

SELF STUDY REPORT



MAHENDRA
ARTS & SCIENCE COLLEGE
(Autonomous)

Kalippatti (Po.), Tiruchengode (Tk.),
Namakkal (Dt.) - 637 501, Tamil Nadu.
www.mahendraarts.org / www.mahendrainstitutions.com

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Mahendra Arts & Science College (Autonomous)

PREFACE

We take immense pleasure in submitting the Self Study Report (SSR) to the National Assessment and Accreditation Council (NAAC), which reflects the seven criteria prescribed by the NAAC, as an end result of the continuous efforts towards the enhancement of quality in Academia and Administration.

Mahendra Educational Trust was established in the year 1978 with the basic principle of promoting purposeful, goal-oriented technical education for the betterment of rural community and to provide excellence in the field of Arts and Science. The Mahendra Institutions constitute Arts & Science College, five Engineering colleges namely Mahendra Engineering College, Mahendra College of Engineering, Mahendra Institute of Technology, Mahendra Engineering College for Women and Mahendra Institute of Engineering and Technology in addition to polytechnic college, Teacher Training Institute and College of Education, Mahendra International School & Matric Schools. Currently these institutions offer several diploma courses, undergraduate programmes in Engineering, Technology, Computer Applications, Business Administration, Arts and Applied Sciences. The institution attracts outstanding students by virtue of discipline, modern infrastructure, library, faculty and cosmopolitan culture prevailing on the campus. The institutions are certified as e-Governance campus.

The Mahendra Arts & Science College was started in the academic year 1999-2000 with the affiliation of Periyar University, Salem. It is a magnificent institution with all the needed facilities and required equipments. It has got a well-established library, well equipped laboratories, spacious playgrounds, transport and above all, well qualified and dedicated staff members. All of these together help to impart a high standard of education to the rural community.

Education is a continuous process and Mahendra Arts & Science College will remain in the forefront and will strive to provide quality education coupled with the latest in infrastructure facilities, which will leave a long lasting impression in the minds and hearts of all the students, parents, staff and dignitaries who have been fortunate enough to be associated with it and have passed through the portals of this "Temple of Learning".

Mahendra Arts & Science College (Autonomous)

EXECUTIVE SUMMARY



The Mahendra Educational Trust was founded in the year 1978 by Sri M.G. Bharathkumar, a renowned educationist with an object of imparting high standard of education to the rural children. The Trust is located at Kalippatti mid-way between Salem and Tiruchengode. Thriu.M.G. Bharathkumar, The Chairman of the Trust is assisted by the governing and advisory councils in matter of policy, mission, development and planning for the continual improvement in imparting higher education. Mrs.B.Valliyammal Bharathkumar, a best teacher awardee, is the Secretary of the Trust. Mr.Ba.Mahendhiran and Mr.Maha Ajay Prasath, are the Managing Directors.

The Trust has been running since 1978, Mahendra Matriculation Higher Secondary School which aims at Quality Education to the students with high degree of discipline. Despite a fairly long distance, many residents of Salem city, Namakkal and its suburbs have admitted their children in Mahendra Matriculation Higher Secondary School with the intention of providing the best Education to their children.

The Trust lays stress on giving quality education and maintaining high degree of discipline. In deference to the wishes of the elite and to meet the demands of the commoners of Tiruchengode, Namakkal and Salem city, the trust started several schools and colleges.

The Mahendra Educational Institutions functioning under the Trust is serving Mahendra Arts & Science College (Autonomous), Five Engineering Colleges, namely Mahendra Engineering College (Autonomous), Mahendra College of Engineering, Mahendra Institute of Technology, Mahendra Engineering College for Women and Mahendra Polytechnic College. Dr. R. Samson Ravindran is serving as a Executive Director of

Mahendra Arts & Science College (Autonomous)

Mahendra Educational Institutions. The trust is known for its educational values right from 1978 when we started the Matriculation School in a rural area of the then Salem District. Now we are running three Teacher Training Institutes, a State Board School, two Matriculation Schools, and three Colleges of Education.

The Mahendra Arts & Science College was started in the academic year 1999-2000 with the affiliation of Periyar University, Salem. It is a magnificent institution with all the needed facilities and required equipments. It has got a well-established library, well equipped laboratories, spacious playgrounds, transport and above all, well qualified and dedicated staff members. All of these together help to impart a high standard of education to the rural community.

Mahendra Arts & Science College (Autonomous)

VISION

To provide good education hybridized with good conduct and character to the rural based students by providing all infrastructure facilities. Empowerment through competency development and ethical foundation.

MISSION

- To impart quality education with good conduct and character.
- To adopt new techniques to improve students skills.
- To train them to overcome any critical situation.
- To develop leadership qualities.
- To train them to become good citizens.
- To create better opportunities for employment.
- Providing infrastructural facilities to meet the contemporary needs
- Inculcating the spirit of Inquiry
- Adopting learner centered approach
- Empowering ICT for effective teaching learning and evaluation
- Practicing fair and just methods of assessment and evaluation
- Enhancing growth opportunities for employability
- Sustaining transparency in institutional governance
- Fostering value practices and social responsibility
- Focusing on continuous improvement through comprehensive feedback

Institutional vision / mission are reflected in the academic programmes of the institution.

Mahendra Arts & Science College (Autonomous)

THE SWOC ANALYSIS OF THE INSTITUTION

STRENGTHS

1. Institute is certified for ISO 9001:2008 and Environmental Management System ISO 14001:2004 International standards.
2. College has been included in UGC 2(f) and 12(B) List.
3. College has been conferred the Autonomy in the year 2015.
4. Well Experienced Faculty.
5. Good placement record.
6. Pollution free learning environment
7. Well disciplined students.
8. Supportive & Cooperative management
9. Adequately equipped Laboratories as per university syllabus
10. Well-equipped Library
11. Mentorship practice has yielded good results in improvement of students overall development.
12. High-profiled and sophisticated communication lab, NPTEL, Moodle facility to the faculty and students.
13. Well equipped Gymnasium and indoor games facility.

WEAKNESSES

1. Rural background students with moderate cut off marks.
2. Creating and providing consultancy services to the industry and society and undergoing funded projects.
3. Lack of patents, advanced research and socio-economic activities and thrust areas.

Mahendra Arts & Science College (Autonomous)

OPPORTUNITIES

1. Offering skilled based programmes for local community.
2. Obtaining autonomous status.
3. Providing tailor made continuing education programmes
4. Generating revenue through sponsored research and consultancy from industry.
5. Training hub for industries through Continuing Education Program.

CHALLENGES

1. Mushrooming growth of Arts and Science colleges in the state will increase competition in attracting good faculty and students.
2. Rural student's poor communication skills are a major constraint in getting placements.
3. Making the rural background students with poor admission making them learn and adapt to the demanding industrial needs.
4. Industrial recession and fluctuating demand and placement opportunities.

Mahendra Arts & Science College (Autonomous)

Profile of the Intitution

1. Name and address of the College:

Name	: Mahendra Arts & Science College (Autonomous)
Address	: Kalippatti Post, Tiruchengode Taluk
City	: Namakkal District
State	: Tamil Nadu
Website	: www.mahendraarts.org
Email	: principal@mahendraarts.org

2. For communication:

Designation	Name	Telephone with STDcode	Mobile	Fax	E-mail
Principal	Prof. Dr. R.K. Vaithiyanathan	04288-288302	9894715164	04288-288302	principal@mahendraarts.org
Steering Committee Co-ordinator	Dr.S.Kumaravel	04288-288302	9865034707	04288-288302	hodcs@mahendraarts.org

3. Status of the Autonomous College Management.

- (i) Government
(ii) Private
(iii) Constituent College of the University

✓

4. Name of University to which the College is affiliated

Periyar University,
Salem

5. a. Date of establishment, prior to the grant of 'Autonomy'

20.07.1999

b. Date of grant of 'Autonomy' to the College by UGC

29.04.2015

Mahendra Arts & Science College (Autonomous)

6. Type of institution

a. By gender

(i) For Men

(ii) For Women

(iii) Co-education

b. By Shift

(i) Regular

(ii) Day

(iii) Evening

c. Source of funding

(i) Government

(ii) Grant-in-aid

(iii) Self-financing

(iv) Any other (Please specify) partially aided

7. Is it a recognized minority institution?

Yes

No

If yes specify the minority status (Religious/linguistic/ any other) and provide Documentary evidence.

NA

8. a. Details of UGC recognition

Under Section	Date, Month & Year	Remarks (If any)
i. 2(f)	22.06.2005	
ii. 12(B)	18.02.2015	

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

Under Section/ clause	Day, Month and Year (dd-mm-yyyy)	Validity	Programme/ institution	Remarks
Not Applicable				

Mahendra Arts & Science College (Autonomous)

9. Has the College been recognized?

a). By UGC as a 'College with Potential for Excellence' (CPE)?

Yes	
No	✓

If yes, date of recognition

NA

b). For its contributions/performance by any other governmental agency?

Yes	
No	✓

If yes, Name of the agency

Not Applicable

10. Location of the campus and area:

Location	Kalippatti, Tiruchengode (Tk)
Campus area in Sq.mts or acres	46012.7 sq. mts
Built-up area in sq.mts.	15759 sq. mts.

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

• Auditorium/seminar complex	✓
• Sports facilities	
* Playground	✓
* Swimming pool	×
* Gymnasium	✓
• Hostel	
* Boys' hostels	✓
* Girls' hostels	✓
• Residential facilities	
* For teaching staff	✓
* For non- teaching staff	×

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• Cafeteria	<input checked="" type="checkbox"/>
• Health centre staff-	
* Qualified doctor	<input checked="" type="checkbox"/>
* Qualified Nurse	<input checked="" type="checkbox"/>
• Other facilities	
* Bank	<input checked="" type="checkbox"/>
* ATM	<input checked="" type="checkbox"/>
* Post Office	<input type="checkbox"/>
* Bookshops	<input checked="" type="checkbox"/>
• Transport facilities	
* For students	<input checked="" type="checkbox"/>
* For staff	<input checked="" type="checkbox"/>
* Powerhouse	<input checked="" type="checkbox"/>
* Waste management facility	<input checked="" type="checkbox"/>

12.Details of programmes offered by the Institution: (Give data for the current academic year 2015-16)

Sl. No.	Programme Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student intake	No. of students admitted
1	UG	B.A Tamil	3	+2 Pass	Tamil	70	37
		B.A English	3	+2 Pass	English	140	80
		B.Sc. Mathematics	3	+2 Pass	English	140	140
		B.Sc. Physics	3	+2 Pass	English	90	82
		B.Sc. Chemistry	3	+2 Pass	English	90	80
		B.Sc. Biotechnology	3	+2 Pass	English	90	71
		B.Sc. Computer Science	3	+2 Pass	English	150	82
		BCA	3	+2 Pass	English	200	70
		B.Com.	3	+2 Pass	English	140	56
		B.Com. Computer	3	+2 Pass	English	140	113
		BBA	3	+2 Pass	English	140	36

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		M.A Tamil	2	B.A / B.Lit., Tamil	Tamil	46	02
		M.A English	2	B.A English	English	46	14
2	PG	M.Sc. Mathematics	2	B.Sc. Mathematics	English	46	24
		M.Sc. Physics	2	B.Sc. Physics	English	40	04
		M.Sc. Chemistry	2	B.Sc. Chemistry	English	40	06
		M.Sc. Analytical Chemistry	2	B.Sc. Chemistry	English	40	-
		M.Sc. Biotechnology	2	B.Sc. Biotechnology / Botany / Zoology	English	80	03
		M.Sc. Computer Science	2	B.Sc. Computer Science / B.Sc. IT / BCA	English	40	16
		M.Com.	2	B.Com.	English	46	09
		M.Com. Computer Applications	2	B.Com./ B.Com Computer Applications	English	46	05
		MSW Social Work	2	Any UG Degree	English	46	03
3	Integrated Masters	-Nil-					
4	M.Phil.	Tamil	FT (1 Yr.)	M.A. Tamil	Tamil	30	18
		Mathematics		M.Sc.	English	20	23
		Physics	PT (2 Yrs.)	M.Sc.	English	15	11
		Chemistry		M.Sc.	English	20	08
		Computer Science		MCA / M.Sc.	English	25	05
		Biotechnology		M.Sc. Biotechnology	English	20	03
		Commerce		M.Com / M.Com CA	English	20	10
5	Ph.D.	Tamil Chemistry Biotechnology Commerce	FT / PT	A Master Degree in the relevant subject	Tamil English English English	-	-

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6	Integr ated	-Nil-					
7	Diploma	-Nil-					
8	PG Diploma	-Nil-					
10	Certificate Course : UGC sponsored courses continued under Management scheme						
				-Nil-			
11	Diploma : UGC sponsored courses continued under Management scheme						
				-Nil-			
12	Advanced Diploma : UGC sponsored courses continued under Management scheme						
				-Nil-			
	Advanced Diploma : UGC scheme						
			-Nil-				
13	Foundation Course- UGC Scheme						
			-Nil-				

13. Does the institution offer self-financed Programmes?

Yes

No

If yes, how many?

33

14. Whether new programmes have been introduced during the last five years?

Yes

No

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15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars	Number	Number of Students
Science		
Undergraduate Mathematics, Physics, Chemistry, Bio-Technology, Computer Science & Applications	05	1345
Postgraduate Mathematics, Physics, Chemistry, Bio-Technology, Computer Science & Applications	05	152
Research centre(s) Mathematics, Physics, Chemistry, Bio-Technology, Computer Science & Applications	05	50
Arts		
Undergraduate Tamil, English	02	374
Postgraduate Tamil, English, Social Work	03	59
Research centre(s) Tamil	01	18
Commerce		
Undergraduate Commerce	01	668
Postgraduate Commerce	01	40
Research centre(s) Commerce		10
Any Other (please specify)		
Undergraduate	-	-
Postgraduate	-	-
Research centre(s)	-	-

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16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.–

No

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, MSc, BCom etc.)

a. Annual system

11

b. Semester system

22

c. Trimester system

18. Number of Programmes with

a. Choice Based Credit System

33

b. Inter/multi disciplinary approach

c. Any other(specify)

19. Unit Cost of Education

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

a. Including the salary component

12627/-

b. Excluding the salary component

6953/-

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes

No

✓

If yes,

a. How many years of standing does the department have?.....years

b. NCTE recognition details (if applicable)

Notification No.: Date:(dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes

No

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21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?

Yes	<input type="text"/>
No	<input checked="" type="checkbox"/>

If yes,

- a. How many years of standing does the department have?.....years
- b. NCTE recognition details (if applicable)

Notification No.: Date:.....(dd/mm/yyyy)

- c. Is the department opting for assessment and accreditation separately?
Yes No

22. Whether the College is offering professional programme?

Yes	<input type="text"/>
No	<input checked="" type="checkbox"/>

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken thereupon.

- NA-

24. Number of teaching and non-teaching positions in the College

UG + PG										
Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned by the UGC /University/ State Government										
<i>Recruited</i>										
<i>Yet to recruit</i>										
Sanctioned by the Management/Society or other authorized bodies	11		10		109		23		03	
<i>Recruited</i>	10	01	07	03	53	56	10	13	03	-
<i>Yet to recruit</i>										

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*M-Male*F-Female

25. Qualifications of the teaching staff -(UG+PG)/ GC State Government

Highest qualification	Professor		Associate Professor		Assistant Professor/ Lecturer		Total
	M	F	M	F	M	F	
Permanent Teachers							
D. Sc/D.Litt.							
Ph.D	09	01	07	03	07	07	34
M.Phil					27	23	50
PG					20	26	46
Temporary Teachers							
Ph.D							
M.Phil							
PG							
Part Time Teachers (Not included in the total faculty strength)							
Ph.D							
M.Phil							
PG							

Management PG

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
Permanent Teachers							
D. Sc/ D.Litt.							
Ph.D	-Not Applicable-						
M.Phil							
PG							
Temporary Teachers							
Ph.D							
M.Phil							
PG							
Part Time Teachers							
Ph.D							
M.Phil							
PG							

26. Number of Visiting Faculty/ Guest Faculty engaged by the College

-Nil-

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27. Students enrolled in the College during the current academic year, with the following details:

Students	UG		PG		Integrat ed		M.Phil		Ph.D.		Integr ated		D.Litt. /D.Sc.		Certificate		Diploma		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the State Where the College is located	430	416	42	46	-	-	35	46	-	-	-	-	-	-	-	-	-	-	-	-
From other States of India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NRI students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Foreign students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	430	416	42	46	-	-	35	46	-	-	-	-	-	-	-	-	-	-	-	-

*M-Male F-Female

28. Dropout rate in UG and PG (average for the last two batches)

Dropout Rate	UG	PG
2011-2014	04.72 %	04.12%
2012-2015	04.21%	03.91%

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

181

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

UG	169
PG	169

31. Is the College registered as a study centre for offering distance education programmes for any University?

Yes	✓
No	

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If yes, provide the

- a. Name of the University : Annamalai University, Chidambaram, Tamilnadu
- b. Is it recognized by the Distance Education Council? -

Yes

- c. Indicate the number of programmes offered.

UG	–	10
PG	–	10
PG Diploma	–	04
Diploma	–	05
Certificate Course	–	01

32. Provide Teacher-student ratio for each of the programme /course offered
Enclosed Annexure – A

33. Is the College applying for?Accreditation:

Cycle1	<input type="text"/>
Cycle2	<input type="text"/>
Cycle3	<input type="text"/>
Cycle4	<input type="text"/>
Re-assessment	<input checked="" type="checkbox"/>

34. Date of accreditation*(applicable for Cycle2, Cycle3, Cycle4 and re-assessment only)

Cycle1	<input type="text" value="05/05/2014"/>
Cycle2	<input type="text"/>

Note: Kindly enclose copy of accreditation certificate(s) and peer team report(s)

Cycle 1 refers to first accreditation; Cycle 2 and beyond to reaccreditation

35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)

b. Dates of submission of Annual Quality Assurance Reports (AQARs).

(i) AQAR for year-----	
(ii) AQAR for year---- on-----	
(iii) AQAR for year---- on-----	
(iv) AQAR for year---- on-----	
(v) AQAR for year----- on-----	

Note: Since we are going for Reassessment as there are lot of changes viz College became Autonomous, Hence AQAR though prepared but not uploaded in NAAC website.

