prize
08	Discus Throw	III rd Prize
09	Javelin Throw	II nd Prize

**Kabadi:**

Our college Kabadi Team won third prize in Intercollegiate Kabadi Tournament.

Kbadi Team Captain S. Arunesu (III B. A. Economics) was selected for University Kabadi Team and participated in the South Zone Inter-University Tournaments (20.12.2014 to 26.12.2014) held at Vels University, Chennai.

Swimming: S.ArokiyaRaj (II B. Sc. Chemistry)

Bharathidasan University Intercollegiate Tournament (19.8.2014)	50 Mts	Breast Stroke	Silver Medal
Bharathidasan University Intercollegiate Tournament	100 Mts	Breast Stroke	Gold Medal
Bharathidasan University Intercollegiate Tournament	200 Mts	Individual Medley	Gold Medal
Chief Minister Trophy- SDA TamilNadu 8.1.2015	50 Mts	Breast Stroke	First Prize
Balamurugan State Level	4 X 50	Free style	First Prize

Swimming Competition 11.1.2015	Mts	relay	
Balamurugan State Level Swimming Meet	100 Mts	Breast Stroke	Second Prize
Viruthunagar Hindu Nadar's Senthikumra Nadar College, State Level Swimming Meet 24.02.2015	100 Mts	Breast Stroke	First Prize
Chief Minister Trophy- Regional Level 27.2.2015	50 mts	Breast Stroke	Second Prize

Swimming: Y. AdaikalaRaji – II B. A. (Economics) (Overall Championship)

Bharathidasan University – Intercollegiate Tournament	100 Mts	Free Style	Gold Medal
Bharathidasan University – Intercollegiate Tournament	200 Mts	Free Style	Gold Medal
Bharathidasan University – Intercollegiate Tournament	400 Mts	Free Style	Gold Medal

Weight Lifting (Women) – A. Aarthi (I B. Sc. Chemistry)

Bharathidasan University Intercollegiate Tournament	Second Prize
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Weight Lifting (Men) – John Rock Feller, J. (II B. Com.)

Bharathidasan University Intercollegiate Tournament	Third Prize
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Boxing – John Rock Feller, J. (II B. Com)

Bharathidasan University Intercollegiate Tournament	Third Prize
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Javelin Throw – J. Veeramani (III B.A. English)

Bharathidasan University Intercollegiate Tournament	Second Prize
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Discus Throw- J.Veeramani (III BA English)

Bharathidasan University Intercollegiate Tournament	Second Prize
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Discus Throw – G.Elangovan

Bharathidasan University Intercollegiate Tournament	Third Prize
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Discus Throw – Mr. V. Manikandan-Physics

State level Sports Meet, Chennai 100 meter-06.01.2015	Participation
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Kabadi – Third Prize

Name	Class
S. Arunesu	III B.A. Economics (Tam)
Y. Raj Kumar	III B.A. Economics (Tam)
S. Arun Pandiyan	II B.A. Economics (Eng)
T. Guna Sundar	III BBA
A. Thamialagan	III Commerce
M. Amul	III B.A. Eng Lit
A. Sridhar	II B. Sc. Chemistry (Tam)
P. AjithKumar	II B. Sc. Chemistry (Tam)
P. Vignesh	II B. Sc. Zoology (Eng)
N. Vinoth	III B.A. Eng Lit
M. Balaji	II B. Sc. C.S.
P. KariKalan	II B. Sc. Physics (Tam)

## Annexure 5.2.

## Students Performance in Cultural and other related programmes

Sl.No.	Date	Name of the Event & Organiser	Student Name	Prize
<b>2010-2011</b>				
01	08.09.2010	Elocution Kalaizgher Trust, Navalar Na.Mu. Venkatasamy Nattar College, Thanjavue	S.Arokiya Steefn	III Rs.5000
02	10.10.2010	Elocution Kalaizgher Trust, Navalar Na.Mu.Venkatasamy Nattar Collge, Thanjavur	S.Kavitha	IV
03	23.12.2010	Elocution Tamilnadu Police Department, Thanjavur	S.Arokiya Steefn	I
04	23.12.2010	Elocution Tamilnadu Police Department, Thanjavur	S.Kavitha	II
05	23.12.2010	Essay Writing Tamilnadu Police Department, Thanjavur	S.Kavitha	IV
06	20.01.2011	Elocution District Colleter Office, Thanjavur	S.Arokiya Steefn	II
07	20.01.2011	Elocution District Collector Office, Thanjavur	S.Kavitha	III
08	22.01.2011	Elocution Election Commission, Thanjavur	S.Kavitha	II
09	20.02.2011	Elocution Chidambaram Ladies College, Trichirapalli	S.Arokiya Steefn	I
10	28.03.2011	Elocution Tamilnadu Forest Department, Thanjavur	S.Arokiya Steefn	III
11	28.03.2011	Elocution Tamilnadu Forest Department, Thanjavur	S.Kavitha	II
12	30.4.2011	Elocution Human Rights Kazhagam	S.Kavitha	III
<b>2011-2012</b>				



13	02.7.2011	Elocution Suthersen Engineering Collge, Sathiyamangalam	S.Kavitha	IV
14	02.07.2011	Poetry Southersen Engineering College, Sathiyamangalam	S.Kavitha	IV
15	12.11.2011	Elocution Kalai Ilakkiya Peru Mandram, Thiruvermbur	S.Kavitha	II
16	2011	Elocution Enathi Rajapa College, Pattukotai	S.Arokiya Steefn	III
17	2011	Elocution Abdul Kalam Mandram	S.Arokiya Steefn	III
18	2011	Elocution Idaya College, Kumbakonam	S.Arokiya Steefn	I
19	2011	Elocution Abdulkalam Mandram	S.Kavitha	II
20	2011	Elocution Bharath College, Thanjavur	S.Kavitha	II
21	2011	Elocution Trichirapalli Tamil Sangam	S.Kavitha	I
22	2011	Elocution Rotary Club, Thanjavur	S.Kavitha	I
23	2011	Elocution Red Cross, Thanjavur	S.Kavitha	III
<b>2013-2014</b>				
24	16.08.2013	Elocution Thiruvarul Peravai, Thanjavur	S.S.Britha	III
25	05.09.2013	Elocution Murasoli Trust, Kalaizgher Arivalayam, Thanjavur	S.S.Britha	I
26	2013	Folk Song Bharathidasan University	D.Eugin	V
27	10.01.2014	Elocution Bharathidasan University	S.S.Britha	Special Prize
28	25.01.2014	Elocution Election Commission, Thanjavur	S.S.Britha	I
29	16.02.2014	Elocution Vision Tamilnadu 2023, Thanjavur	S.S.Britha	Special prize
30	11.09.2014	Elocution Junior Chamber International	S.S.Britha	I