36. Any other relevant data, the College would like to include.(Not exceeding one page)

Growth Dynamics in 14 years

- Students 39 times (70→2716)**
- Faculty 13 times (10->130)**
- Non – Teaching Staff 12 times (2 → 26)**
- Programmes 6 times (5→33)**
- Class Room Facilities 18 times(4 →74)**
- Laboratories 14 times (1→14)**
- Computer Systems 8 times (32 →250)**
- Transport Facilities for the Students 22 times(2→45)**
- Inmates in the Hostel 22 times (3 →65)**

CRITERION I : CURRICULAR ASPECTS

1.1 Curricular Design and Development

1.1.1. How are the institutional vision / mission reflected in the academic Programmes of the institution?

Vision and mission statements are the core of strategic planning of the college. It is drawn through a series of exercises involving key stakeholders.

Vision

To provide good education hybridized with good conduct and character to the rural based students by providing all infrastructure facilities. Empowerment through competency development and ethical foundation

Mission

- To impart quality education with good conduct and character.
 - To adopt new techniques to improve students skills.
 - To train them to overcome any critical situation.
 - To develop leadership qualities.
 - To train them to become good citizens.
 - To create better opportunities for employment.
 - Providing infrastructural facilities to meet the contemporary needs
 - Inculcating the spirit of Inquiry
 - Adopting learner centered approach
 - Empowering ICT for effective teaching learning and evaluation
 - Practicing fair and just methods of assessment and evaluation
 - Enhancing growth opportunities for employability
 - Sustaining transparency in institutional governance
 - Fostering value practices and social responsibility
 - Focusing on continuous improvement through comprehensive feedback
- Institutional vision / mission are reflected in the academic programmes of the institution.

1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process.

Curriculum is designed, keeping in mind the course objectives, expected learning outcome and relevance. Information pertaining to the curricular contents is pooled through

- Referring curricula of reputed institutions/universities in India and abroad
- Collecting feedback from employers and alumni
- Content development workshops
- Whenever a new course is introduced a need assessment is made. All the information gathered are presented in the BOS meetings for approval before its introduction.

1.1.3 How does the college involve industry, research bodies, and civil society in the curriculum design and development process? How did the college benefit through the involvement of the stakeholders?

Feedback from industries is obtained during campus recruitment and industrial visits. The alumni employed in industries and corporate sectors keep updating the institution on contemporary needs. Experts from reputed research institutes and civil society invited for various academic programmes also provide information on curricular aspects. Students after attending summer fellowships update with latest curricular needs.

- The statutory bodies like BOS, Academic Council and Governing Body and IQAC include experts from academics, industry, research bodies and civil society.
- Experts from industry and academia are invited as resource persons to seminars/workshops/conferences organised by the college.
- Some of the PG departments have representatives of alumni in their BOS.

Some of the initiatives of the college such as video editing, e-filing, anchoring workshops, R-language in statistics, practical component in Tamil and English languages are the outcomes of the interactions with the industry, research bodies etc.

1.1.4 How are the following aspects ensured through curriculum design and development? *Employability *Innovation *Research Employability

Employability

Attempts to ensure employability are as follows:

- The curricula of UG and PG courses like Biotechnology, Biochemistry, Social Work, Commerce etc., are designed to meet industry requirements. Introduction of many postgraduate programmes have provided vertical mobility to further employment opportunities.
- Offering additional Career Oriented Courses in Tax management, Insurance, Tourism, Animation and Visual Effects and Web Designing.
- Conducting soft skill training.
- Incorporating activities such as Fieldwork, Summer Placement, Project Work and Block Placement in the curriculum.
- Offering electives/specializations in human resource management, financial management, banking, taxation, monetary economics, public economics for BBM, BCom and BA students.
- Designing a curriculum which enables students to face competitive exams like Civil Services, UGC NET / SET examinations, etc.

Innovation

The autonomous status allows the college to evolve innovative courses/programmes which are helpful in achieving academic excellence.

A list of such courses is as follows:

- PG Diploma programmes in Human Resource Management BA with optional like Journalism, English and Public Administration

- **Choice-Based Credit System** is followed in all **PG Programmes**
- Interdisciplinary postgraduate programmes in Biochemistry, Biotechnology, Computer Science & Applications, Commerce
- **Interdisciplinary experiments and project work** for science students.

Research

- The research methodology is introduced as a mandatory paper in some postgraduate programmes.
- Project Work/ Dissertation are made an integral part of curricula.
- Students and teachers are encouraged to take up research projects, present papers in seminars and conferences and also to publish papers.
- Socio-economic and base line surveys are undertaken as a part of social work camp.
- Star college scheme helps in inculcation of research culture and promotion of creativity among undergraduate science students.

1.1.5 How does the college ensure that the curriculum developed addresses the needs of the society and have relevance to the regional /national developmental needs?

The curricular programmes are planned and prepared to sensitise the students to local, regional, national and global needs and create interest in higher education

- Inclusion of subjects like Indian Constitution and Human Rights Education intend to create general awareness about constitutional safeguards and human rights among the youth.
- Compulsory subject on Environmental Science creates awareness about energy conservation, pollution control and about the hazards of exploiting natural resources.
- Community outreach programmes of NSS, and Social Work contribute to the community development and also help students to learn beyond classrooms.
- ICT based subjects are mandatory to make the rural students computer literate.

1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?

The curriculum is developed as per the model curricula and guidelines of the University Grants Commission, New Delhi, and University from time to time with a deviation up to 20% to accommodate regional issues and recent developments.

1.2 Academic Flexibility

1.2.1 Give details on the following provisions with reference to academic flexibility/ core/elective options/enrichment courses/courses offered in modular form/lateral and vertical mobility within and across programmes and courses /credit transfer and accumulation facilities

The college offers 11 Post Graduate courses in order to promote vertical mobility for the students belonging to the rural and weaker sections of the society. However, students are encouraged to

take up online courses. A graduate student is required to complete two certificate courses offered by the institution, a unique initiative of the college.

Academic flexibility is imperative for a student centric learning process. As a recent autonomous institution, the college has certain options enabling choice of electives and flexibility.

a. Core / Elective options

Most of the UG and PG programmes offer flexibility in choice of elective courses in the final year.

b. Enrichment courses

In order to enrich the academic curriculum, value added courses are offered and training and workshops are organized.

c. Courses offered in modular form - Nil

d. Credit transfer and accumulation facility- Nil

e. Lateral and vertical mobility within and across programmes and courses. Provisions for lateral and vertical mobility in the professional courses.

1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If no', explain the impediments.

Whenever foreign students are admitted, **Additional English** subject is offered along with the English as a language subject.

1.2.3 Does the college offer dual degree and twinning programmes? If yes, give details.

Yes, the institute conducts both Twinning and Dual degree programmes.

Dual Degree

- The dual degree programme provides for additional qualification for another degree by undergoing the prescribed course for one more year.
- Students who have already doing their regular degree courses in Periyar University affiliated colleges can also simultaneously do another UG/PG degree or diploma through distance education in Periyar University.
- The system, among other advantages, provides an interdisciplinary approach in mastering a specific field of study, a framework for elimination of compartmentalization of knowledge, greater facility for students to develop their knowledge, attitudes and skills, putting them in a state of readiness to appear for competitive examinations, and flexibility for lateral and vertical mobility in their study.
- Courses Offered - UG / PG / Dip. Courses recognized by the Periyar University,

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Twinning Programme

- The Twinning Programme is a joint venture with Annamalai University, is yet another landmark towards quality education. Mahendra Arts & Science College is fast emerging as a hot spot for the socially, educationally backward students of Namakkal and Salem Districts.
- Twinning programme is an innovative concept and it is a mixture of on campus and off campus modes. In this, student undergoes an intensive coaching of 250-300 hours of teaching per year as in the regular colleges. The twining programme widens the scope of educational opportunity.
- Through MOU with the Annamalai University the following courses are offered under Twining Programme.

Courses Offered

S.No.	Programmes
U.G. Programmes	
1	B.A. Tamil
2	B.A. English
3	B.Com. (EM & TM)
4	B.Sc. Maths (EM)
5	B.Sc. Physics (EM)
6	B.Sc. Botany (EM)
7	B.Sc. Zoology (EM)
8	B.Sc. Applied / Chemistry (EM)
P.G. Programmes	
1	M.A. Tamil
2	M.A. English
3	M.Com. (EM & TM)
4	M.Sc. Maths (EM & TM)
5	M.Sc. Physics (EM)
6	M.Sc. Chemistry (EM)
7	M.Sc. Botany (EM)
8	M.Sc. Zoology (EM)
Management Related Programmes	
1	B.B.A. (EM & TM)

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2	M.B.A. (International Business) (EM & TM)
Library and Information Science Programmes	
1	MLIS (EM)
2	BLIS (EM)
3	CLIS (TM & EM)
P.G. Diploma and Diploma Programmes	
Post Graduate Diploma in	
1	Business Administration (EM)
2	NGO Management (EM)
3	Software Based Statistical Analysis (EM)
4	English Language Teaching (EM)
Diploma in	
1	Industrial Hygiene (EM)
2	English Journalism (EM)
3	Mass Communication (EM)
4	Yoga (EM & TM)
5	Industrial Safety (EM)
Double Degree Programmes (1 yr. Programme) – Graduate to Acquire Additional UG Degree	
1	B.A. English
2	B.Com. (EM & TM)

EM – English Medium

TM – Tamil Medium

1.2.4 Does the College offer self financing programmes? If yes, list them and indicate if policies regarding admissions, fee structure, teacher qualification and salary are at par with aided programmes?

Yes, all Programmes as listed in Profile of the Institution are self financed programmes. The Policies regarding fee structure, Teacher Qualification and salary are at par with the State government rules.

1.2.5 Has the college adopted the choice based credit system (CBCS)? If yes, how many programmes are covered under the system?

Yes, the college has adopted CBCS pattern and offered 11 UG, 11 PG and 11 Research Programmes.

1.2.6 What percentage of programmes offered by the college follows semester system:

100%. All the courses offered in the college follow semester system.

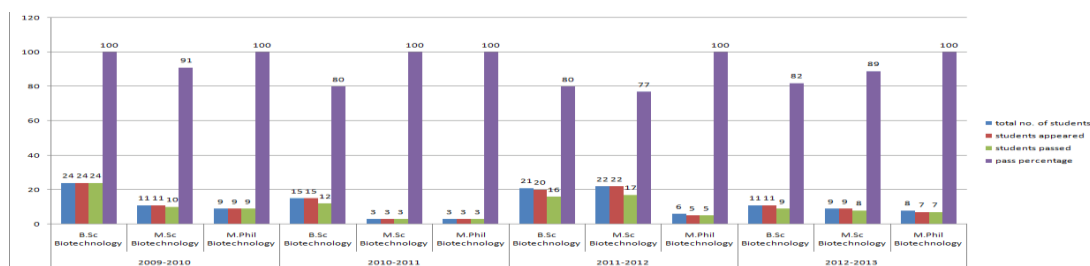
1.2.7 What is the policy of the college to promote interdisciplinary programmes? Name the programmes and what is the outcome?

The policy of our institution is to promote programs and courses with inter-disciplinary as our students should get more job opportunities and wide variety in the placement offers. Biotechnology and biochemistry being the forefront in that category.

Outcome:

Our institution is able to create good interest among students and parents who otherwise think of only Engineering Degrees. Now we are seeing a growing demand for biotechnology and biochemistry courses.

Table-Trend in increase in Biotechnology Admissions.



1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the college reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

Curriculum is reviewed and modified regularly in the meetings of Boards of Studies. When certain important and useful components can not be included in the curriculum, it is offered as certificate course. Employability, relevance and social needs are kept in mind while reviewing the curriculum.

1.3.2 How many new programmes have been introduced at UG and PG level during the last four years? Mention details.

5 Programmes have been introduced in last five years as highlighted in profile of the institution,

1.3.3 What are the strategies adopted for revision of the existing programmes? What percentage of course underwent major syllabus revision?

The vision of the college is to provide quality education. To achieve this, **revision of the curriculum takes place in UG programmes and in PG Programmes.**

The following strategies are adopted for revision of existing programmes:

- Feedback is taken from faculty members in department council meetings
- Feedback is also obtained from the stakeholders such as students, alumni and parents
- Suggestions are obtained from experts from industry and academia serving on statutory bodies such as BOS, AC and GB

On the basis of feedback obtained from all the stakeholders, existing programmes are revised.

1.3.4 What are the value-added courses offered by the departments and how does the college ensure that all students have access to them?

Each department offers value added certificate courses. A student is free to choose any one course per semester for four semesters. Weekly 2 hours are allotted for the value added certificate courses.

Departments	Courses Offered	Objectives
English	Communication Skills	Possess good Communication skills
Physics	Cell Phone Servicing	To flourish with the latest technology
Chemistry	Water Analysis, Preparation of Soap and First Aid Kits	To improve existing resources
Biotechnology	Medical Lab Technology, Medical Coding-Preliminary Studies Rural Biotechnology	Cause to grow and become more advanced
Commerce	Application of Tally	Practical exposure in Accounting

1.3.5 Has the college introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

The institution conducts various skill development certificate courses to create self employment opportunity.

Biotechnology

1. Medical Lab Technology
2. Medical coding-Preliminary studies

3. Rural Biotechnology

Physics

1. Cell phone service

Chemistry

1. Water Analysis
2. Preparation of soap and first aid kits

English

1. Communication Skills

1.4 Feedback System

The college collects inputs about the curricula as well as the need for enrichment from employer, parents, experts in industry and academic through interaction and feedback. The feedback is taken into consideration in the process of design and development and upgradation of curricula.

1.4.1 Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes, the college has an established [online student feedback system](#). The feedback is obtained and analyzed with qualitative perspective and used while revising the curriculum.

1.4.2 Does the college elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.

- Feedback on curriculum is elicited from experts and alumni visiting the college both formally and informally.
- Feedback on curriculum is obtained during interaction with experts in virtual class
- Weekly alumni meet in which one alumnus addresses the students is one important source of information on curriculum
- The BOS members comprising of alumni, Industrialists and entrepreneurs, subject expert share their opinion on curriculum.
- The suggestions on curriculum design have helped the students to enhance their competence level.
- The Online student feedback system allows alumni and other stakeholders also to formally participate in the feedback.

1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

- The college invites employers, industry experts, professionals and alumni to the Academic Council, Governing Body and Boards of Studies wherein they express their opinion.
- Placement Officers interact with recruiters for eliciting their opinion on suitability of the curriculum to the present scenario.

- Industry Experts are invited as resource persons to seminars/conferences/workshops organized periodically by the college to understand the current trends in various disciplines.

The quality inputs received from all the above sources are used for curriculum enrichment.

Mechanism to get feedback from industry experts

Opinions are collected during BOS meetings/campus recruitment/staff visits to industry

Mechanism to get feedback from academic experts

Feedback is collected from the subject experts (as members of B.O.S), resource persons (as special invitees to the seminars, symposium and workshops organized), members of inspection committee and external examiners.

Mechanism to get feedback from community

Through interaction during extension activities /PTA meetings/interactions

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the college in ensuring effective development of the curricula?

The institution regularly updates itself with information on development at national and global level and incorporates necessary changes in the curriculum to meet the contemporary needs. All the departments regularly interact with the prominent alumni and few of the reputed institutions and collect feedback on relevance of curriculum offered. All the initiatives are reviewed in the IQAC meeting

Outcomes:

- We have suggested modifications in the syllabus of Biotechnology, Computer Science, & Applications, Mathematics, English and Commerce through board of studies of Periyar University.
- Few of our suggestions were accepted and modifications were made in the syllabus.
- Details are available in the respective Departments.

Any other information related to curricular aspects

The college is striving hard to impart quality higher education at an affordable cost to the needy.

Quality initiatives include continuous

enrichment of curricula as well as the designing of new curricula keeping pace with the fast-track knowledge world. Infrastructural needs of college are continuously reviewed and attended to diligently to enrich teaching-learning environment. Emphasis is given to the recruitment, deployment and re-deployment of qualified and competitive staff. Faculty development programmes have been conducted regularly. Transparency is ensured in admission, attendance and evaluation process. The blended teaching methodology has synergized the service delivery mechanism. Student's achievements in summative examinations stand testimony to the effective teaching in the college.

Criterion II : Teaching-Learning and Evaluation

2.1 Student Enrolment and Profile

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

The teaching, learning and evaluation process at in this college clearly reflects the vision and mission of the institution. It promotes learning through innovative and creative pedagogies and empowers the learners with the employability skills and ethical orientations.

The college is committed to impart education to all sections of the society, especially economically and socially weaker sections. In order to reach out to all, adequate **publicity** is given through the college **prospectus, website, posters, brochures and e-journal** which provide information about the institution and its activities. The information is also made available through **cable network**.

The **transparency** in admission is ensured by constitution of an **independent committee** to look into admissions. Admissions are done in accordance with the government and university norms. The selection list is displayed on the notice board and published in the website.

2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D. programmes by the college. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the college?)

The admission process in the college is well structured and **ensure transparency and social justice**. The following procedures are adopted for the smooth admission to both UG and PG programmes:

- Formation of separate admission committees for each programme
- Provision in college website for submission of online application
- Separate counters for receiving applications
- Entry of data to in-house developed software
- Conduct of entrance examinations for PG admissions
- Generation of selection list
- Publication of selection list
- Sending call letters to students
- Conducting interviews and verification of documents

The **help desk** is set up at the entrance to provide information related to admissions and to assist the applicants to fill up the application form. **Student volunteers** assist in guiding the candidates and parents during admission process.

- Admission to UG programmes is based on merit, to PG programme is based on merit and entrance test and to Ph.D programmes it is done by the respective universities.