### Participation in Cocurricular Competitions

S. No.	Name of the event	Student Participated	Prize
<b>2014-2015</b>			
01	Mathematical Modeling Nehru Memorial College, Trichy	V. Sakthi Ayyappan	II
02	Math Model Bishop Heber College, Thiruchirapalli	K. Epsi kiruba G. Jaya lakshmi E.Sabarikrisan	-
03	Math Puzzle Bishop Heber College, Thiruchirapalli	T.Infanta Rani S. Dinesh	-
04	Debugging Bishop Heber College, Thiruchirapalli	K. Epsi kiruba G. Jaya Lakshmi E.Sabarikrisan	-
05	Guess Me Jamal Mohammed College	E.Sabarikrisan R.Dhivya K.Shanthini	-
06	Math Wonder Jamal Mohammed College	R.Elamathi M.Revathi	-
07	Master Mind Jamal Mohammed College	K. Sivananthi	-
08	Math Rangoli Jamal Mohammed College	M.Lakshmi Priya T.Priyanka	-
09	Dumb – C Jamal Mohammed College	V. Palanivel, G.Raju B.Elavarasi, T.Infanta Rani	-
10	Math Quiz Jamal Mohammed College	G. Jaya Lakshmi K. Epsi Kiruba S. Dinesh Kumar	-
11	Math Rangoli Jamal Mohammed College	D. Sathiyaraja V. Sakthi Ayyappan	I
12	Math Blaster Holy Cross College (Autonomus) Thiruchirapalli	D. Sathiyaraja V. Sakthi Ayyappan E. Sabarikrisan, S. Dinesh	-
13	Math Reckon Holy Cross College (Autonomus)	M. Revathi R.Elamathi	-
14	Math Rangoli Holy Cross College(Autonomus)	D. Sathiyaraja V. Sakthi Ayyappan	-
15	Math Intellect Holy Cross College(Autonomus)	K. Sivananthi G. Jaya lakshmi K. Epsi kiruba	-
16	Math Model Bon Secours College for Women Thanjavur	R. Elamathi	-
17	Math Fun Bon Secours College for Women	K. Raju V. Pazhanivel	-

18	Math Quiz Bon Secours College for Women	G. Jaya lakshmi K. Epsi kiruba	-
19	Math Rangoli Bon Secours College for Women	D. Sathiyaraja V. Sakthi Ayyappan	I
20	Math Mind Bon Secours College for Women	B.Elavarasi T.Infanta Rani	-
21	Math Rangoli Bon Secours College for Women	M. Revathi R.Elamathi	-
22	Math Quiz Bon Secours College for Women	M. Revathi K. Epsi Kiruba	I
23	Math Mode Bon Secours College for Women	S. Dinesh	III
<b>2013-2014</b>			
01 02 03	Multimedia Competition Web Design Debugging M.I.E.T.Arts And Science, Trichy-7 (21.02.2014)	R.Sethupathy G.Suresh Kumar G.Suresh Kumar Computer Science	First First First
04 05	AdZap Quiz Bharath College of Science and Management, Thanjavur. (05.06.2013)	A.Arunkumar A.Arunkumar	First First
<b>2012-2013</b>			
01 02	Multimedia Competition Technical Events Bharatidasan University, Thiruchirapalli (01.03.2013)	R.Sethupathy G.Suresh Kumar & N. Hariharan Computer Science	First Third
03 04 05 06	Dumb-C Spot Animation Mind Master Fallacy Chrish Raj College,Trichy (01.03.2013)	A.Vairaganesh A.Vairaganesh R.Arun Kumar R.Arun Kumar	Third Third Second Third
07 08	LAN Games AdZap Bharath College of Science and Management, Thanjavur. (05.03.2013)	G.Suresh Kumar Computer Science	First First
09 10 11	Debugging Brain Twister E-Art Care School of Computer	G.Suresh Kumar N. Hariharan A.Arunkumar A.Vairaganesh Computer Science	First Second Second Third

	Applicantion -(31.01.2013)		
12	Mind Master Adikkalamatha College , Vallam. (11.10.2012)	N.Hariharan	First
13	Quiz	N. Hariharan	First
14	Quiz	R.Arun Kumar	Third
15	Dump-Charade	N. Hariharan	Second
16	Multimedia	A.Vairaganesh	Second
17	AdZap Annai College ,Kumbakonam 09.02.2013	R.Arun Kumar	Scond
18	Who am I? Math Rangoli Rovers Arts and Science College Perambalur	G. Suganya M. Maria Niruba	-
<b>2011-2012</b>			
01	Math Quiz Holy Grass College, Trichy January 2012	G. Suganya M. Maria Niruba	-