2.1.3 Does the college have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

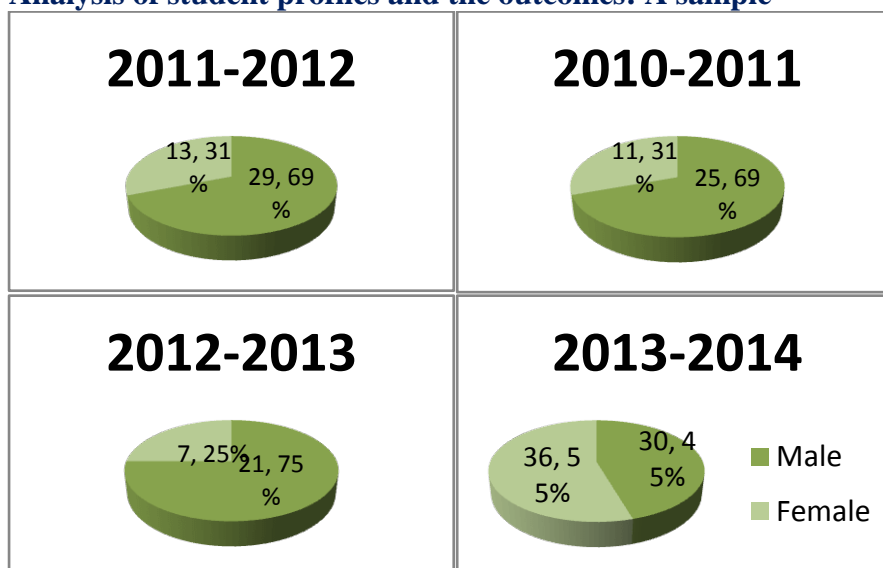
Admission process is reviewed every year. In order to streamline the process and make it student-friendly, the following steps are undertaken:

- Providing help desk service
- Additional admission counters
- Arranging bigger waiting lounge
- Reduction in mandatory fields in the software for quick admission
- Keeping the admission office open on Sundays and holidays
- Use of ICT for the speedy admission process and minimizing the use of paper and paper work
- Presentation of interesting videos in the waiting hall, providing reading materials and keeping the library open for visitors

Student profile is reviewed annually. Utmost care is taken to ensure diversity in terms of socio economic condition and geographical region. Review of student profile has given important insight on requirement of additional infrastructure and facilities like

- Hostels
- Midday meals
- Scholarships/ free-ships
- Mentorship
- Awareness programmes on govt. facilities to SC/ST and OBCs

Analysis of student profiles and the outcomes: A sample



Outcome: It is quite evident that the Female score better than male community in taking admissions for Biotechnology Course

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2.1.4 What are the strategies adopted to increase /improve access to students belonging to the following categories-SC/ST, OBC, Women, Different categories of persons with disabilities, Economically weaker sections, Outstanding achievers in sports and extracurricular activities?

The very objective of establishing the college in the rural area was to provide higher educational opportunities to the students of rural areas and the deprived sections of the society and to nurture talents. In order to ensure and enhance access to these students, the college has undertaken following measures:

1. Enhancement of free hostel facilities for students of deprived sections. New hostel is equipped with all the necessary facilities.
2. Midday meal scheme is continued and extended to more number of students
3. Free education, free boarding and lodging for the talented sports men and women
4. Fee concessions for the deserving students.

2.1.5 Furnish the number of students admitted in the College in the last four academic years.

Categories	2011-12		2012-13		2013-14		2014-15	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	56	58	35	48	56	73	80	99
ST	02	02	-	02	0	2	3	1
OBC	339	322	218	309	324	468	462	542
General	-	-	-	-	-	-	-	-

2.1.6 Has the College conducted any analysis of demand ratio for the various programmes

offered by the College? If so, indicate significant trends explaining the reasons for

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increase / decrease.

Academic Year	Programmes	No of Applications Received	No of Student Admitted	Demand Ratio
2011 – 2012	UG	626	566	90
	PG	208	184	88
	M.Phil. / Ph.D.	29	29	100
	Total	863	779	90
2012 – 2013	UG	480	438	91
	PG	173	151	87
	M.Phil. / Ph.D.	28	23	82
	Total	681	612	90
2013 – 2014	UG	915	805	87
	PG	237	197	83
	M.Phil. / Ph.D.	110	89	80
	Total	1262	1091	86
2014 – 2015	UG	977	926	95
	PG	187	167	89
	M.Phil. / Ph.D.	124	91	73
	Total	1288	1184	92

2.1.7 Was there an instance of the college discontinuing a programme during last four years? If yes, indicate the reasons.

‘No’ There was no such instance of the College discontinuing a programme during last four years.

2.2 Catering to diverse needs of students

The institution has developed a mechanism to identify slow, moderate and fast learners. Accordingly strategies have been developed to cater to their respective needs.

2.2.1 Does the college organize orientation/ induction programme for freshers? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years

Yes. The college has conducted Orientation and Induction programmes.

Orientation programme:

- Orientation programme is arranged in the beginning of the academic session mainly to enlighten the newly admitted students about the college, curricula and infrastructure.
- Informally, welcome functions are also organized at the behest of senior students. The interactions in these orientation programmes would be necessarily bilingual ones.

Agenda of the orientation programme would include the following besides other special items:

- Vision and mission of the institution and the departments
- Functioning of autonomous college
- Code of conduct
- Attendance requirements
- Leave procedures
- Curriculum structures
- Evaluation pattern
- Fee payment regulations
- Student support services :- National Cadet Corps, National Service Scheme, Scouts, Youth Red Cross, Library Awareness Programme, Environment Awareness Programme, Sports and Cultural Activities.

Induction Programme:

- In the beginning of the academic session the HOD or the senior staff is entrusted with the duty of conducting induction programme at the classroom level.
- It is the bounden duty on their part to introduce the department to the new students with special emphasis on curricula, departments, student-teacher relationship and other academic and non-academic aspects.
- Suggestions given by newly admitted students are considered for implementation, wherever possible. Experts from academia, industry, recruitment agencies and well placed alumni and senior students are involved in the orientation and induction programmes.

2.2.2 Does the college have a mechanism through which the differential requirements of student population are analysed after admission and before the commencement of classes? If so, how are key issues identified and addressed?

Yes. The college is set up in an urban area but the majority of students are from marginalized communities from rural and urban areas. Therefore concerted efforts are made to identify the differential needs of such students through perusing admission records and induction programme. Suitable actions are mooted to satisfy judicious needs.

In accordance with the mission, the college focuses on imparting equitable educational opportunities to students hailing from different backgrounds with differential educational requirements. The admission committee in association with various departments and HRD cell

analyses the differential requirements of the students and takes suitable measures to address their needs.

Some of the initiatives taken are–

bridge courses before the commencement of classes, communicative English course, basic computer literacy programme and soft skills training.

Language lab, computer lab, HRD cell and career guidance centre are established for the purpose.

The IQAC monitors the academic and support services given to the students by the departments.

The student welfare committee redresses grievances related to financial, motivational and emotional matters.

The sports club and cultural centre ensure greater opportunities and participation in the extracurricular activities and provide a good campus experience.

2.2.3 Does the college provide bridge /remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department -wise/faculty-wise?

The knowledge gap of the students enrolled in the first year is enriched through a bridge course to cope with the programme of their choice.

A crash course in Tamil, English and Allied subjects is conducted for a fortnight for the students of the first year, before the commencement of their regular stream of programs.

2.2.4 Has the college conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically challenged and slow learners etc.? If yes, give details on how the study has helped the college to improve the performance of these students.

Data pertaining to academic progress of the students of different groups is retrieved from software and is used for providing additional teaching and service. Mentors also review the academic performance of students and refer the academic issues to the concerned departments. Following support is ensured for facilitating better performance in students of different categories of students.

- Additional books from the departmental library
- Additional coaching
- Repetition of practical wherever necessary in subjects with practical
- One to one discussion on the performance of the internal test
- Interaction with parents during parent teacher interaction

2.2.5 How does the institution identify and respond to the learning needs of advanced learners?

Institution is committed to galvanize the academically advanced learners. Advanced learners are identified based on the performance in the class and exams. Some of the initiatives to meet their learning needs are:

- Encouragement to take up higher level of assignments, seminars and presentations
- Guidance to take up research on relevant issues and encouragement to participate in student seminars and conferences
- Recognition of student faculty which is a novel scheme which ensures
- challenging practical learning experience to the advanced learners. Student faculty members teach to lower classes for fixed number of hours. They are recognized with a certificate and a cash incentive.

- Academic mentorship is another innovative initiative where in a successful alumnus is identified as academic mentor for advanced learners.
- Academic mentors give all necessary guidance to the students regarding educational and professional opportunities.
- They are also given additional opportunities in various activities of the association/committees.
- Best library users are given additional books.
- Books recommended by the top performers are added to the library.

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

The institution has undertaken every possible measure to cater to the needs of differently-abled students. The college buildings are provided with facilities such as **ramps, lift and wheel chairs**. Considering the needs of such students, classes are held in the convenient locations. Such students are given free-ships and other support services. Extra time and scribe for writing exams are provided to the visually impaired. They are also given additional academic support.

2.3 **Teaching Learning Process**

The essence of college services lies in teaching and learning. Effective teaching and assimilative learning makes academics meaningful. The college has been making consistent efforts to make teaching-learning environment more vibrant so that all stakeholders feel satisfied.

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

Academic Calendar:

- The Academic Calendar is prepared every year in consultation with the Heads of Departments and other administrative officers of the college.
- The calendar is got approved by the Academic Council and Governing Body.
- The same is published in the College Prospectus and is uploaded on the website prior to the reopening of the college.
- The internal tests and term-end examination dates and date of announcement of results along with other major academic events are indicated in the calendar.

Teaching Plans:

- The Teaching plans are prepared and finalized at the department level and necessary measures are taken to ensure that teaching programme sticks to schedule.
- Periodic verification of students' attendance and teaching plan of teachers by the Principal/Dean (Academic) has ensured smooth functioning of the service delivery mechanism.

Evaluation Blueprint:

- Evaluation blue print is inherent in the academic calendar/examination regulations.
- As the CBCS has been implemented, internal assessments carry significant weightage.

2.3.2 Does the college provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

- Yes. The college provides the course outline and course schedules before the commencement of the academic session.
- The unitised syllabi are distributed and lecturing/tutorial and practical hours are allocated for different segments of the syllabi.
- A schedule of academic programmes is finalized at the department level staff meetings and same is conveyed to the students.
- Dean Academic and concerned HoDs ensure effective implementation of the course outline and course schedule.
- Periodic verification of teaching plan, progress review in department/HoD meetings, review of IA and semester end examination marks and scrutiny of stakeholder feedback act as general tools for control.

2.3.3 What are the courses, which predominantly follow the Lecture Method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

- All undergraduate courses in arts faculty widely follow traditional chalk and talk method. Besides, ICT enabled teaching-learning modules are also used.
- Whereas, all UG courses in science, commerce and management use blended teaching-learning methods.
- All PG programmes predominantly have ICT enabled teaching.

Other methods of learning are:

- | | |
|-------------------------|-----------------------|
| ○ Tutorials | ○ Group discussions |
| ○ Laboratory work | ○ Roleplay |
| ○ Seminars | ○ Case study analysis |
| ○ Assignments | ○ Field study |
| ○ Project work | ○ Internship |
| ○ Experiential learning | ○ Peer learning |

2.3.4 How is learning made more student centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating lifelong learning and knowledge management?

- The curricula of all programmes are modular/unitised and course outcomes are spelt out at the beginning and students are given focused attention.
- Interactive sessions are common in every classroom.
- The problem oriented subjects are taught in the classroom with collective participation of students.
- Provision is made for clarification of doubts in the classrooms.

Participatory learning is internalized in the system through

- | | |
|---------------------|--------------------------|
| ○ Student Seminars | ○ Model making |
| ○ Group discussions | ○ Tutorials |
| ○ Field trips | ○ Organizing exhibitions |

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- Projectworks
- Case studyanalysis
- Activities ofacademic clubs
- Role play
- journal–designing
- Debates
- Interactivepublic lectures by eminent resourcepersons
- Participationin symposia, seminars, conferences
- Peerteaching
- Participating inacademic competitions
- Brainstorming
- Quiz
- Newspaper–designing
- Poetrycompetitions
- Intercollegiate and interdepartmentalacademic programmes
- ExperientialLearning

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2.3.5 What is the college policy on inviting experts/people of eminence to provide lectures / seminars for students?

- The college has a policy where in every department shall conduct at least one special lecture in a semester.
- Individual departments have flexible norms in organizing special lectures, seminars, symposia and workshops.
- Lists of resource persons are available at every department. Based on the nature of programme experts are invited.
- Resource persons are invited based on the discretion of the programme coordinators with prior approval of the Principal/Dean (academic).

2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.

In order to enable the faculty and students to use the latest ICT technologies in teaching, learning and evaluation, the college has created necessary technological environment in the campus. Besides the required training to the faculty in the latest educational technologies, the college has provided facilities like

- **Virtual class room** –students can interact and learn from eminent scholars inside and outside the country
- **Language lab** for developing language skill
- **e-book collection** and e-book readers in library
- **Multimedia studio** for preparing for electronic media
- **Internet facility**–Wi Fi enabled campus Internet connection to every department
- **Recorded lectures** of the college staff in the library

2.3.7 Is there a provision for the services of counselors / mentors/advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.

To cater to the academic, social and psychological needs of the students the college has long standing practice of mentorship, counseling and redressing the grievances.

Mentorship programme is very systematically implemented in the institution. The students are divided into groups in the beginning of the year and a group of 25 to 35 students are assigned a teacher mentor. Mentors meet the mentees once in a week and meet their parents once in a semester. Mentors are also an advisor, counselor for academic, personal and psycho-social needs. A diary is maintained for every student by the mentor

Counseling facilities are provided by the **counseling centre**. Counseling service is extended to all needy students through this cell which has a full time professional counselor supported by the faculty of department of Psychology. The mentors refer students with emotional and psychological problems to the counseling center.

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2.3.8 Are there any innovative teaching approaches/methods/ practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

The institution motivates the faculty to adopt innovative approaches in teaching. The faculty members experimented some student centric approaches over the last few years. Majority of the classes are ICT enabled and student participatory.

The introduction of practical in language papers is another innovation which has ensured wider learning and development of soft skills. Self motivated student participation in every programme reflects the outcomes of the adopted teaching method. Special recognition is given to the faculty for adopting new methods in the proper platforms.

2.3.9 How does the college create a culture of instilling and nurturing creativity and scientific temper among the learners?

Realizing the need to instill and nurture creativity and scientific temper among the learners, the college is popularizing the concept of true education.

Discussions and interactions are encouraged in every class.

Student research projects, documentaries, publication of practice journals, encouraging the students to ask questions through , open ended experiments, field visits, discussion on current issues, enable the students to develop creativity.

The **student fora** give ample scope for students having diverse tastes and interests to grow in respective area and excel.

2.3.10 Does the college consider student projects a mandatory part of the learning programme? If yes, so far how many programmes is it made mandatory?

- **Number of projects executed within the college**
- **Names of external institutions associated with the college for student project work**
- **Role of the faculty in facilitating such projects**

Yes students are given projects as a mandatory part of the learning programme. Mostly all such projects are inhouse projects. Concerned staff handling that paper assists the students.

2.3.11 What efforts are made to facilitate the faculty in learning /handling computer-aided teaching/ learning materials? What are the facilities available in the college for such efforts?

The college has conducted training programmes on **e-content development**, the use of latest technology in teaching and learning (**virtual class room, google applications**) to the faculty.

The software cell with a full time technician and technical support staff coordinates all the training programmes to enable the staff to use the latest technologies. To facilitate the use of ICT in teaching, learning and developing e-resources the institution has provided facilities like

- Google apps partnering
- Depts with computer and internet facility
- Adequate audio visual rooms
- Virtual class room facility

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- e-resources, tablet PC's in the library
- Wi-Fi facility
- Provision for laptops /tabs on EMI basis
- Multimedia and e-content development centre
- Video recording studio and community radio

2.3.12 Does the college have a mechanism for evaluation of teachers by the students /alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?

The college has developed a well structured mechanism for the evaluation of teachers. Student's evaluation of faculty is done for all courses taught in a semester. The questionnaire specially developed for evaluation of teachers is made available for students online. The computer generated consolidated report of the feed back in the form of bar graph along with the departmental average and college average is given to the individual faculty. Broadly the performance of faculty is grouped into four categories – teaching-learning, time management, motivation and guidance and flexibility. The feedback helps the faculty to strengthen the weak areas in their teaching. The college has arranged need based workshops and training programmes based on the outcome of the evaluation. Staff deputation to participate in refresher courses, orientation programmes, conferences, seminars and workshops is done to ensure updated knowledge in their subject areas.

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

As the detailed academic schedule and plan of action for entire academic year is prepared very systematically, institution has faced no challenge in completion of syllabus in time frame. Completion of syllabus is reviewed every week by HOD, every month by Principal and in the IQAC meeting. Academic plan is prepared day wise. Teaching diary is maintained by all the teachers. In rare occasions like, absence of a teacher on long leave alternative arrangement is made by the management. Systematic recording of classes engaged versus scheduled are maintained by the software section and a weekly report of the same is submitted to the Principal. Monthly calculation of percentage of classes conducted by all the departments is calculated and necessary action taken if found low.

2.3.14 How are library resources used to augment the teaching-learning process?

A spacious library accommodated in 150 square metre area is well stocked with 18,650 titles and 34386 volumes. The library caters to the needs of teachers and students with easy access to books and journals.

- The departmental libraries cater to the needs of the teachers and students. The books from the General library and Department libraries are issued to the students. Open

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access system is followed in the general library.

- The General library functions on all days except Sundays and Government Holidays with timing from 8am to 8pm. Night library facility is occasionally provided to inmates of women's hostel on demand basis wherein the timings are extended up to 10pm.
- Separate racks are maintained to stack Reference/Reserve/Ordinary books. The reserve books are issued to the students for overnight use.
- Books on Competitive Examinations are issued to the students under special terms and conditions.
- Teachers are given passwords for browsing e-journals.
- The Librarian procures the books as per the recommendations of the faculty.
- Book exhibitions are also organized to help faculty members to select the books of their choice.

2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and effect on student performance

Feedback:

- Obtaining regular feedback from primary stakeholders and all other secondary stakeholders enable the college in continuous monitoring of teacher, teaching methodology and classroom environment.
- The feedback from these categories of stakeholders is reported to the respective committees and corrective actions are initiated whenever and wherever necessary.

Internal control mechanism:

- The Principal and Heads of departments monitor the Teaching- Learning process within the classroom once in a while through observation and interaction with selected students on random basis.
- Senior faculty in the department share some courses/ papers/ subjects with newly recruited teachers so as to mentor the latter and this provides subtle mechanism of monitoring and encouraging.

The performance of students has increased gradually as evident from the examination results constantly maintaining upward trend.

2.4 Teacher Quality

2.4.1 What is the faculty strength of the college? How many positions are filled against the sanctioned strength? How many of them are from outside the state?

Faculty strength of the College	:	130
Filled against the sanctioned strength	:	130
From outside the state	:	Nil

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2.4.2 How are the members of the faculty selected?

The Principal after scrutinizing the request made by the department about the vacancies finalizes vacancy list. After getting approval of the management, notification is given in leading news papers and college website. The interview committee comprising of Principal, representative of the management, head of the concerned department and an external subject expert conducts the interview. Based on the candidate's subject knowledge, additional academic qualification, publications, communication skills, previous experience, talents and expertise and performance in the interview, committee prepares the list of candidates in the order of merit. Based on the recommendations of the interview committee, the management issues appointment letters.

2.4.3 Furnish details of the faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	09	01	07	03	07	07	34
M.Phil.	-	-	-	-	27	23	50
PG	-	-	-	-	20	26	46
UG	-	-	-	-	-	-	-
Temporary teachers*							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
UG	-	-	-	-	-	-	-
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
UG	-	-	-	-	-	-	-

2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

UGC-CSIR-NET, UGC-NET & SLET = 10.50%

PG as highest qualification = 38.86%

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2.4.5 Does the college encourage diversity in its faculty recruitment? Provide the following departments-wise details.

Department	% of faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from other States	% of Faculty From Abroad
Tamil	50	50	-	-
English	23	77	-	-
Physics	25	75	-	-
Chemistry	11	89	-	-
Bio-Technology	-	100	-	-
Mathematics	18	82	-	-
Computer Science & Applications	13	87	-	-
Commerce	20	80	-	-

2.4.6 Does the college have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?

Yes. The college has a required number of qualified, committed and competent teachers to handle all courses. Details are as given earlier. As a matter of supplement the departments organize special lectures by inviting experts from the academia.

2.4.7 How many visiting professors are on the rolls of the college?

-Nil-

2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

The college has a teacher friendly policy to motivate and encourage the teachers to make them keep abreast the latest developments and changing education field and in their respective subject. The college encourages the faculty to participate in academic conferences and present papers. During last academic year many faculty members participated in academic conferences and many papers have been presented.

The college provides secretarial assistance to research activities. The college has also given paid leave for the faculty to attend Ph.D course work. Each department is encouraged to hold academic conferences/ workshops.

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2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.



Dr.A.Jayakumar Asst. Prof. of Tamil has received Presidential Award(Classical Tamil Young Scholar Award) for the year 2010 – 2011.

2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)

Academic Staff Development Programmes	Number of faculty
Refresher courses	30
HRD Programmes	--
Orientation programmes	--
Staff training conducted by the College	765
Staff training conducted by University/ other Colleges	182
Summer / winter schools, workshops, etc	--

2.4.11 What percentage of the faculty have, been invited as resource persons in Workshops / Seminars/Conferences organized by external professional agencies, participated in external Workshops/Seminars /Conferences recognized by national/international professional bodies, presented papers in Workshops / Seminars /Conferences conducted or recognized by professional agencies college

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* Been invited as resource persons in workshops/seminars/conferences organised by external professional agencies	90%
* participated in external workshops/ seminars/conferences recognised by national/ international professional bodies	25%
* presented papers in workshops/ seminars/ conferences conducted or recognised by	40%
* teaching experience in other universities/ national institutes and others	--
* international experience in teaching	--

2.4.12 How often does the college organise academic development programmes for its faculty, leading to enrichment of teaching learning process?

College has organized academic development programmes on annual basis. Some of the departments organize interactive sessions by inviting experts. Some of the academic development programmes are Google Apps for Education, Research Methodology, Quality in Higher Education, Learner Centered Teaching Pedagogy, Lessons Learnt from IQAC: Moving Forward and Making a Difference, Importance of Field visits.

2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?

• Adoption of ICT	• Student Seminar
• Projectwork	• Tutorials
• Internship	• Field study
• Case study analysis	• Roleplay
• Virtual classroom	• Experiential learning

These innovations have been rewarded in the form of better understanding of the subject by the students and increased employability.

2.4.1 Does the college have mechanism to encourage

* **Mobility of faculty between institutions for teaching**

* **Faculty exchange programmes with national / international bodies**

If yes, how have these schemes helped in enriching quality of the faculty?

Yes. The management is running 05 varied types of higher education institutions. Faculty are exchanged for specialised teaching from among these institutions including our college.

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2.5 Evaluation Process and Reforms

2.5.1 How does the college ensure that all the stakeholders are aware of the evaluation process that are operative?

- The **evaluation process** is made known to the stakeholders during the **orientation programme** for freshers.
- Faculty members educate the stakeholders regarding the evaluation process.
- Information on evaluation process is available in the college website.
- A copy of the Autonomous College regulations is available in the college library.
- Details about internal assessment and semester end examination proportion, passing minimum, SGPA and CGPA calculation, details on minimum credits to be earned, eligibility for semester end examinations, question paper pattern, mode of valuation, transparency, revaluation and challenge valuation, makeup examination, improvement of marks, grace marks rules, completion after the period of study, and test/examination (theory and laboratory) periods are available in the college regulations.

The schedule of tests, skill development examinations and semester end examinations are provided in the college calendar and notified in the departmental noticeboards.

2.5.2 What are the major evaluation reforms initiated by the college and to what extent they have been implemented in the college / cite a few examples which have positively impacted the evaluation management system.

The existing evaluation system comprises of two internal exams and one semester end examination having weight in the language papers and subjects with practical, in the optional papers.

Following reforms are brought about in the mode of evaluation.

- Online examination for one of the two internal tests. It gives the result immediately. Student can also get the report of correct answer and the answer given by him
- The students have the option to apply for revaluation and personal observation.
- In UG, 10% of the papers are sent to external evaluator
- In PG, both internal and external valuation is done and if the difference is more than 15%, third valuation is done
- Opportunity to take retest for those students who represent the college in inter collegiate/ university/ state/ national/ international (sports and extracurricular activities) and who miss the exams due to ill health
- There is no minimum pass marks in respect of IA but in the semester end exam 35% is the minimum pass marks
- One question paper is set by internal and one by external examiner. One of the two sets is selected randomly by the principal. For the valuation of internal tests faculty are allowed home valuation whereas semester end exam central valuation is done.
- From the year of getting autonomy the term end result is announced within fifteen days of completion of exam.

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- The college has provision to keep a photocopy of answer sheets before sending it for revaluation or third valuation.
- The students who fulfill the criteria of 75% attendance are allowed to take semester end exam
- Declaration of class on the basis of percentage of aggregate marks:

2.5.3 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?

UG Programmes

For continuous internal assessment the percentage of marks allotted is 20%.

- An examination schedule and a standard IA module are followed.
- IA tests are conducted with the same rigour as that of semester end examination.

PG Programmes

For continuous internal assessment the percentage of marks allotted is 30% in PG. To ensure rigour, the following strategy is evolved in respect of internal assessment process:

- An examination schedule and a standard IA module are followed.
- Continuous internal assessment is done through assignments, tests, seminars, group discussions, laboratory work and projects in accordance with set norms.
- Minimum percentage in C1 and C2 components to be secured to become eligible for end semester examination is **30%**.
- The internal assessment in laboratory courses comprises **criteria**
- such as accuracy, record work, viva voce, experiment execution, skill, neatness, display etc.

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2.5.4 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?

Declared examination schedules are strictly adhered to. However in situations of emergency due to unforeseen holidays declared by the government, examinations are rescheduled.

2.5.5 What is the average time taken by the college for declaration of examination results? Indicate the mode/media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.

- The examination results are announced within 15 days after the completion of the examinations ever since the grant of Autonomous status.
- The results are displayed on the college notice board and uploaded to the college website.

2.5.6 Does the college have an integrated examination platform for the following processes? Pre-examination processes-time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.? Examination process- Examination material management, logistics? Post examination process- attendance capture, OMR based exam result, auto processing, generic result processing and certification?

The college has an integrated examination platform. The whole examination process is **computerized** which includes generation of time table, student list, list of invigilators, attendance sheet and marks card.

2.5.7 Has the college introduced any reforms in its Ph.D. evaluation process?

Evaluation of thesis does not come under the purview of the college. Evaluation of thesis is done by the concerned University.

2.5.8 What efforts are made by the college to streamline the operations at the office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?

- Full fledged technical and personnel support
- In-house developed software
- Centralized evaluation and tabulation
- Experienced and senior faculty is appointed as chief superintendent of semester examination by the principal

2.5.9 What is the mechanism for grievances with reference to evaluation?

The examination section receives the grievances of the students related to evaluation. To settle the issues, it arranges for revaluation, re-totalling and personal seeing of answer papers on demand.

2.6 Student Performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?

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The learning outcome is clearly defined for each programme and shown in the **lesson plan**. It is also communicated to the students.

2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?

To ensure the achievement of learning outcomes the principal and heads of the departments discuss the issues in monthly HOD's meeting and take appropriate measures. It is discussed at the department level too. Staff appraisal by the students also reflects the success of the learning outcomes.

2.6.3 How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?

The faculty members analyze student learning outcomes based on the performance of the students in internal assessment and semester end exams. They also interact with the students to ensure student learning outcomes and guide them on overcoming the barriers of learning. Mentors meet students and guide them in this regard.

2.6.4 Programme-wise pass percentage and completion details

UNDER GRADUATE PROGRAMME

S.No	Courses	2011-2012				2012-2013				2013-2014				2014-2015			
		Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%
01.	Tamil	9	9	8	89	14	14	11	79	5	5	4	80	7	7	7	100
02.	English	51	51	40	78	58	55	45	82	77	77	31	40.25	39	39	22	56.41
03.	English CA	50	50	42	84	23	21	16	76	-	-	-	-	-	-	-	-
04.	Maths	57	53	48	91	53	53	46	87	54	54	45	83.33	52	52	40	76
05.	Maths CA	24	23	19	83	29	29	24	83	-	-	-	-	-	-	-	-
06.	Physics	13	13	10	77	16	16	12	75	16	16	6	37	17	17	10	58.8
07.	Chemistry	12	11	9	82	32	32	25	78	29	29	7	24.13	20	20	9	45
08.	Bio-Tech	21	20	16	80	11	11	9	82	18	18	15	83.3	9	9	5	55
09.	Computer Science & Applications	79	79	72	91.14	114	114	103	90.35	159	159	107	67.29	140	140	122	87.14
10.	Commerce	149	145	127	87.59	122	122	111	90.98	131	131	73	55.73	112	112	76	67.8
Total		465	454	391	86.1	472	467	402	86	489	489	288	58.89	396	396	291	73.48

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POST GRADUATE PROGRAMMES

S.No	Courses	2011-2012				2012-2013				2013-2014				2014-2015			
		Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%
01.	Tamil	11	11	11	100	18	18	17	94	3	3	3	100	5	5	5	100
02.	English	2	2	-	-	10	10	7	70	15	15	12	80	16	16	3	18
03.	Maths	16	16	12	75	22	21	18	86	34	34	3	8.8	33	33	10	30.33
04.	Physics	17	17	13	76	5	5	3	60	5	5	4	80	13	13	12	92.3
05.	Chemistry	30	24	20	83	29	25	19	76	13	13	1	7.69	24	23	14	60.86
06.	Bio-Tech	22	22	17	77	9	9	8	89	7	7	6	86	16	16	15	93.75

Additional information regarding Teaching Learning and Evaluation

- Computerization of student attendance.
- Display of quotable quotes and other relevant information.
- Display of names of renowned personalities on the doors of staff rooms and Laboratories.
- Affordable fee structure.
- Departmental libraries.
- Adoption of schools for community oriented programmes.

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CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Keeping in view the importance of research, consultancy and extension, the College has taken necessary measures to promote these activities in the college. The College has created good infrastructure for research activities as is evident from the number of research publications and projects successfully being published and executed by the faculty members and students of the college. As many as faculty members of the college have PhD degree and have a good number of publications in reputed national and international journals. Some of our staff members have had exposure to the latest developments of their discipline in reputed institutes/laboratories in India and abroad.

The college has become an active hub engaged in a number of extension activities emerging out of its academic programmes and faculty members of the college provide honorary consultancy service in various fields of their specialization.

3.1 Promotion of Research

Mahendra Arts & Science College takes all initiatives to increase the active involvement of faculty members in research.

3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Composition of the research committee:

- The Principal is the Chairman of the committee.
- Dr. V. Aroul moji, Director R&D as Head for the promotion of research.
- Dr. T. Selvankumar, Head, Department of Biotechnology as the Co-ordinator of the research activities.
- The Head of the Department of all disciplines are the members of the committee.
- The research committee regularly holds interface meeting to promote research activities.
- Many of the recommendations made by the research committee are implemented in the campus.

Highlights of the recommendations and initiatives for research

- The college R&D has successfully launched a quarterly multi-disciplinary research journal **“International Journal of Advanced Science and Engineering”** with ISSN number **2349 5359**.
- Round the clock lab facility is available for research.
- The management encourages the faculties by special incentives for fulfilling research degree (Ph.D.) and publishing research papers.

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Impact

- The number of major and minor research projects submitted to UGC, DST, DBT, CSIR and other funding agencies has increased considerably over the last two years.
- As now received Rs. 30 lakhs funds from DST-FIST for the development of infrastructure in our college.
- Received funds of Rs. 1.5 lakhs from Tamil-Semmozhi for conducting workshop in our campus.
- Sanctioned grant of Rs. 75,000/- from NAAC for conducting Workshop for teachers to develop teaching methodology.

Yes, the research committees have been formed for the selection and monitor the research activities. This committee has constituted with Head of the Department, Research investigator and Faculties as members.

3.1.2 What is the policy of the college to promote research culture in the college?

The College has the policy of promoting ethical and evidence-based research and encourages its dissemination through publications and patents to meet the societal needs.

Following are the policies of the college to institutionalize research culture:

- College research committee to monitor the research activities.
- Encouraging staff members to upgrade their qualification by registering for Ph.D programmes.
- To promote research publications.
- Support publication of research journal.
- Upgrade library facility to meet the research requirements.
- Support student research projects.
- Introduce research methodology as a compulsory paper in the PG curriculum.
- Support research centers to conduct orientation programmes, refresher courses and Pre PhD coursework in the campus.
- Provide paid leave facility for attending pre PhD course work

3.1.3 List details of prioritized research areas and the areas of expertise available with the college.

S.No.	Department	Faculty Name	Research Area
1.	Tamil	Dr.K.Gandhi	Sangam Literature, Tholkappiyam, Kapiya Literature
2.		Dr.R.Sundaramoorthy	Folk Literature, Sangam Literature, Bakthi Literature
3.		Mr.S.Balamurugan	Sangam Literature, Bakthi Literature, Ilakkanam
4.		Dr.N.Sivasubramani	Journalism, Modern Literature, Sangam Literature
5.		Dr.A.Jayakumar	Sangam Literature
6.	Mathematics	Mr. P. Gopalakrishnan	Complex Analysis
7.		Mr. C.Jayakumar	Algebra

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8.		Mr.A.S. Thirumurugan	Operation Research
9.		Mr.V. Shanmugasundaram.	Probability & Statistics
10.		Mr. S. Sakthivel	Graph Theory
11.		Ms. B. Vimalarani	Probability & Statistics
12.		Ms. V. Swarnalatha	Real Analysis
13.		Ms. E. Mynavathi	Real Analysis
14.		Mr. A. Jothikannan	Probability & Statistics
15.		Mr. M. Guhanathan.	Differential Equations
16.		Mr. M. Dineshkumar	Calculus
17.		Ms. S. Suganya	Algebra
18.		Mrs. P. Nalini	Graph Theory.
19.		Ms. R. Aswini	Graph Theory.
20.		Ms. C. Sangeetha	Differential Equations
21.		Ms. A. Saranya	Probability & Statistics
22.	Physics	Dr.V.Aroul Moji	Spectroscopy, NMR, Ultra sonics
23.		Mr. V.Hariharan	Nano science and technology and materials science
24.	Chemistry	Dr.B.Anand	Corrosion & its Control
25.		Dr.K.M.Govindaraju	Polimer Studies
26.		Dr.M.Jayandran	Crystal Growth
27.		Dr.R. Ramachandran	Organometallic Chemistry & Catalysis
28.	Biotechnology	Dr.T.Selvankumar	Microbial Technology, Nanoparticles & Nanocarbon Synthesis and Bio-Energy.
29.		Dr.T.S.Ganendra	Software Development, System Biology, Algorithm Development, Bioinformatics, Protein Modeling and Rational Drug Designing.
30.		Mrs.R.Rathika	Biochemistry, Animal Biotechnology and Metagenomics.
31.		Mr.A.Sengottaiyan	Immunology, Bioprocess Technology and Nano drug delivery.
32.		Mr.R.Thirumalaisamy	Phytochemistry,Nano-biotechnology, and Clinical Biochemistry
33.		Dr.P.Thangvel	Plant Biotechnology, Molecular Systematics and Phytochemistry.
34.		Mrs.R.Kanimozhi	Microbiology and Food, Industrial Microbiology
35.		Mr.P.Thiyagarajan	Nano carbon synthesis, Metagenomics, Biofiltration.

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36.	Computer Science & Applications	Dr.S.Kumaravel	Wirless Sensor Networking
37.		Mr.Thirunavukkarasu	Data Mining
38.		Mrs.M.Sumathi	Data Mining
39.		Dr.S.Andrews	Network Security
40.		Mr. M.Namashivayam	Data Mining
41.		Mr. N.Suresh	Mobile Computing
42.		Mr. V. Joseph Emmanuel	Artificial Intelligence
43.	Commerce	Dr. V. Aravamudhan	Accounting and Finance
44.		Dr.K.Selvaraj	Marketing, Banking
45.		Dr.J.Josephine Daisy	Marketing
46.		Mr.K.Kumaran	Marketing
47.		Mr.C.Sasikumar	Management
48.		Mr.S.Jagadeesan	Finance
49.		Dr.S.Dhanalakshmi	Management
50.		Dr.N.Suganthi	Management
51.		Mrs.N.Sudha	Marketing
52.		Mr.K.Balakrishnan	Marketing
53.		Mrs.T.Muthuselvi	Management
54.		Ms.S.Jothipriya	Marketing
55.		Dr.P.Kalaiselvi	Marketing
56.		Mrs.B.Jayalakshmi	Management
57.		Mr.N.Srinivasan	Marketing
58.		Ms.V.Sudha	Marketing
59.		Dr.Geeta Kesavaraj	Marketing and system
60.		Ms.T.Mohana	Marketing
61.		Mr.C.Govindan	General

3.1.4 What are the proactive mechanisms adopted by the college to facilitate smooth implementation of research schemes/ projects?