## Annexure 6.1

## Training Undertake by Non-teaching Staff

Sl. No.	Name of the Staff & Date	Type of Training
01	Mr. M. Vijayakumar Superintendent 28.05.2014	UGC Sponsored seminar on RTI Act RSG College Thanjavur
02	Mr. M. Vijayakumar Superintendent 10.07.2013-12.07.2013	Training for Superintendents District Inspection Cell and P & AR Dept. Govt of Tamil Nadu
03	Mr. M. Vijayakumar, Superintendent 16.10.2014-17.10.2014	Litigation Management Anna Institute of Management
04	Ms. P.R.Karthiha Devi Assistant 09.01.2015	Personality Development Training Anna Institute of Management Regional Centre -Trichy
05	Ms. P.R.Karthiha Devi Assistant 26.01.2015	Workshop on Administrative Language Thanjavur District Administration Thanjavur
06	Mr. M. Vijayakumar Superintendent 24.04.2015	Seminar on Government Accounts, GPF and Pension AG's Office, Chennai

## Annexure 6.2.

## College Expenditure (Budget)

2010-2011

FINAL MODIFIED APPROPRIATION - 2010-2011						
Head of Account :		2202-03-103-AA Govt. Arts Colleges Men				
Name of the College		Rajah Serfoji Govt. College (Autonomous)				
		Thanjavur 613 005				
Sub Head	Details of head	DP CODE	Total amount allotted (BE/Addl allotment)	Expenditure	Excess (+)	Savings (-)
<b>SALARY ITEMS ( From April 2010 to March 2011)</b>						
O1.	SALARIES					
O1	Pay (including Shift II Non Teaching)	O118	35000000	48565211	13565211	0
O2.	Medical Allowance	O127	200,000	225855	25855	0
O3.	Medical Charges	O136	0	0	0	0
O4.	Other Allowances (including Pongal Bonus + Exgratia)	O145	240000	256000	16000	0
O6.	HRA	O163	1600000	2603212	1003212	0
O8.	CCA	O181	0	0	0	0
				0	0	0
O3.O1	Dearness Allowances	O314	21500000	22500000	1000000	0
<b>NON SALARY ITEMS ( From April 2010 to March 2011)</b>						
O7	Travel Concessions	O172	0	0	0	0
O2.	Wages	O207	0	0	0	0
O4.O1	Tour TA	O412	10,000	9000	0	1000
O4.O2	Transfer TA	O421	0	0	0	0
O5.O1	Telephone Charges	O510	10,000	9856	0	144
O5.O2	Other Contingencies	O529	50,000	48300	0	1700
O5.O3	Electricity Charges	O538	200000	195655	0	4345
18.01.	Periodical maintenance	1813	6,000	6000	0	0
19	Machinery & Equipments					
O1.	Purchase	1911	100000	100000	0	0
O2.	Maintenance	1939	20,000	20000	0	0
33.02.	Remuneration (Shift I	3320	2110000	2110000	0	0

	GL)					
	Remuneration (Shift II GL)	3320	2300000	2300000	0	0
47.01.	Stores & Equipments	4712	150000	150000	0	0
49	Festival Advance (Debit)	4918	800000	600000	0	200000
68	Cost of Books	6809	50,000	50000	0	0
76	Computer & Accessories					
O2.	Maintenance					
O3.	Computer Stationary					
	Introduction to CLP					
	Computer Stationary	7633	10000	10000	0	0
	2202-03-103-BD- (DIGITAL LIBRARY)					
O5.O1	Telephone Charges	O513	10000	9800	0	200
O5.O2	Other Contingencies	O522	22000	22000	0	0
76	Computer & Accessories					
O2.	Maintenance	7623	24000	24000	0	0
O3.	Computer Stationary	7632	2000	2000	0	0
	PLAN HEAD					
	2202-03-103-JB (Special Coaching for SC/ST)					
	Grant in aid	O931	0	0		0
	Capital Expenditure Autonomous Colleges					
O9.	Capital Expenditure Grant in aid	O912	18000	18000	0	0
	2202-03-103-AD- Scholarships - Tamil Medium Stipend					
12	Tamil Medium Stipend	1293	240000	240000	0	0