Research activities receive considerable and consistent support from the institution. Some of them are:

- **Advancing funds for sanctioned projects**
College advances need based funds for the sanctioned projects, recommended by the research committee.
- **Providing seed money**
To initiate research activities, the college provides seed money in the form of TA, DA, and extends facilities such as study leave, internet and library.
- **Autonomy to the principal investigator/coordinator for utilizing overhead charges**
Principal investigator/coordinator is fully authorized to utilize funds as per the sanctioned heads of account.
- **Timely release of grants**

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Advance fund is released on recommendation by the research committee in time. In case of delay in getting second installment advance is given by management to enable continuity of research work.

- **Timely auditing**
Auditing is carried out as per the norms of UGC/Funding Agency and internal auditing is also carried out.
- **Submission of utilization certificate to the funding authorities**
Utilization certificate is submitted along with final report, audited statements and publications of the research.

3.1.5 How is interdisciplinary research promoted?

All the possibilities for undertaking interdisciplinary research are identified and appropriate measures are initiated.

- **Between/among different departments of the college**
The department of economics undertakes interdisciplinary research work in the field of developmental studies
- **Collaboration with national/international institutes / industries**
Depts. of Botany and Chemistry have collaborated with the research centers.

3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students.

The College encourages the faculty members to invite eminent researchers and academicians to visit the college and interact with teachers and students through various means. The college allocates funds to the departments to conduct workshops, special lectures, conferences and seminars. The College offers local hospitality, honorarium, and other allowances to the scholars who visit the college on various occasions.

List of Researchers of eminence who visited the college during the last four years on various occasions is given below

The college takes serious efforts to attract researchers and academicians of eminence to visit the campus and interact with our faculty members and students. Such interaction takes place in special lectures organized by various departments. The list of renowned academicians who visited the campus is furnished below:

Department of Chemistry

S.No	Date	Programmes	Resource Person(s)
1.	14 th Aug - 2014	Research Methodology	Dr. P. Venkatesan / AP Mahendra Engineering College
2.	27 th Oct - 2014	Applications of Nanotechnology	Prof. Devaprakasam Deivasagam / P Karunya University

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3.	22 th Oct - 2013	Nanomaterials and its Applications	Dr. M. Parthibavarman / AP Mahendra Engineering College
4.	17 th Feb - 2012	Organic Synthesis	Dr. R. Sivakumar / AP Thiruvalluvar Govt Arts College
	21 st Sep - 2012	Green Chemistry	Dr. R. Lashmi / AP NKR Women's College
5.	8 th July - 2011	Spectroscopy and its applications	Dr. K. Balasubramani / AP Govt Arts College, Karur
	28 th Sep - 2011	Environmental Science	Dr.V.M. Selvaraj / H.O.D Annapoorna Eng. College
	20 th Oct - 2011	Astronomy and Fascinating	Dr. P. Duraisamy / AP Thiruvalluvar Govt Arts College

Department of Biotechnology :

S.No	Topic	Speaker	Date
1.	Recent Trends in Stem cell Research	Dr.S. Thinakaran, Head, Dept. of Biotechnology, Madhura College, Madurai.	02.05.2015
2.	Applications of nanotechnology	Dr.Devaprakasam Deivasagayam Karunya University, Coimbatore	27.10.2014
3.	Pro-biotics-antibiotic free aquaculture	Dr.N.Sivakumar Madurai Kamarajar University, Madurai	13.10.2014
4.	Biotechnology in biopolimer production	Dr.S.Umamaheshwari, Bharathidasan University, Trichy	10.02.2014
5.	Perspective of bioinformatics in modern biology	Dr.T.S.Gnanendra, Origene Biosolutions, Salem.	08.10.2014
6.	Nanobiotechnology	Dr.R.Dhandapani Periyar University Salem-11	28.02.2014
7.	Damage of streptococcus mutens biofilm by bacterial secondary metabolite	Dr.N. Sivakumar, Madurai Kamarajar University, Madurai.	28.09.2012
8.	Biotechnology in sustainable environment	Dr.M.Govindaraju, Bharathidasan University, Tiruchy	07.09.2012
9.	Conservation of environment	Dr.V.Dakshinamurthy, Satate Director, WWF India, Tamilnadu.	07.09.2012
10.	Nanotechnology in biomedical application	Dr.N.Pon Pandian, Bharathiyar University, Coimbatore.	19.09.2011
11.	Mushroom cultivation	Dr.Nelson Jayakumar, Aimst University, Malaysia.	09.09.2011
12.	Biodegradation	Dr. Seralathan kamalakannan,	09.02.2011

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	Chonbuk National University, South Korea.	
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Department of Computer Science & Applications

S.No	Date	Programmes	Resource Person(s)
1.	24.09.2014	Tamil Computing	Mr. Vignesh Raj , Tamil Enaiyam, London
2.	25.09.2014	Android and Web Apps	Mr. S.KarthikProp. S2i Vector/ Animation Academy, Erode
3.	09.01.2014 to 10.01.2014	Interview Skill, Employability Skills and Group Discussion	Mr. A.Sevakamoorthy Placement Director, Mahendra Engineering colleges.
4.	28.10.2013 to 30.10.2013	Personality and Communication Skill and Group Discussion	Mr. R.Karthickraja, IBT/MEC Mahendra Institutions.
5.	05.09.2013	Wireless Sensor Network Security	Mrs.K.Akilandeswari AP/ Govt. Arts college, Salem - 7
6.	23.07.2013	Cloud Computing	Mr.S.Satheesh AP/ Dept. Computer Science Periyar University
7.	04.02.2013	Mobile Communication	Mrs.R.Gangaiammal AP/ Govt. Arts college, Salem - 7
8.	28.08.2012	Digital Image Processing	Dr.A.Mallmurugan Dean, Mahendra Institutions.
9.	25.07.2012	Network Security	Dr.S.Kannan Head, Data Center, Mahendra Institutions.
10.	17.02.2012	Enterprise mobility solution focusing on Androids + i - phone technology and current trends in software industries.	Mr.S.Prithivirajan Head , Resource Planning, Target Top Systems, Chennai.
11.	26.09.2011 to 30.09.2011	Personality and Communication Skill, Interview Skill, Employability Skill and Group Discussion.	Mr.K.Anand, Mr.John Subakar, Mr.Ramani & Mr.Krishnakumar LEADS, Chennai
12.	04.10.2010 to 08.10.2010	Employability Skill	Mr.K.Anand, Mr.John Subakar, Ms.Gokulrani and Mr.Dhakshnamoorthi LEADS, Chennai
13.	07.09.2010	Education to Employment	Mr.K.Anand LEADS, Chennai
14.	27.08.2010	Personality Development and Communication Skills	Mr.S. Asaithambi Head, Arron Technologies, Salem.

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15.	21.01.2010	Li-Fi Technology	Ms.G.N.Madhupriya Software Engineer, Infosys, Bangalore.
16.	30.09.2009	Neural Networks, Genetic algorithm and Fuzzy logic.	Mr.R.Senthil Software Engineer, Sathyam, Bangalore.
17.	28.08.2009	Web Clustering Engines	Mr. A.Vaigunthamani Software Engineer, HP Software Solutions, Chennai

Department of Physics

S.No	Date	Titles/ Programs	Resource Persons
1.	09.07.10	Recent trends in Nanotechnology	Dr.S.Krishnan, Asst Professor, Paavai Engineering college
2.	08.07.11	Spectroscopy & its Application	Dr.K.BalaSubramani Asst. Professor, GAC, Karur
3.	19.09.11	Nanotechnology in Biomedical Applications	Dr.N.Ponpandain Asst. Professor Bharathiyar University, Coimbatore
4.	20.10.11	Astronomy and Fascinating	Dr. P.Duraisamy, Associate Professor, TGAC, Rasipuram
5.	13.02.12	Crystallography	Dr. K.Prabhavathi, Asst Professor Sri Saradha For Women, salem
6.	19.09.12	Thin Films Technology	Mrs. N.Sudha Asst Professor Sri Saradha For Women, salem
7.	28.02.14	Nanotechnology	Dr.R.Dhandapani Asst.Professor, Periyar University, Salem-11
8.	14.08.14	Research Methodology	Dr.P.Venkatesan, Head & Asst. Professor, MIT, Salem
9.	27.10.14	Applications of Nanotechnology	Prof. Devaprakasam Deivsagayam Head & Professor, Karunya University, Coimbatore.

3.1.7. What percentage of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?

About 5% of the staff members have utilized the sabbatical leave for the research activities.

3.1.8 Provide details of National and International conferences organized by the college highlighting the names of eminent scientists/scholars who participated in these events.

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Sl No	Conference/Seminar/Symposium Subject	Date	Grant Approved From	Amount
01	National symposium Biotechnology Dept	16-12-06	Dept of Biotechnology Ministry of Science and Technology.Govt Of India	60,000/-
02	State level workshop on Employment and healthy environment	23-6-07	Ministry of forest and environment.Govt Of India	50,000/-
03	National symposium Biotechnology Dept in trends in modern healthcare and biotechnology	23-2-08	Dept of Biotechnology Ministry of Science and Technology.Govt Of India	50,000/-

3.1.9 Details on the college initiative in transferring/advocating the relative findings of research of the college and elsewhere to the students and the community (lab to land)

Research efforts find a sense of fulfillment when the knowledge is transferred from the researchers to the students and the community. The college organizes talks where the PG students interact with the researchers on their topics. Some of the research findings are published in the local newspapers for the benefit of public. Their interviews and talks are telecasted in the cable network and community radio of the college. Their findings are also published in *journal*.

The following departments have taken steps to transfer the knowledge gained out of the institutional research by arranging workshops, seminars and conferences. The details are as under.

DEPARTMENT OF TAMIL

- 16 – 25 November 2012 “Tamil Sevvial Ilakiyathil Samugaviyal Velipadukal” (10 days Workshop) Organized by Central Institute Classical Tamil, Chennai. & Department of Tamil, Mahendra Arts and Science College.
- 18 – 20 February 2015 “Tholkappiya Marapum Sanga Ilakiyamum” (3 days Seminar) Organized by Central Institute Classical Tamil, Chennai & Department of Tamil, Mahendra Arts and Science College.

DEPARTMENT OF MATHEMATICS

1. State level Seminar on “Application of Mathematical Sciences” Organized by Dept. of Mathematics on 09 & 10th September 2006.
2. State level Seminar on “Application of Mathematical Sciences” Organized by Dept. of Mathematics on 1st March 2008.
3. National Conference on “Differential Equations and Applications” Organized by Dept. of Mathematics on 23rd September 2011.

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4. State level Seminar on “Applied Mathematics” Organized by Dept. of Mathematics on 22rd February 2013.
5. State Level Workshop on Statistical methods & its Applications – 20th September 2013.
6. State Level Seminar on Fuzzy Logic & its Applications – 10th March 2014.
7. One day Workshop on Mathematical modeling & its application 9th October 2014.

DEPARTMENT OF BIOTECHNOLOGY

1. National Symposium on “Modern Trends in Healthcare Biotechnology and Environment” Organized by the Biotech sciences, Mahendra Arts & Science College, Kalippatti on 22nd – 23rd February 2008.
2. “Workshop in Food Biotechnology” Sponsored by Department of Food and Nutrition, New Delhi. Organized by Dept of Biotechnology, Mahendra Arts & Science College, Kalippatti on 4th – 8th February 2008.
3. “Workshop in Biotechnology” Organized by Dept of Biotechnology, Mahendra Arts & Science College, Kalippatti on 22nd & 23rd May 2009.
4. State level seminar on “Beacon Biotech – 2009” Organized by Dept. of Biotechnology, Mahendra Arts & Science College, on Kalipatti 20th February 2009.
5. National Seminar on “Emerging Trends in Biotechnology”, Organized by School of Biosciences, Mahendra Arts & Science College, Kalipatti, on 18th and 19th February 2013.
6. National Seminar on “Human Perspectives of Biotechnology”, Organized by Dept. of Biotechnology, Mahendra Arts & Science College, Kalipatti on 11th and 12th February 2014.
7. Workshop on “Bioinformatics” Organized by Dept of Biotechnology, Mahendra Arts & Science College, Kalipatti on 8th October 2014.
8. State level seminar on “Recent Trends in Biotechnological Approach” Organized by Dept. of Biotechnology, Mahendra Arts & Science College, Kalipatti on 13th October 2014.

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

- 13.10.2014 - State Level Seminar on Cloud Computing and Security issues
- 09.10.2014 & 10.10.2014 – Workshop on Android Mobile Applications
- 21.02.2014 – State Level Seminar on Cryptography and Network Security
- 28.01.2013 – State Level Seminar on Advanced Trends in Information Technology
- 16.02.2012 – State Level Seminar on Emerging Trends in Computer Applications

DEPARTMENT OF COMMERCE

1. Conducted Guest Lecture entitled “Consumer Awareness” on February 2011.
2. The following Awareness Programmes were conducted at Kolankondai Village, Tiruchengode TK, Namakkal DT.

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- “Health and Hygiene” - 04.09.2009
 - “Current Media” - 05.10.2009
 - “De – Addiction” - 05.10.2009
 - “Children Health” - 06.10.2009
 - “Pollution Control Environment” - 06.10.2009
 - “Dental Camp” - 07.10.2009
 - “Cultural Activities” - 07.10.2009
 - “Vocational Training” - 08.10.2009
 - “HIV / AIDS” - 08.10.2009
 - “Tree Plantation” - 09.10.2009
3. National Seminar On FDI and Indian Industries on 09.10.2011
 4. National Seminar On Linkages Between Trade and Poverty on 13.09.2012.
 5. State level seminar on Recent Innovation In Business on 04.09.2013.
 6. State level seminar on Modern Approaches’ In Commerce on 07.10.2014.
 7. Workshop on FDI in Indian Industries on 08.10.2014.

3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

Faculty members of Science, Commerce and Humanities Departments are actively involved in guiding students in research projects. Faculty members are recognized by university as research guides.

List of Faculty members who are actively involved in research are given below: **Department of Biotechnology**

S.No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.Sc.,	M.Phil.,	Ph.D.,	
1	Dr.T.Selvankumar	2	1	5	29
2	Dr.T.S.Ganendra	2	1		21
3	Mrs.R.Rathika	2	2		7
4	Mr.A.Sengottaiyan	2	2		12
5	Mr.R.Thirumalaisamy	2			2
6	Dr.P.Thangvel	1	2		2
7	Mrs.R.Kanimozhi	1			
8	Mr.P.Thiyagarajan	1			2

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Department of Mathematics

S.No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.Sc.,	M.Phil.,	Ph.D.,	
1.	Mr. P. Gopalakrishnan	10	8	-	-
2.	Mr. C.Jayakumar	8	6	-	-
3.	Mr. A. S. Thirumurugan	6	-	-	-
4.	Mr.V.Shanmugasundaram.	4	-	-	-
5.	Mr. S. Sakthivel	6	6	-	-

Department of Commerce

S.No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.Com/MSW	M.Phil.,	Ph.D.,	
1.	Dr.V.Aravamudhan	--	--	3	5
2.	Dr.K.Selvaraj	4	3	--	7
3.	Dr.J.Josephine Daisy	4	2	--	9
4.	Mr.K.Kumaran	4	--	--	2
5.	Mr.C.Sasikumar	--	--	--	1
6.	Mr.S.Jagadeesan	4	2	--	2
7.	Dr.S.Dhanalakshmi	--	--	--	2
8.	Dr.N.Suganthi	--	--	--	5
9.	Mrs.N.Sudha	3	--	--	--
10.	Mr.K.Balakrishnan	3	--	--	--
11.	Mrs.T.Muthuselvi	--	--	--	--
12.	Ms.S.Jothipriya	--	--	--	--
13.	Dr.P.Kalaiselvi	3	--	--	--
14.	Mrs.B.Jayalakshmi	--	--	--	7
15.	Mr.N.Srinivasan	--	--	--	2
16.	Ms. V.Sudha	--	--	--	--
17.	Dr.Geeta Kesavaraj	--	--	--	17
18.	Ms. T.Mohana	--	--	--	--
19.	Mr.C.Govindan	2	--	--	3

Department of Computer Science & Applications

S.No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.Sc.,	M.Phil.,	Ph.D.,	
1.	Dr.S.Kumaravel	05	04	-	10
2.	Mr.Thirunavukkarasu	05	-	-	-
3.	Mrs.M.Sumathi	05	03	-	07
4.	Dr.S.Andrews	02	03	-	05

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5.	Mr. M.Namashivayam	03	-	-	01
6	Mr. N.Suresh	03	03		-
7	Mr. V. Joseph Emmanuel	02	-		-

Department of Chemistry

S.No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.Sc.,	M.Phil.,	Ph.D.,	
1.	Dr.B.Anand	-	04	-	13
2.	Dr.K.M.Govindaraj	-	03	-	03
3.	Dr.M.Jayandran	-	03	-	09
4.	Mr. R. Ramachandiran	05	-	-	09
5.	Mr.C.Muniagoundan	04	-	-	-
6	Mr.R.Soundirarajan	04	-	-	-
7	Mr.S.Babu Kumar	02	-	-	-
	Mr.G.Jagan	02	-	-	-

Department of Physics

S.No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.Sc.,	M.Phil.,	Ph.D.,	
1.	Dr. K. VallalPeruman	-	05	-	25
2.	Dr. M.Parthibavarman	-	05	-	08
3.	Mr.V.Hariharan	3	-	-	04
4.	Ms. R. S. Bhuvuneshwari	2	-	-	-
5.	Mr. A. Shanthakumar	3	-	-	-
6	Ms. P. Sangeetha	2	-	-	-

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Department of Tamil

S. No.	Name of the Faculty	No. of Students Guiding			No. of Publications
		M.A.,	M.Phil.,	Ph.D.,	
1	Dr. K. Gandhi	2	5	7	5
2	Dr. R. Sundaramoorthy	2	4	1	2
3	Dr. N. Sivasubramani	1	5	1	7
4	Dr. A. Jayakumar	1	5	-	3
5	Dr. S. Niranjanadevi	1	5	-	1
6	Dr. K. Vinodhkumar	1	4	-	7
7	Mr. S. Balamurugan	2	4	-	2

3.2. Resource Mobilization for Research

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

Every year our institution earmarked 5% of the budget for the research in Tamil and Biotechnology departments. Apart from this, they have received funds from various funding agencies like TNSCST, etc., for the research work.