## 2011-2012

<b>Head of Account :</b>		<b>2202-03-103-AA Govt. Arts Colleges Men</b>				
<b>Name of the College</b>		<b>Rajah Serfoji Govt. College (Autonomous) Thanjavur 613 005</b>				
<b>Sub Head</b>	<b>Details of head</b>	<b>DP CODE</b>	<b>Total amount allotted (BE/Addl allotment)</b>	<b>Expenditure</b>	<b>Excess(+)</b>	<b>Savings (-)</b>
<b>SALARY ITEMS ( From April 2011 to March 2012)</b>						
O1.	SALARIES					
O1	Pay (including Shift II Non Teaching)	O118	45000000	59655201	14655201	0
O2.	Medical Allowance	O127	200,000	227000	27000	0
O3.	Medical Charges	O136	0	0	0	0
O4.	Other Allowances (including Pongal Bonus + Exgratia)	O145	240000	286000	46000	0
O6.	HRA	O163	1600000	2623212	1023212	0
O8.	CCA	O181	0	0	0	0
O3.O 1.	Dearness Allowances	O314	23000000	33600000	10600000	0
<b>NON SALARY ITEMS ( From April 2011 to March 2012)</b>						
O7	Travel Concessions	O172	0	0	0	0
O2.	Wages	O207	0	0	0	0
O4.O1	Tour TA	O412	15,000	14600	0	400
O4.O2	Transfer TA	O421	5,000	5000	0	0
O5.O1	Telephone Charges	O510	12,000	11600	0	400
O5.O2	Other Contingencies	O529	60,000	60000	0	0
O5.O3	Electricity Charges	O538	250000	249000	0	1000
18.O1	Periodical maintenance	1813	8,000	8000	0	0
<b>19 Machinery &amp; Equipment</b>						
O1.	Purchase	1911	140000	148800	0	-8800
O2.	Maintenance	1939	20,000	19800	0	200
33.O2.	Remuneration (Shift I GL)	3320	2110000	2110000	0	0
	Remuneration (Shift II GL)	3320	2300000	2300000	0	0
47.O1.	Stores & Equipments	4712	180000	175000	0	5000



49	Festival Advance (Debit)	4918	800000	600000	0	200000
68	Cost of Books	6809	60,000	60000	0	0
76	Computer & Accessories					
O2.	Maintenance					
O3.	Computer Stationary					
	Introduction to CLP					
	Computer Stationary	7633	11400	11400	0	0
	2202-03-103-BD- (DIGITAL LIBRARY)					
O5.O1	Telephone Charges	O513	12000	11985	0	15
O5.O2	Other Contingencies	O522	22000	22000	0	0
76	Computer & Accessories					
O2.	Maintenance	7623	24000	24000	0	0
O3.	Computer Stationary	7632	2000	2000	0	0
	PLAN HEAD					
	2202-03-103-JB (Special Coaching for SC/ST)					
	Grant in aid	O931	0	0		0
O9.	Capital Expenditure Grant in aid	O912	18000	18000	0	0
	2202-03-103-AD- Scholarships - Tamil Medium Stipend					
12	Tamil Medium Stipend	1293	240000	240000	0	0