3.2.2 What are the financial provisions made in the college budget for supporting student research projects?

All the recurring expenditure of the labs for student research project is met by the college. Students are paid TA for research related field-works and visits and participation in seminars.

3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?

Institution provides **paid leave** to the faculty members for attending PhD course work. TA/DA is provided for attending research related activities such as seminars conferences and workshops. In the last four years staff attended pre-PhD exams and all faculty members have attended research related activities.

3.2.4 Are there any special efforts made by the college to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.

Yes, the college encourages faculty members to file for patents. The college is keen in filing patents. **A Workshop on Research and Patenting** is organized to motivate teachers.

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3.2.5 Provide the following details of ongoing research projects:

The details of the Management Sponsored Minor Research Projects are given in the following table

ACADEMIC YEAR: 2014-15

S.No.	Department	Staff Name	Title of Project	Amount
1	Tamil	Dr. K. Gandhi	“Ongaliyamman Thirukovil” (Karaikurichippudur, Rasipuram)	7500.00
		Dr. R. Sundaramoorthi	“Oorpeyaraivu Pudupatti Perurachi” (Rasipuram)	7500.00
2	English	K. Sathya	Goldings Lord of the Flies and Ancient Indian Thought	3000.00
3	Mathematics	S.Sivakumar	A New approach to solve Fuzzy non linear equations using fixed point Iterationalogithem	5500.00
		R.Sasikala	Q-Level subring of Q-intuitionstic L-Fuzzy subrings	6000.00
4	Physics	Dr.N.Sakthivel	Crystal Growth	5000.00
5	Chemistry	Mr.V.Kumaravelan	Comparative study of mild steel corrosion in 1n sulphuric acid using aloe vera and lawsonia inermis extract	5000.00
		Ms. R. Vennila	Green synthesized cerium oxide nanoparticles with carbon nano tubes for solar studies	5000.00
6	Biotechnology	Mrs.R.Rathika	Influence of heavy metals on Plant growth regulation	5000.00
		Mr.P.Thiyagarajan	Isolation of antibiotic producing Actinomyces from soil	5000.00
7	Computer Science & Applications	Mr.S.Kumaravel	A Novel approaches for Mitigating Replica Nodes in WSN	5000.00
8	Commerce	S.JAGADEESAN	Problems Faced by the village co-operative Banks in the disbursement of Agricultural Subsidies	3000.00

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ACADEMIC YEAR: 2013-14

S.No.	Department	Staff Name	Title of Project	Amount
1	English	R. Sridevi	1) Translation and comparative literature, 2) Methods of developing fluency in oral and written skills	5000.00
2	Maths	R.Thenmozhi	Leighton Oscillation Criteria to the second order half linear differential equations	5000.00
3	Physics	B.Vimalarani	Queueing Theory	5000.00
		R.Senthil Kumar	NanoTechnology	5000.00
		R.S.Bhuvaneshwari	Materials Science	5000.00
4	Biotechnology	Mr.A.Sengottaiyan	Green Synthesis of Silver nanoparticles form medicinal plants	4000.00
		Mrs.R.Kanimozhi	Bioactive metabolites from algae collected from coastal region	4500.00
5	Computer Science & Applications	Mr.S.Kumaravel	Energy Efficient Finite Range Query Scheme for Detecting Mobile Adversary Replica Nodes in Wireless Sensor Networks	7000.00
		Mrs. M.Sumathi	An Efficient Intrusion Detection System for Network behaviors using Fuzzy Logic based Rules	5000.00
		Mrs.R.Jeevambal	Clustering Breast Cancer Dataset using Self- Organizing Map Method	4000.00
6	Commerce	Dr.J.Josephine Daisy	Problems and Prospectus of Rural Vegetable Markets in Namakkal District (Farmers Sandy)	3000.00
		Dr.P.Kalaiselvi	The Role of SHG in the Village Development at Namakkal District	3000.00

ACADEMIC YEAR: 2012-13

S.No.	Department	Staff Name	Title of Project	Amount
1	English	M. Eswari	1) Slow learners – The Role of an English Teacher in	5000.00

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			making students Better Learners, 2) The Importance of speaking English in Rural Students- Analysis on Sivagangai and Ramnad.	
2	Mathematics	A.S.Thirumurugan	Discrete Mathematics	5000.00
		V.Shanmugasundaram	Data mining time series modeling approach	5000.00
3	Biotechnology	Mrs.R.Rathika	Antioxidant Potential and Secondary Metabolites of <i>Ocimum Sanctum</i> L. at Different Habitats	5000.00
		Mr.A.Sengottaiyan	A comparative study on properties and proteolytic components of papaya peel and latex proteases	3500.00
		Dr.P.Thangavel	Study of Antimicrobial Activity of <i>Lantana camara</i> by using Different Solvents	4500.00
4	Computer Science & Applications	Mr.S.Kumaravel	Mitigate Replica Nodes in Wireless Sensor Networks using Adaptive Traffic Data Control Scheme (ATDCS)	5000.00
5	Commerce	C.Sasikumar	Corporate Governances – Transparent Management in Self Financing Colleges	5000.00
		Dr.B.Sudha	Problems and prospectus of Women Entrepreneurs in Salem City	3000.00

ACADEMIC YEAR: 2011-12

S.No.	Department	Staff Name	Title of Project	Amount
2	English	M. Eswari	1) Slow learners – The Role of an English Teacher in making students Better Learners, 2) The Importance of speaking English in Rural Students- Analysis on Sivagangai and Ramnad.	5000.00
3	Maths	G.Nithyakala	Number Theory	5000.00

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		S.Sakthivel	Graph theory	5000.00
6	Biotechnology	Mr. T. Selvankumar	Production and Purification of Endo Pectinase Enzyme from <i>Fusarium spp.</i> , <i>Penicillium spp.</i> , and <i>Aspergillus spp.</i> by using Different Substrates	5500.00
		Mrs.R.Rathika	Influence of Phytochemical on the Feeding Preference Growth and Digestive Enzyme on the Ground Nut Caterpillar <i>Spodoptera Litura</i> (Fab)	4500.00
		Mr.A.Sengottaiyan	Production and Purification of Protease Enzyme from <i>AspergillusSpp.</i> by Using Different Substrates	4000.00
7	Computer Science & Applications	Mr.S.Kumaravel	Design and Development of ATDCS Technique for Detecting Mobile Adversary Replica Nodes in WSN	6000.00
8	Commerce	Dr.K.Selvaraj	Excessive Stress and Its Impact on Employee's Behaviour at HDFC Bank At Salem City	3000.00

ACADEMIC YEAR: 2010-11

S.No.	Department	Staff Name	Title of Project	Amount
1	English	M. Eswari	Pedagogical Concerns in Curricular Materials.	5000.00
2	Mathematics	P.Gopalakrishnan	Vertex-magic total labling of generalized petersen graphs and convex polytopes	5000.00
		C.Jayakumar	Measure Theoty	5000.00
3	Biotechnology	Mr.T. Selvankumar	Microbial Process for the Decolourization of Textile Dyes and Effluent in Erode District	4500.00
		Mr.A.Sengottaiyan	Bio Chemical and Molecular Characterization of Biocontrol Agent Trichoderma	4500.00
4	Computer	Mr.S.Kumaravel	Deployment of Query Validation for Finite Range	5000.00

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	Science & Applications		Query Scheme in Wireless Sensor Networks
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S.No.	Name of the Faculty and Department	Funding Agency	Amount	Title of the Project
3	Dr. T.Selvankumar Department of Biotechnology	TNSCST (Student Project) 2012	Rs. 6000/-	Association of mycorrhizal fungi with cultivated medicinal plants to resist drought & Salinity
4	Dr. P.Thangavel Department of Biotechnology	TNSCST (Student Project) 2013	Rs 10000/-	Large Scale Production and Genetic Conservation of a Valuable Medicinal Plant of Acorus Calamus. L

The following departments have received funds from various agencies for conducting Seminars, Workshops and student projects.

S.No.	Name of the Faculty and Department	Funding Agency	Amount	Title of the Project
1	Department of Tamil	Classical Tamil Research Centre, Chennai	Rs.250000/-	Workshop “Tamil Chevial Elakkiyathil Samoogavial Velipadugal” November (16-25, 2012)
2	Dr. T.Selvankumar Department of Biotechnology	TNSCST (Student Project) 2010	Rs. 6000/-	An Inventory Study for the Enhancement of Biogas production by Co-Digestion of Sago Effluent with Poultry Waste

S.No.	Name of the Faculty and Department	Funding Agency	Amount	Title of the Project
3	Dr. T.Selvankumar Department of Biotechnology	TNSCST (Student Project) 2012	Rs. 6000/-	Association of mycorrhizal fungi with cultivated medicinal plants to resist drought & Salinity
4	Dr. P.Thangavel Department of Biotechnology	TNSCST (Student Project) 2013	Rs 10000/-	Large Scale Production and Genetic Conservation of a Valuable Medicinal Plant of Acorus Calamus. L

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3.2.6 How many departments of the college have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.

- Recognizing the research activities of the **Departments of Biotechnology** in the field of advanced research, the Department of Science and Technology- Funds for Improvement of Science and Technology and Infrastructure in University and Higher Educational Institutions (**DST- FIST**) provided a financial assistance of Rs. 30,00,000/- .

3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).

Yes, The Tamil and Biotechnology departments received grants from the central institute of classical Tamil, Chennai and Ministry of Science and Technology TNSCST and DBT. The details are given below.

S.No.	Programme Conducted by the Biotechnology Department	Date	Grant Approved from	Amount
1	National symposium on "Traditional medicine, Human Health and Biotechnology".	15 & 16 Dec, 2006	Dept. of Biotechnology Ministry of Science & Technology, Government of India.	Rs.60000/-
2	State level workshop on "Agricultural Biotechnology for rural development" self employment and healthy environment.	23 & 24 June, 2007	Ministry of Environment & Forest, Government of India.	Rs.50000/-
3	National Symposium on Modern Trends in Healthcare Biotechnology & Environment.	23 & 24, Feb, 2008	Department of Biotechnology (DBT)	Rs.50000/-
4	Training Programme on fruit & Vegetables Preservation and nutrition.	4 & 5, Feb, 2008	Food and nutrition board, Ministry of women & child Development, Government of India.	Rs.1500/-
5	Central Classical Tamil Research Centre Chennai & Department of Tamil	16-25 th Nov, 2012	Tamil Chevviyal Elakkiyathil Samoogavial Velipadugal	Rs.2.5 Lakhs

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3.2 Research Facilities

3.3.1 What efforts are made by the college to keep pace with the infrastructure requirements to facilitate research? How and what strategies are evolved to meet the needs of researchers?

- Each department communicates its research infrastructure requirements to the college administration. The same is reviewed by Research Committee and finalized.
- Efforts are made by the college to obtain substantial grants for providing infrastructure required for research activity in the college.
- Periodic updating and upgradation of scientific equipment is made and other facilities including books and journals are procured.
- All postgraduate departments are equipped with adequate infrastructure such as Research laboratories, Computer facility, necessary basic amenities in the laboratories etc.

3.3.2 Does the college have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.

- College has arrangements to provide information to the researchers. The research committee regularly gathers information related to funding & collaborative agencies, opportunities in specialized research training programmes, and thrust areas for research opportunities etc. and makes it available to the staff.
- The research information related to different fields are made available to staff in library, through INFLIBNET, Online journal subscription.

3.3.3 Does the college provide residential facilities (with computer and internet facilities) for research scholars and faculty?

- Yes. Need based accommodation facility is provided in the guesthouse/hostel of the institution.
- Research scholars and faculty members are provided with internet /Wi-Fi and library facilities.

3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programs? If yes, give details.

Yes. The college has a specialized research lab on proteins which provides facilities for protein expression and scale-up.

Details of the instrumental facilities available are as follows:

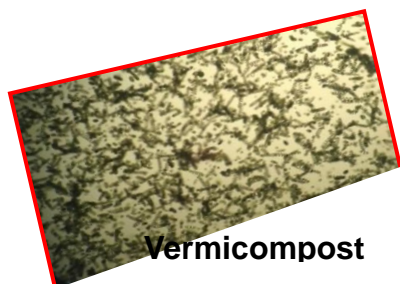
S.No.	Particulars
1.	Autoclave
2.	BOD incubator
3.	Boiling water bath
4.	Deep freezer
5.	ELISA reader
6.	Fermentor
7.	Gel documentation system

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8.	High speed cooling centrifuge
9.	Hot air oven
10.	Hybridizer
11.	Immuno Electrophoresis horizontal
12.	Incubator with digital
13.	Laminar air flow
14.	Lux meter
15.	Lyophilizer (Freeze dryer)
16.	PCR (Eppendorff)
17.	Remi Centrifuge R-24angle model
18.	Rotary shaker
19.	Shaker (orbital) with incubator
20.	Sonicator
21.	Spectrophotometer (digital)
22.	System digital techo meter
23.	Tissue culture rack
24.	Transilluminator
25.	UV-Vis spectrophotometer
26.	Water bath shaker
27.	Western blotting
28.	Muffle furnarse
29.	Flame Photmeter
30.	GM Counter

3.3.5 Does the college have research facilities (centre, etc.) of regional,national and international recognition/repute? Give a brief description ofhow these facilities are made use of by researchers from other laboratories.

Though the centers are not recognized by national/international agencies, theexisting facilities are upgraded regularly to meet the needs of researchers.Institution has a unique research centre for Spirulina and Mushroom cultivation.



Vermicompost



Spirulina Cultivation



Mushroom Cultivation

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the college through the following:

With the availability of abundant research resources of the institution, the staff members engage themselves in active research with avid interest. Consequently, they present papers in regional, national and international conferences and also publish their research articles in renowned journals.

- Number of papers presented in regional, national and international conferences**

The details regarding the **papers presented** by the faculty members in various seminars/ conferences are given below:

S.No	Departments	Training		Seminar / Conference				Workshop
		University	Other Institutions	Inter National	National	State Level	Participated	
1	Tamil	-	-	06	06	02	02	27
2	English	01	-	04	07	02	-	01
3	Maths	01	01	-	-	-	28	-

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4	Physics	-	02	-	-	-	04	13
5	Chemistry	-	-	25	02	-	23	11
6	Bio Technology	01	04	03	29	02	26	05
7	Computer Science	03	04	-	04	02	02	03
8	Commerce	03	05	21	52	07	-	12

- **Faculty- wise research publications**

The details of the publications of the research articles of the faculty members are furnished in the Department wise:

Department	No. of Publications
Physics	46
Chemistry	34
Biotechnology	61
Computer Science & Applications	29
Commerce	67
Total	237

- **Faculty members serving on the editorial boards of other national and international journals**

Dr.T.Selvankumar, Head, Department of Biotechnology

1. Editor, International Journal of Advanced Science and Engineering (IJASE).
2. Scientific Committee and Editorial Board member of Medical and Biological Sciences, World Academy of Science, Engineering and Technology.
3. Editorial Board member of “The Journal of General and Molecular Virology (JGMV).
4. Editorial Board member of “World Journal of Medicine and Medical Science”.
5. Member in International Association of Researchers on Journal of Natural Substances.
6. Advisory Board Member of World Research Journal of Biosciences

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- **Faculty members on the organization committees of international conferences**

Dr.T.Selvankumar, Head, Department of Biotechnology

- International Conference Committee Member- ICBFT 2015 : 17th International Conference on Bioprocess and Fermentation Technology, Istanbul, Turkey. -September 28-29, 2015.
- International Conference Committee Member- ICI 2015 : 17th International Conference on Immunology, London United Kingdom- September 25-26,2015.
- International Conference Committee Member- IBFTC 2016: International Bioprocess and Fermentation Technology Conference- Chicago, USA, October 6-7, 2016.
- International Advisory Committee Member- International Conference on Nanoscience, Nanoengineering and Applications (ICNNA-2015), Geethanjali College of Engineering and Technology, Ranga Reddy District, Telangana-501 301, July 9-11, 2015.

3.4.2 Does the college publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?

Yes. the quarterly research journal published by the Mahendra Publications and the details are given below

Title of the Journal:**International Journal of Advanced Science and Engineering(IJASE)**

ISSN Number: **2349 5359**

Web link: <http://www.mahendrapublications.com>

Editorial Board

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- Dr. Xinyu Zhang**, Auburn University, USA
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- Dr. V. Shanmugam**, Mahendra Engineering College, India
- Dr. R. Asokan**, Mahendra College of Engineering, India
- Dr. E. Murano**, Protos Research Institute, Italy
- Dr. S. Sambasivam**, Alga Marine, India
- Dr. Pietro Campaner**, AEP Polymers, Italy
- Dr. K. M. Govindaraju**, Mahendra Engineering College, India
- Dr. Salah. M. Saleh**, Cotton Research Institute, Giza, Egypt
- Dr. P. Perumal**, Periyar University, India.
- Dr. S. Sundraganesan**, Annamallai University, India.
- Dr. B. Senthilkumar**, Haramaya University, Ethiopia
- Dr. N. Sivakumar**, Madurai Kamaraj University, India
- Dr. Slawomir Susz**, Wroclaw University of Technology, Poland
- Dr. B. Anand**, Mahendra Engineering College, India
- Dr. Andrews Samraj**, Mahendra Engineering College, India
- Dr. K. Murugan**, King Saud University, Saudi Arabia.