## 2012-2013

FINAL MODIFIED APPROPRIATION - 2012-2013						
Head of Account :		2202-03-103-AA Govt. Arts Colleges Men				
Name of the College		Rajah Serfoji Govt. Arts College (Autonomous)				
		Thanjavur 613 005				
Sub Head	Details of head	DP CODE	Total amount allotted (BE/Addl allotment)	Expenditure	Excess (+)	Savings (-)
SALARY ITEMS ( From April 2012 to March 2013)						
O1.	SALARIES					
O1	Pay (including Shift II Non Teaching)	O118	38000000	49635221	11635221	0
O2.	Medical Allowance	O127	150,000	186312	36312	0
O3.	Medical Charges	O136	0	0	0	0
O4.	Other Allowances (including Pongal Bonus + Exgratia)	O145	240000	279625	39625	0
O6.	HRA	O163	1600000	2623212	1023212	0
O8.	CCA	O181	0	0	0	0
O3.O1	Dearness Allowances	O314	31000000	44656855	13656855	0
NON SALARY ITEMS ( From April 2012 to March 2013)						
O7	Travel Concessions	O172	0	0	0	0
O2.	Wages	O207	0	0	0	0
O4.O1	Tour TA	O412	0	0	0	0
O4.O2	Transfer TA	O421	0	0	0	0
O5.O1	Telephone Charges	O510	12,000	11005	0	995
O5.O2	Other Contingencies	O529	60,000	59600	0	400
O5.O3	Electricity Charges	O538	250000	248988	0	1012
18.O1	Periodical maintenance	1813	8,000	8000	0	0
19	Machinery & Equipments					
O1.	Purchase	1911	140000	148800	0	-8800
O2.	Maintenance	1939	20,000	19800	0	200
33.O2	Remuneration (Shift I GL)	3320	2110000	2110000	0	0
	Remuneration	3320	2300000	2300000	0	0

	(Shift II GL)					
47.01	Stores & Equipments	4712	175000	175000	0	0
49	Festival Advance (Debit)	4918	800000	600000	0	200000
68	Cost of Books	6809	60,000	60000	0	0
76	Computer & Accessories					
O2.	Maintenance					
O3.	Computer Stationary					
	Introduction to CLP					
	Computer Stationary	7633	11400	11400	0	0
	2202-03-103-BD- (DIGITAL LIBRARY)					
O5.O1	Telephone Charges	O513	12000	11985	0	15
O5.O2	Other Contingencies	O522	22000	22000	0	0
76	Computer & Accessories					
O2.	Maintenance	7623	24000	24000	0	0
O3.	Computer Stationary	7632	2000	2000	0	0
	PLAN HEAD					
	2202-03-103-JB (Special Coaching for SC/ST)					
	Grant in aid	O931	0	0		0
O9.	Capital Expenditure Grant in aid	O912	18000	18000	0	0
	2202-03-103-AD- Scholarships - Tamil Medium Stipend					
12	Tamil Medium Stipend	1293	240000	240000	0	0

## 2013-2014

FINAL MODIFIED APPROPRIATION - 2013-2014						
Head of Account :		2202-03-103-AA Govt. Arts Colleges Men				
Name of the College		Rajah Serfoji Govt. College (Autonomous)				
		Thanjavur 613 005				
Sub Head	Details of head	DP COD E	Total amount allotted (BE/Addl allotment)	Expenditure	Excess (+)	Savings (-)
SALARY ITEMS ( From April 2013 to March 2014)						
O1.	SALARIES					
O1	Pay (including Shift II Non Teaching)	O118	40000000	59120833	19120833	0
O2.	Medical Allowance	O127	150,000	194311	44311	0
O3.	Medical Charges	O136	0	0	0	0
O4.	Other Allowances (including Pongal Bonus + Exgratia)	O145	240000	298277	58277	0
O6.	HRA	O163	1600000	2610224	1010224	0
O8.	CCA	O181	0	0	0	0
				0	0	0
O3.O1	Dearness Allowances	O314	32000000	52175509	20175509	0
NON SALARY ITEMS ( From April 2013 to March 2014)						
O7	Travel Concessions	O172	0	0	0	0
O2.	Wages	O207	0	0	0	0
O4.O1	Tour TA	O412	0	0	0	0
O4.O2	Transfer TA	O421	0	0	0	0
O5.O1	Telephone Charges	O510	12,000	9516	0	2484
O5.O2	Other Contingencies	O529	60,000	59901	0	99
O5.O3	Electricity Charges	O538	250000	237738	0	12262
18.01	Periodical maintenance	1813	8,000	8000	0	0
19	Machinery & Equipments					
O1.	Purchase	1911	140000	128007	0	11993
O2.	Maintenance	1939	20,000	19769	0	231
33.02	Remuneration	3320	2110000	2090000	0	20000