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4	Dr N. Sivasubramani	National		Sithalaisathanar Pathirangalai samayathirku payanpaduthiya vitham	06.10.2012 Donboseko Arts & Science College, Dharmapuri.	2012		
			Inter national	Oppittu Nokkil Thirumurukattrupadai – Silappathikaram Kattum Makalir Alangaram	23.12.2012 Kongunadu Arts & Science College, Covai.	2012		
		National		Tamil Valarichil Valaipookalin Panku	10.01.2013 Kavirajan Tamil Mandram, Bharat Science Management College, Tanjur.	2013		
		National		Poruliyal Puranadai Iyala?	31.01.2013 Tagore Arts College, Pudukai.	2013		
		National		Mankani Kaviyathil Moondru Penkal	1.03.2013 Annai Velankanni Womens College, Chennai	2013		
			Inter national	Homeo Kavithai Muthukalil Thagaval velipadu	20.07.2014 IAS Academy, Kudiyattram Tamil Sangam, Semmothai Pathipagam, Chennai.	2014		
		National		Anumanin Thagaval Parimatra Thiran	26.09.14 Kongu Arts & Science College, Erode.	2014	5	2
5	Dr A. Jayakumar	National Workshop		Sangaka Ilakkiyathil Nel	18.11.2012 (CICT), Chennai. Mahendra Arts & Science College, Kalippatti.	2012		
		National Workshop		Sangaka Ilakkiyathil Kudilkal	20.11.2012 (CICT), Chennai. Mahendra Arts & Science College, Kalippatti.	2012		
		National Workshop		Ambal Alrum sangakala Mahalirum	09.01.2013 (CICT), Chennai. Selvam Arts & Science College, Namakkal.	2013	3	
6	Dr K. Vinodhkumar	National		Arainan	18.02.2011 Bharathiar University Coimbatore. (UGC)	2011		
		National		Kothain Kathaiyadalkal	March 2,3 – 2012 Ayya Nadar Janaki	2012		

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					ammal College, Sivakasi			
		National		Silappathikarathil Samana Samaya Kolkai Miralkal	March 23,24 – 2012 Urumu Dhanalakshmi College, Trichy.	2012		
		National		Kurunthokail Udalmozhi Unarthum Solalkal	May 19,20 – 2012 Madurai Tamilazhiyar Manram, Madurai. Bangalore.	2012	4	
			Inter national	Sirupanattrupadaiyi l pulavarin pulaithiran	December 2012 Kongunadu Arts and Science College, coimbatore.	2012		
			Inter national	Sirupanattrupadaiyi l Naththathanar engindra kathaisolli	March 23,24 – 2013 Madras University and Malaai University	2013		
			Inter national	Mudathamakanniy ar engindra kathaisolli	20.07.2014 IAS Academy, Kudiyattram Tamil Sangam, Semmothai Pathipagam, Chennai.	2014		3
7	Dr S. Niranjanadevi	National		Bharathin Padaippukal Oru Parvai	26.09.14 Kongu Arts & Science College, Erode.	2014	1	
					Total		17	9

DEPARTMENT OF BIOTECHNOLOGY

LIST OF PUBLICATIONS

Dr.T. SELVAN KUAMR

1. Response surface methodology based optimization of keratinase production from alkali-treated feather waste and horn waste using *Bacillus* sp. MG-MASC-BT. Muthusamy Govarathanan, **Thangasamy Selvankumar**, Kandasamy Selvam, Chinnappan Sudhakar, Vincent Aroulmoji, Seralathan Kamala-Kannan, 2015., Journal of Industrial and Engineering Chemistry. 25-30. (I.F. 2.06).
2. Muthusamy Govarathanan, Seralathan Kamala-Kannan, Rathika Rajinikanth, **Thangasamy Selvankumar**. A comparative study on bioactive constituents between wild and in vitro propagated *Centella asiatica*. 2015. Journal of Industrial and Engineering Chemistry. 13, 25-29.

3. Loganathan Praburaman, Jung-Hee Park Muthusamy Govarthan, **Thangaswamy Selvankumar**, Sae-Gang Oh, Jum-Suk Jang, Min Cho, S. Kamala-Kannan, Byung-Taek Oh., Impact of an organic formulation (panchakavya) on the bioleaching of copper and lead in contaminated mine soil. 2015. *Chemosphere*. 138, 127-132. **(I.F. 3.2)**.
4. Adithan aravinthan, Muthusamy govathanan, Kandasamy selvam, Loganathan Praburaman, **Thangasamy Selvankumar**, Rangachari Balamurugan, Seralathan Kamala-Kannan, Jong-hoon Kim, Sunroot mediated synthesis and characterization of silver nanoparticles and evaluation of its antibacterial and rat splenocyte cytotoxic effects. *International Journal of Nanomedicine* 2015:10 1977–1983. **(I.F. 4.2)**.
5. J.Albinjose, Jasmine, **T. Selvankumar**, Srinivasakumar K.P (2014) Phytochemical Screening and Antibacterial Potential of *Tinospora cordifolia* against Highly Resistant Human Pathogen's. *International Journal of Medical and Pharmaceutical Research*. Vol. 0 1: 1, pp. 1-6. **(I.F 1.43)**.
6. Albinjose J, Jasmine, **Selvankumar T** and Srinivasakumar K P (2014) Antibiotic susceptibility pattern of Bacterial Strains Isolated from surgical or Non surgical lesions. *International Journal of Advances in Interdisciplinary*, Vol. I : 5-7.
7. P. Mohanraj M. Kamaraj M. Govarthan, V. Aroulmoji, C. Sudhakar, and **T.Selvankumar**, (2014) Effects of physico-chemical variance in remediated sugar mill effluent by free and immobilized cells of *Pseudomonas fluorescens* strain MK5. *International Journal of Advanced Science and Engineering* Vol. 1 No. 1 15-19.
8. P Mohanraj, **T. Selvankumar**, M. Kamaraj and M. Govarthan. (2014) Analysis of physico-chemical variance in remediated paper mill effluents by free and immobilized cells of *Pseudomonas aeruginosa* strain MK1. *International Journal of Advanced Science and Engineering* Vol. 1 No. 24-27.
9. M.Govarthan, **Thangasamy Selvankumar**, Kui-Jae Lee, Min Cho, K. Manoharan, Byung-Taek Oh, S. Kamala-Kannan. Biosynthesis and characterization of silver nanoparticles using panchakavya, an Indian traditional farming formulating agent. (2014). *International Journal of Nanomedicine- Dove Press*.2014:9, 1593-1599.**(I.F 4.2)**
10. Kandasamy Selvam, M. Govarthan, S. Kamala-Kannan. M. Govindaraju, B. Senthilkumar, **Thangasamy Selvankumar** and A. Sengottaiyan. (2014). Process optimization of cellulase production from alkali-treated coffee pulp and pineapple waste using *Acinetobacter* sp. TSK-MASC. *Royal Society of Chemistry Advances*. Vol.4. 13045-13051. **(I.F 3.5)**.
11. Kandasamy Selvam, Rathika Rajinikanth, Muthusamy Govarthan, Agastian Paul, **Thangasamy Selvankumar** and Arumugam Sengottaiyan (2013). Antioxidant potential and secondary metabolites in *Ocimum sanctum* L. at various habitats. *Journal of Medicinal Plants Research*. Vol.7 (12), 2013 pp. 706-712.
12. Kandaswamy S, Muthusamy G., **Thangaswamy S.**, and Senthilkumar B. (2012). Screening and Identification of Antibiotic Producing Actinomycetes and their Antagonistic Activity Against common Pathogens. *World Research Journal of Antimicrobial Agents*. Volume 1, Issue 1, 2012, pp.07-10.
13. Arumugam Sengottaiyan, L. Praburaman, Koildhasan Manoharan, Rathika Rajinikanth, Muthusamy Govarthan and **Thangaswamy Selvankumar** (2012). Hypoglycemic and Hypolipidemic Activity of *Solanum Nigrum* In Alloxan Induced Diabetic Albino Rats. *International Journal of Pharmaceutical Sciences and Research*. Vol. 3(8): 2841-2848.

14. Arumugam Sengottaiyan, Muthusamy Govarthanam, **Thangaswamy Selvankumar**, (2012). Molecular based rapid method to resolve the extent of DNA damage in *Acalypha indica*. International Journal of Pharma and Biosciences. Vol.3(4): (B) 142-146.
15. Kandasamy Selvam, Srinivasan Arunprakash, **Thangasamy Selvankumar**, Muthusamy Govarthanam and Arumugam Sengottaiyan (2012). Antioxidant Prospective and Secondary Metabolites in *Abutilon indicum* at Different Environment. International Journal of Pharmaceutical Sciences and Research. Vol. 3(7): 2011-2017.
16. Chinnappan Alagesaboopathi, **Thangasamy Selvankumar** (2011) Antagonistic activities of *Pseudomonas fluorescens* and strain improvement of *Rhizobium* species. International Journal of Biosciences. Vol. 1(6): 54-63.
17. Govarthanam, M., Guruchandar, A., Arunapriya, S., **Selvankumar, T.**, and Selvam.K., (2011). Genetic variability among *Coleus sp* studied by RAPD banding pattern analysis. International Journal for Biotechnology and Molecular Biology Research. Vol. 2(12), 202-208.
18. **Thangaswamy Selvankumar**, Muthusamy Govarthanam, Munisamy Govindaraju (2011) Endoglucanase production from *Bacillus amyloliquefaciens* by using Coffee pulp as a substrate in Solid state fermentation. Int. J. Pharma & Biosci. 2(3) 2011. B 355-362.
19. Muthusamy Govarthanam, **T. Selvankumar**, S. Arunprakash (2011) Production of keratinolytic enzyme by a newly isolated *Bacillus sp.* from chick feather waste. Int. J. Pharma & Biosci. 2(3): B 259-265.

Dr. T.S.GNANENDRA

1. Sureshkumar BT, **Gnanendra TS** and Natarajaseenivasan K(2014), Molecular Modeling and Docking Analysis of Jaceosidin Compound with HPV-16 E7 Protein, **Int J Adv Interdis Res**, 1(5): 1-4. ISSN 2348 –0696
2. Kirubarani, Viyajakumari, **Gnanendra** (2014), Evaluation of *Acalypha indica* phytochemicals as anti-diabetic compounds by Molecular docking studies, **Int J Adv Interdis Res**, 1(6): 5-13. ISSN 2348 –0696
3. **Gnanendra Shanmugam**, Syed Mohamed, Jeyakumar Natarajan (2013) “Identification of potent inhibitors for *Salmonella typhimurium* quorum sensing via virtual screening and pharmacophore modeling”, **Combinatorial Chemistry & High Throughput Screening**, 16: 10: 826 – 839. (IF 2.46)
4. **Gnanendra Shanmugam**, Anusuya Shanmugam, Natarajan Jeyakumar (2012) “Molecular modeling and active site analysis of SdiA homolog, a putative quorum sensor for *Salmonella typhimurium* pathogenicity reveals specific binding patterns of AHL transcriptional regulators”, **J Mol. Model.**, 18: 4709 – 4719. (IF 2.0)
5. Arjunan Subramanian, **Gnanendra Shanmugam**, Viswanathan Thirumoorthy and Moorthy Kannaiyan (2012). Theoretical modeling and binding site analysis of potential drug target of salmonella typhimurium. **Int J of Interdisci Res and Revs**. 1(1):pp 31 - 36.
6. **T.S.Gnanendra**, Thushara Antony and B.Sharmila (2011) “An approach of Improving the Accuracy of Protein Secondary structure Prediction Methods using Consensus Prediction Method” **International Journal of Biological Technology** : Vol.No.2(2)pp.83-87.ISSN: 0976 – 431.
7. **T.S.Gnanendra, G.Geethu, S.Arjunan, B.Sharmila, M.I. Zahir Hussain, K.Moorthy and N.Jeyakumar (2010).**“Theoretical Models of Quorum Sensing Dependent Regulation of Transcriptional Activators of *Pseudomonas aeruginosa*” **International Journal of Biological Technology**: Vol. 1 (3), Pg : 43-49.ISSN: 0976 – 431

8. **K.M.Tullanithi, B.Sharmila and T.S.Gnanendra (2010).** “Preliminary Phytochemical analysis and Antimicrobial activity of *Achyranthes aspera* Linn.” *International Journal of Biological Technology* : Vol. 1 (3), Pg : 35-38.ISSN: 0976 – 431
9. K.Moorthy, I.Prasanna, N.Thajuddin., S.Arjunan, **T.S.Gnanendra** and M.I.Zahir Hussain(2010)“Occurance of Mycopopulatoin in Spices and Herbal Drugs”*International Journal of Biological Technology* : Vol. I (1) Special Issue Pg : 6-14.ISSN: 0976 – 431
10. S.Arjunan, T.S.Gnanendra and T.Viswanathan³ (2010) “*Insilico* Sequence Analysis of Virulence Genes of *Salmonella typhi*” *J.Advanced Biotechnology Vol.10- (5) : 10-14* ISSN : 0973-0109

Mrs. R. RATHIKA

1. Muthusamy Govarthan, Seralathan Kamala-Kannan, **Rathika Rajinikanth**, Thangasamy Selvankumar. A comparative study on bioactive constituents between wild and in vitro propagated *Centella asiatica*. 2015.Journal of Industrial and Engineering Chemistry.13,25-29.
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3. Kandasamy Selvam, **Rathika Rajinikanth**, Muthusamy Govarthan, Agastian Paul, Thangasamy Selvankumar and Arumugam Sengottaiyan (2013). Antioxidant potential and secondary metabolites in *Ocimum sanctum* L. at various habitats. Journal of Medicinal Plants Research. Vol.7 (12), 2013 pp. 706-712.
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Mr.A. SENGOTTAIYAN

1. Kandasamy Selvam, M. Govarthan, S. Kamala-Kannan. M. Govindaraju, B. Senthilkumar, Thangasamy Selvankumar and **A. Sengottaiyan**. (2014). Process optimization of cellulase production from alkali-treated coffee pulp and pineapple waste using *Acinetobacter* sp. TSK-MASC. Royal Society of Chemistry Advances. Vol.4. 13045-13051.
2. Kandasamy Selvam, Rathika Rajinikanth, Muthusamy Govarthan, Agastian Paul, Thangasamy Selvankumar and **Arumugam Sengottaiyan** (2013). Antioxidant potential and secondary metabolites in *Ocimum sanctum* L. at various habitats, Journal of Medicinal Plants Research Vol.7 (12), pp. 706-712
3. **Arumugam Sengottaiyan**, L. Praburaman, Koildhasan Manoharan, Rathika Rajinikanth, Muthusamy Govarthan and Thangaswamy Selvankumar (2012). Hypoglycemic and Hypolipidemic Activity of *Solanum Nigrum* In Alloxan Induced Diabetic Albino Rats International Journal of Pharmaceutical Sciences and Research. Vol. 3(8): 2841-2848
4. **Arumugam Sengottaiyan**, Muthusamy Govarthan, Thangaswamy Selvankumar (2012). Molecular based rapid method to resolve the extent of DNA damage in *Acalypha indica*. International Journal of Pharma and Biosciences, Vol.3(4): (B) 142-146
5. Kandasamy Selvam, Srinivasan Arunprakash, Thangasamy Selvankumar, Muthusamy Govarthan and **Arumugam Sengottaiyan** (2012). Antioxidant Prospective and Secondary

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Metabolites in *Abutilon indicum* at Different Environment. International Journal of Pharmaceutical Sciences and Research. Vol. 3(7): 2011-2017

Dr. P. THANGAVEL

1. Prabhu, S., John Britto, S., **Thangavel, P.**, Joelri Michal Raj, L. and Senthilkumar, S.R. (2011). Antibacterial and antioxidant activity of leaves of *Canavalia mollis* Wight & Arn. (Horse Bean). International Journal of Pharmaceutical Sciences and Research. Vol. 2 (1): 95-101.

Mr. P. THIYAGARAJAN

1. **P. Thiyagarajan**, A. Lakshmi Bhavani, M.G. Ebbie and G. Chandra (2014). A study on control of *Aeromonas hydrophila* infection in the cat fish by medicinal plants. Scholar academic Journal of Bioscience. Vol. 2 (2): 144-150.

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS PUBLICATIONS BY THE STAFF MEMBERS

Dr.S.Kumaravel

S.No	Publications
1	S. Kumaravel, "Adaptive data traffic control with Wireless Sensor Networks" , International Journal of Computational Intelligence and Informatics, ISSN No. 2231-0258.
2	S. Kumaravel, " Design and Development of ATDCS Technique for Detecting Mobile Adversary Replica Nodes in WSN " IJLRST, International Journal of Latest Research in Science and Technology, Volume 2, Issue 2, April 2013, ISSN No. 2278-5299. (Indexed by Google Scholar, Science Common et. al.)
3	S. Kumaravel, " Mitigate Replica Nodes In Wireless Sensor Networks Using Adaptive Traffic Data Control Scheme [ATDCS]", IJCSIT, International Journal Of Computing Science And Information Technology, Volume 1, Issue 2, April 2013, ISSN No. 2278-9669.
4	S. Kumaravel, "Deployment of Query Validation for Finite Range Query Scheme in Wireless Sensor Networks" , IJAIS, International Journal of Applied Information Systems, Volume 3, Number 7, August 2012, ISSN : 2249-0868. (Indexed by Google Scholar, ADS, Informatics, Harvard University et. al.)
5	S. Kumaravel, "Energy Efficient Finite Range Query Scheme for Detecting Mobile Adversary Replica Nodes in Wireless Sensor Networks", IJCA, International journals of Computer Applications, Volume 44, Number 14 , April 2012 , ISSN : 0975-8887. (Indexed by ProQuest, Scientific Common et. al.).

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6	S. Kumaravel , “Integrated Approach of ATDCS (Adaptive Traffic Data Control Scheme) and FRQ (Finite Range Query) for Preventing Replica Nodes in WSN”, Indian Streams Research Journal ISSN No: 2230-7850 Volume- 4, Issue-1, Feb-2014.
7	S. Kumaravel, “ A Novel Approaches for Mitigating Replica Nodes in WSN International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X Volume 4, Issue 6, June 2014.
8	S. Kumaravel , “Security and Privacy Challenges Mona in Cloud Computing using Signature Generation “ , International Journal of Emerging Technology in Computer Science and Electronics ISSN: 0976-1353 Volume 9, Issue 1, July 2014.
9	S. Kumaravel , “A Distributed Handling Mobility Handover in Collaborative Spatially with Classifies the Generation Partnership”, International Journal of Emerging Technology in Computer Science and Electronics ISSN: 0976-1353 Volume 9, Issue 1, July 2014.
10	S. Kumaravel , “Secure Enhanced Intrusion Detection System for Mobile Ad Hoc Networks “ ,International Journal of Advanced Engineering Science and Information Technology ISSN: 2349-3216 Volume 6, Issue 6, June 2014.

Dr.S.Andrews

S.No	Publications
1	S.Andrews, “Technology Review: Image Enhancement, Feature Extraction and Template Protection of a Fingerprint Authentication System Journal of Applied Sciences, Asian Network for Scientific Information (ANSINET). Vol. 10 (14), pp. 1397-1404,
2	S.Andrews, “Eliminating forgers based on Intra trial variability in online signature verification using Hand glove and photometric signals”, Journal of Information security, Scientific Publications, USA. PP.23-28, Vol.1 No.1, 2010
3	S.Andrews,“Online Hand Signature Verification”, A Review, Journal of Applied Sciences Vol 10 (15) pp.1632-1643, 2010.
4	S.Andrews, “Dynamic Clustering Estimation of tool flank wear in turning process using SVD models of the emitted sound Signals”, World Academy of Science, Engineering and Technology, Issue 80 August 2011., pp 1322 -1326.
5	S.Andrews,“Evaluation of methods for estimating fractal dimension in motor imagery based brain computer interface,” in Discrete Dynamics in Nature and Society, Hindawi Publications. Volume 2011 (2011), Article ID 724697, 8 pages.(Impact Factor is 0.967 according to 2009 Journal Citation Reports released by Thomson Reuters (ISI) in 2010.