	(Shift I GL)					
	Remuneration (Shift II GL)	3320	2300000	2250000	0	5000 0
47.01	Stores & Equipments	4712	175000	170905	0	4095
49	Festival Advance (Debit)	4918	800000	600000	0	2000 00
68	Cost of Books	6809	60,000	60000	0	0
76	Computer & Accessories					
O2.	Maintenance					
O3.	Computer Stationary					
	Introduction to CLP					
	Computer Stationary	7633	11400	11400	0	0
	2202-03-103-BD- (DIGITAL LIBRARY)					
O5.O1	Telephone Charges	O513	12000	11746	0	254
O5.O2	Other Contingencies	O522	22000	22000	0	0
76	Computer & Accessories					
O2.	Maintenance	7623	24000	24000	0	0
O3.	Computer Stationary	7632	2000	2000	0	0
	PLAN HEAD					
	2202-03-103-JB (Special Coaching for SC/ST)					
	Grant in aid	O931	0	0		0
O9.	Capital Expenditure Grant in aid	O912	18000	17990	0	10
	2202-03-103-AD- Scholarships - Tamil Medium Stipend					
12	Tamil Medium Stipend	1293	235200	235200	0	0

## 2014-2015

FINAL MODIFIED APPROPRIATION - 2014-2015( II ROUND) - SURRENDER STATEMENT						
Head of Account :		2202-03-103-AA Govt. Arts Colleges Men				
Name of the College		Rajah Serfoji Govt. College (Autonomous) Thanjavur 613 005				
Sub Head	Details of head	DP CODE	Total amount allotted (BE/Addl allotment)	Expenditure	Excess (+)	Savings (-)
<b>SALARY ITEMS ( From April 2014 to March 2015)</b>						
O1.	SALARIES					
O1	Pay (including Shift II Non Teaching)	O118	44053400	53905991	9852591	0
O2.	Medical Allowance	O127	150,000	175550	25550	0
O3.	Medical Charges	O136	0	0	0	0
O4.	Other Allowances (including Pongal Bonus + Exgratia)	O145	240000	255453	15453	0
O6.	HRA	O163	1600000	2290804	690804	0
O8.	CCA	O181	0	0	0	0
				0	0	0
O3.O1	Dearness Allowances	O314	44000000	57016708	13016708	0
<b>NON SALARY ITEMS ( From April 2014 to March 2015)</b>						
O7	Travel Concessions	O172	0	0	0	0
O2.	Wages	O207	0	0	0	0
O4.O1	Tour TA	O412	10,000	9924	0	76
O4.O2	Transfer TA	O421	5,000	3193	0	1807
O5.O1	Telephone Charges	O510	20,000	7135	0	12865
O5.O2	Other Contingencies	O529	70,000	69961	0	39
O5.O3	Electricity Charges	O538	250000	237365	0	12635
18.O1	Periodical maintenance	1813	8,000	7250	0	750
19	Machinery & Equipments					
O1.	Purchase	1911	200000	199977	0	23
O2.	Maintenance	1939	20,000	19850	0	150

33.02.	Remuneration (Shift I GL)	3320	1930000	1864838	0	65162
	Remuneration (Shift II GL)	3320	2530000	2518144	0	11856
47.01	Stores & Equipments	4712	200000	199981	0	19
49	Festival Advance (Debit)	4918	800000	580000	0	220000
68	Cost of Books	6809	170,000	169901	0	99
76	Computer & Accessories					
O2.	Maintenance					
O3.	Computer Stationary					
	Introduction to CLP					
	Computer Stationary	7633	11050	11050	0	0
	2202-03-103-BD- (DIGITAL LIBRARY)					
O5.O1	Telephone Charges	O513	25000	24778	0	222
O5.O2	Other Contingencies	O522	22000	22000	0	0
76	Computer & Accessories					
O2.	Maintenance	7623	24000	24000	0	0
O3.	Computer Stationary	7632	2000	2000	0	0
	PLAN HEAD					
	2202-03-103-JB (Special Coaching for SC/ST)					
	Grant in aid	O931	10000	9998		2
O9.	Capital Expenditure Grant in aid	O912	18000	17815	0	185
	2202-03-103-AD- Scholarships - Tamil Medium Stipend					
12	Tamil Medium Stipend	1293	251600	234400	0	17200

## Annexure 6.3.

Details of research fellowship/scholarships availed during the assessment period

Sl. No.	Year	Scholar Name	Details of Fellowship
<b>Economics</b>			
01	2013-14	C. Sakhi	M. Phil. Research Grant Malcolm & Elizabeth Adiseshiah Trust, Chennai
02	2013-14	C. Ravindran	Research Grant for Ph.D. Malcolm & Elizabeth Adiseshiah Trust, Chennai
03	2015-16	M.Rajesh	RGNF-UGC
<b>Zoology</b>			
04	2009-10	MC. Vachant	
	2010-11	P. Ramya	RGNF-UGC
05	2009-10	Jeevithan	UGC-Project Fellow
06	2010-12	Rajeshwari	UGC-Project Fellow
07	2011-12	D.Kalaiselvan	CICT-Project Assistant
08	2011-14	T.Prabu	DST-SERC Fast Tract Project Assistant
09	2012-13	P. Sangeetha	RGNF-UGC
10	2012-13	J. Babitha	RGNF-UGC
11	2012-15	G.Ganamuthu	UGC-Project Fellow
12	2012-15	R. Dhanapal	UGC-Project Fellow
13	2013-16	S. Kothandapandi	UGC-Project Fellow
14	2014-15	S.Bhakya	RGNF-UGC
15	2013-14	K.Dass	State Government Scholarship for SC/STs
16	2013-14	C.Raju	State Government Scholarship for SC/STs
17	2013-14	T.Siva	State Government Scholarship for SC/STs
18	2013-14	K. Sathishkumar	State Government Scholarship for SC/STs
19	2013-14	A. Ilavarasan	DCE Scholarship
<b>Tamil</b>			
20	2011-12	M. Vasuki	CICT-Project Assistant
21	2012-13	V. Akalya	RGNF-UGC
22	2014-15	P.Vidhya	UGC-JRF
23	2013-14	V. Gagendiran	UGC-JRF



24	2013-14	T. Pothumponnu	RGNF-UGC
25	2013-14	J.Karikalan	State Government Scholarship for SC/STs
26	2013-14	K. Sivasankari	State Government Scholarship for SC/STs
27	2013-14	V. Ganga	State Government Scholarship for SC/STs
28	2013-14	B. Saranya	State Government Scholarship for SC/STs
29	2013-14	T. Ranjithkumar	State Government Scholarship for SC/STs
28	2013-14	A. Puratchidasan	DCE Scholarship
29	2013-14	K. Karthikeyan	DCE Scholarship
30	2013-14	K. Karthikeyan	DCE Scholarship
31	2013-14	G. Ganesamoorthy	DCE Scholarship
<b>Physics</b>			
32	2012-16	V.Baskaran	UGC-Project Fellow
33	2013-14	K. Vinoth	State Government Scholarship for SC/STs
<b>Chemistry</b>			
34	2013-14	N. Prakash	State Government Scholarship for SC/STs
<b>Management Studies</b>			
35	2013-14	G. Prabakaran	RGNF- UGC
36	2013-14	M. Sakthivel	State Government Scholarship for SC/STs