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Mrs.M.Sumathi

S.No	Publications
1	M.Sumathi, "Advanced Network intrusion Detection System based on effective feature selection", International Journal of computer Science and Information Technology, Vol. Pg. no 107-112 ISSN No. 0975-9646
2	M.Sumathi, "An efficient Intrusion Detection system for Network behaviors using Fuzzy Logic based ", International Journal of Advanced Research in Computer and Communication Engineering Vol . 2 (8) Pg.no 3115-3117 ISSN 2278-1021
3	M.Sumathi, "Tracing of Single Neuron with Seed Growing Segmentation in Neuron Images", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 10 Issue 1-October 2014.
4	M.Sumathi, "An Image Denoising Selective Wavelet Transform Shrinkage Algorithm using Threshold Method ", International Journal of Emerging Technology in Computer Science & Electronics ISSN: 0976-1353 Volume 9 Issue 1, July 2014.
5	M.Sumathi, "A New Authentication Mechanism For NPV In Mobile Ad hoc Networks", International Journal of Innovations in Scientific and Engineering Research (IJISER) ISSN: 2347- 971 X (
6	M.Sumathi, "Distributed System invoke the Cloud Computing for Web Services using Caching ", International Journal of Communication and Media Science ISSN: 2349-641x Volume 2 Issue 1 –January to February-2015.
7	M.Sumathi, "The Efficiency of Route Based Packet Filtering for Sybil Attack Prevention in Test Bed Experiments ", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 9 Issue 1 –July 2014.

Mrs. S. Krishnaveni

S.No.	Publications
1	S. Krishnaveni, "Clustering Breast Cancer Dataset using self Organizing MAP Method ", International Journal of Advanced Studies in Computer Science Engineering ISSN No. 22787917

Mr. M. Namasivayam

S.No.	Publications
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1

M. Namasivayam,” Diagnostic Group Socio Behaviors Using Dim Extractions,” International Journal of Computer Science and Mobile Applications, ISSN: 2321-8363, Vol.2 Issue. 1 January-2014,pg.109-114.

DEPARTMENT OF CHEMISTRY

Research publications

2015

1. Ruthenium(II) complexes containing phosphine-functionalized thiosemicarbazone ligand: Synthesis, structures and catalytic C-N bond formation reactions via N-alkylation
R. Ramachandran, G. Prakash, S. Selvamurugan, P. Viswanathamurthi, J. G. Malecki, W. Linert, A. Gusev. RSC Adv., 2015, 5, 11405–11422 [RSC, I.F: 3.708]
2. Ruthenium(II) bis(hydrazone) complexes derived from 1,3,4-oxadiazoles: Synthesis, crystal structure and catalytic application in N-alkylation reactions G. Prakash, **R. Ramachandran**, M. Nirmala, P. Viswanathamurthi, J. Sanmartin Inorg. Chim. Acta 2015, 427, 203-210 [Elsevier, I.F: 2.041]
3. Heteroleptic binuclear copper(I) complexes bearing bis(salicylidene) hydrazine ligands: Synthesis, crystal structure and application in catalytic N-alkylation of amines
G. Prakash, M. Nirmala, **R. Ramachandran**, P. Viswanathamurthi, J. G. Malecki, J. Sanmartin, Polyhedron 2015, 89, 62-69 [Elsevier, I.F: 2.047]
4. Ruthenium(II) carbonyl complexes designed with arsine and PNO/PNS ligands as catalysts for N-alkylation of amines via hydrogen autotransfer process **R. Ramachandran**, G. Prakash, M. Nirmala, P. Viswanathamurthi, J. G. Malecki, J. Organomet. Chem. 2015, 791, 130-140 [Elsevier, I.F: 2.302]
5. Nickel(II) complex incorporating methylene bridged tetradentate dicarbene ligand as an efficient catalyst towards C-C and C-N bond formation reactions
M. Nirmala, G. Prakash, **R. Ramachandran**, P. Viswanathamurthi, J. G. Malecki, W. Linert, J. Mol. Catal. A: Chem. 2015, 397, 56–67 [Elsevier, I.F: 3.679] 2014
6. Efficient and versatile catalysis of N-alkylation of heterocyclic amines with alcohols and one-pot synthesis of 2-aryl substituted benzazoles with newly designed ruthenium(II) complexes of PNS thiosemicarbazones
R. Ramachandran, G. Prakash, S. Selvamurugan, P. Viswanathamurthi, J. G. Malecki, V. Ramkumar. Dalton Trans., 2014, 43, 7889–7902 [RSC, I.F: 4.097]
7. Catalytic role of ruthenium(III) complexes bearing cystamine-based disulfide ligands on the N-alkylation of o-substituted anilines
G. Prakash, **R. Ramachandran**, M. Nirmala, P. Viswanathamurthi, W. Linert Monatsh Chem (2014) 145, 1903–1912 [Springer, I.F: 1.63]
8. **Anand.B**, Chitra. S, Vaidyanathan. R, Balasubramanian .V, “A Review on Microbial Mediated Corrosion on Mild Steel by Inactivating the Extracellular Polysaccharide Secreted by Aerobic/Anaerobic Microorganism”, *Che Sci Rev Lett* 2014, 2(6), 423-429.

9. **Anand.B**, Chitra. S, Vaidiyanathan. R, Balasubramanian .V, “Corrosion Control on Mild Steel in Sulphuric Acid Medium Using Formazan Derivative as Inhibitor”, *Int.Jol.Ad.Sci.and Engineering*. 2014, 1, 20-23.
10. **Anand.B**, Muhamed haneefa.M, Jayandran.M, Balasubramanian.V, Muthu mariappan.S, “Synthesis and characterization of bioactive Curcumin derived from selected turmeric plants in India” ,*Int.Jol. of Natural Products Research* ,2014, 4(3): 82-87. **Jayandran.M**, Muhamed haneefa.M, Anand.B, Balasubramanian.V, Muthu mariappan.S, “Synthesis and characterization of bioactive Curcumin derived from selected turmeric plants in India” ,*Int.Jol. of Natural Products Research* ,2014, 4(3): 82-87.
11. **Jayandran.M**, “Cyclic Voltammetric and Ultrasonic Technique on disodium 4-Amino-3-[(E)-2-(4-{4-[(E)-2-(1-Amino-4-Sulfonatophthalen-2-Yl) Diazen-1-Yl] Phenyl} Phenyl) Diazen-1-Yl Naphthalene-1- Sulfonate dyes with Cu (II) ,Ni(II),Zn(II) and Pb(II) complexes” ,*Int.Jol. of British* ,2014, 1,44-52.
12. K. M. Govindaraju ,A.S. Singha ,R.K. Jarial , “ Electrochemical and surface investigation of poly ((N-methacryloyloxymethyl) benzotriazole-co-phenoxyethyl methacrylate) coatings” *Int.Jol.Ad.Sci.and Engineering*. 2014, 1, 6-14. **2013**
13. Ruthenium(II) carbonyl complexes containing pyridine carboxamide ligands and PPh₃/AsPh₃/Py coligands: Synthesis, spectral characterization, catalytic and antioxidant studies **R. Ramachandran**, P. Viswanathamurthi *Spectrochim. Acta A*. 2013, 103, 53–61 [Elsevier, I.F: 2.129]
14. Ruthenium(II) carbonyl complexes containing S-methylisothiosemicarbazone based tetradentate ligand: Synthesis, characterization and biological applications S. Selvamurugan, **R. Ramachandran**, P. Viswanathamurthi *Biometals* (2013) 26, 741–753 [Springer, I.F: 3.284]
15. **Anand.B**, Jayandran.M and Balasubramanian.V, “Corrosion Efficiency in Controlling Mild Steel in Sulphuric Acid Medium Using Formazan Derivative as Inhibitor”, *Journal of Corrosion Science and Engineering*, 2013, pp 1-16.
16. **Anand.B**, “Effect Formazan of Benzaldehyde as corrosion Inhibitor on preventing the mild steel corrosion in acidic medium”, *Chemical Science transaction*, 2013, 2(4), pp 1126-1135 | DOI:10.7598/cst2013.485.
17. **Anand.B**, “Corrosion Inhibition of Low-Carbon Steel in One M HCL and H₂SO₄ Media by New Formazan Derivatives” ,*Transactions on Engineering and Sciences*, 2013, pp 20-31. **2012**
18. Jayandran.M, **Anand.B** and Balasubramanian.V, “Electrochemical studies of Marine Dyes with some Cu (ii), Ni (ii), Zn(ii) and Pb (ii) metal complexes of 4-amino-3, 6-bis [[4-[[4-chloro-6-[(3-Sulfophenyl)Amino]-1,3,5-Triazin-2-yl]Amino]-2-sulfophenyl] Azo -5-hydroxy-2, 7-Naphthalenedisulfonic acid hexasodium compound”, *Elixir Corrosion Journal* , **46** (2012) 8268-8272.
19. **Jayandran M.**, and Balasubramanian V., Crystal growth and spectroscopic studies of marine dye NLO material: 4- amino-3,6-bis[[4-[[4-chloro-6-[(3-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-2,7-naphthalenedisulfonic acid hexasodium salt (reactive green -19) crystals, *Asian Journal of Chemistry*.,**24(5)**(2012) 2931-2935.

20. **Jayandran M.** and Balasubramanian V., "Synthesis, Growth and Spectroscopic Studies of Marine Dye NLO Material: Disodium 2-(1,3-Dioxindene-2-Yl)Quinoline-6,8- Disulfonate (Quinoline Yellow) Crystals", *International Journal of Applied Chemistry*, **4(1)** (2012) 1-8.
21. **Jayandran M.**, and Balasubramanian V., "Synthesis, Growth And Spectroscopic Studies Of Marine Dye NLO Material: Disodium 4-Amino-3-[(E)-2-(4-{4-[(E)-2-(1-Amino-4-Sulfonatophthalen-2-Yl) Diazen-1-Yl] Phenyl} Phenyl) Diazen-1-Yl Naphthalene-1-Sulfonate]", *International Journal of Applied Chemistry*, **4(2)** (2012)103-110.
22. **Jayandran .M**, Anand .B and Balasubramanian.V "Electrochemical Studies Of Marine Dyes With Some Cu (Ii), Ni (Ii), Zn(Ii) And Pb (Ii) Metal Complexes Of 4-Amino-3, 6-Bis[4-[[4-Chloro-6-[(3-Sulfophenyl)Amino]-1,3,5-Triazin-2-Yl]Amino]-2-Sulfophenyl Azo -5-Hydroxy-2,7-Naphthalenedisulfonic Acid Hexasodium Compound ",*Elixir Ultrasonics*,**46**(2012)8268-8272.**2011**
23. **Anand.B** and Balasubramanian.V, "Corrosion Behaviour of Mild Steel in Acidic Medium in Presence of Aqueous Extract of Allamanda Blanchetii A", *E- Journal of Chemistry*, **8(1)** (2011) 226-230.
24. **Anand.B** and Balasubramanian.V, "Study of Formazan Derivative Inhibitor Used to Prevent the Mild Steel Material Used in the Construction of Ship Material", *Asian Journal of Chemistry*, **23(5)** (2011) 2106-2108
25. **Anand.B** and Balasubramanian.V, "Investigation of Formazan of benzaldehyde compound as corrosion inhibitor for Preventing Mild Steel Material in Acidic Medium", *Asian Journal of Chemistry*, **23(10)** (2011) 4454-4456.
26. **Anand.B** and Balasubramanian.V, "Comparative Study on Mild Steel Corrosion using Formazan of p-dimethyl amino benzaldehyde compound as Corrosion inhibitor in acid medium", *International Journal of Advanced Materials Science*, **1** (2011) 1-7.
27. **Anand.B** and Balasubramanian.V, "Study on corrosion inhibition of mild steel using natural product as corrosion inhibitor in acidic medium", *Elixir Corrosion Journal* ,**37**(2011) 3832-3835.
28. **Anand.B** and Balasubramanian.V, "The effect of organic based inhibitor on inhibiting the mild steel corrosion in Citric acid medium", *Elixir Corrosion Journal*, **40** (2011) 5368-5371.
29. **K.M. Govindaraju**, D. Gopi, K. Anverbasa, "Synthesis, characterization and lectrochemical evaluation of anti-corrosive performance of poly((N-methacryloyloxymethyl) benzotriazole-co-N-vinylpyrrolidone) coatings" *Journal of Applied Electrochemistry*, (2013) Accepted (DOI: 10.1007/s10800-013-0586-6). Springer publisher.
30. K. Anver Basha, **K.M. Govindaraju**, S. Mohammed Safi ullah, D. Thirumoolan, D. Gopi, Tapan Kanai and A.B. Samui, Synthesis, characterization and corrosion protection properties of polyN-(p-bromophenyl)-2-methacrylamide-co-glycidylmethacrylate on low nickel stainless steel, *J. Polymer Engineering* 31 (2011) 199-204.
31. D. Gopi, **K.M. Govindaraju**, L. Kavitha and K. Anver Basha, Synthesis, characterization and corrosion protection properties of poly(N-vinyl carbazole-co-glycidyl methacrylate) coatings on low nickel stainless steel, *Progress in Organic Coatings*, 71 (2011) 11–18,Elsevier publisher.
32. **Jayandran M.**, and Balasubramanian V., "Growth and characterization of new organic marine dye NLO material: 6-amino-8a-methoxy-5-methyl-4,7-dioxo-1,1a, 2,4,7,8,8a,8b-octahydroazireno[2',3':3,4] pyrrolo [1,2-a] Indol- 8-yl] methyl carbamate", *E-Journal of chemistry*,**8(4)** (2011) 1797- 1067.

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33. **Jayandran M.**, and Balasubramanian V., “Growth and characterization of a new organic marine dye NLO material: 7-bromo-6-chloro-3-[3-[(2r, 3s)-3-hydroxy-2-piperidyl]-2-oxopropyl]-4(3h)-Quinazolinone”, *E-Journal of chemistry*.,**8(3)**, (2011) 1062- 1067.
34. Anand.B **Jayandran.M.**, and Balasubramanian.V, “Study of Formazan Derivative Inhibitor Used to Prevent the Mild Steel Material Used in the Construction of Ship Material”, *Asian Journal of Chemistry*.,**23(5)** (2011) 2106-2108. **Impact Factor: 0.34**

DEPARTMENT OF COMMERCE RESEARCH PUBLICATIONS

Staff Name	S. No	Topic	Journal Name	National/ International	Month & Year
Dr.K.Selvaraj	1	A comparative study on housing loan borrowers of public and private sector banks in salem district	Facts of Commerce	National	March 2010
	2	A Study on customers satisfaction about mobile phone in salem district	Global innovative practice in business	National	March 2011
	3	A Study on E-Banking Services in the PSU Banks in Salem	Third Concept	International	Feb-Mar 2012
	4	A Customer Satisfaction about Housing Loan Provided by Banks in Salem District	Third Concept	International	Mar - April 2012
	5	A Study on investors attitude about shares with special reference to salem district	Looming opportunities & Threats - 2013	National	September 2013
	6	A Study on Brand Preference about Women Two Wheeler in Salem Town	Third Concept	International	Oct-Nov 2014
	7	A Study on emerging scenario in HRM of Corporate Sector in India	VEI journal of Social Sciences	International	Feb 2015

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Dr.V.Aravamudhan	1	G-Tailing in the Global Perspective	Journal of commerce and management Research	International	Nov-2011
	2	Mounting Non Performing Assets	Samiksha	International	Dec-2013
	3	Customer satisfaction and customer Retention on LVB At Tiruchencode Town	Journal of management and social science	International	Oct-2014
	4	Impact of Recent Developments in Indian insurance sector	Paripex indian journal of Research	International	Dec-2014
	5	Bank customers and managers opinion about relationship marketing and customer retention in SBI and ICICI Bank	Journal of Research and management	International	Jan-2015
Dr.J.Josephine Daisy	1	Sustainable management of the Stanley reservoir fishery	VEI journal of Social Sciences	International	Feb 2011
	2	Work Life Balance	Mani Bharathi Publishers	National	2012
	3	A study on promotional strategies adopted by public and private sector banks in Salem city	Non Olympic Times Journal of management and science	International	2012
	4	Impact of Globalization on small scale industrial units	SAN	International	Sep-2012
	5	Factors influencing adoption of innovation by small scale fishermen in Mettur Dam	Kongu arts and science College	National	Sep-2013
	6	A study on use of communication activities in the development of small and medium brands with special reference to salem city –	Pg department of Commerce Periyar University College of Arts and Science – Mettur Dam.	National	2014
	7	Factors influencing adoption of innovations by	journal of scientific	International	Sep-2013

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		small scale fishermen in Mettur dam – E –Marketing – roads ahead of India	research and Management		
	8	Prospectus and Problems of marketing fish with special reference to Mettur Reservoir –	Journal of scientific research	International	Feb 2015
	9	A study on organized retailing and its challenges in retail consumer services– Retailing in India – trends and challenges	Discovery publishing House Pvt Ltd	International	2015
Mr.S.Jagadeesan	1	A Study on consumer Preference About Hero Honda Motor (with special reference to salem city)	VEI journal of Social	International	Feb-2015
	2	A Study on Global Business Growth of Indian Economy	Pg department of Commerce Periyar University College of Arts and Science – Mettur Dam.	National	Sep-2014
Mrs.B.Jayalakshmi	1	Innovative and new arrivals of Dairy products in 2020	Indo global journal of applied management studies	International	Jan 2014
	2	Marketing – dairy using milk ADS to build strong Brands	Indo global journal of commerce and economics	International	March 2015
	3	Customer relationship management	Indo Asian journal of advanced management	International	Jan-June 2013
	4	Future and prospectus of Indian diary Industries	Indo global journal of applied Management Science	International	July 2013
	5	Entrepreneurship and supporting institutions	Journal of management and science	International	Aug 2013

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	6	Role of FDI in Indian Tourism and its impact	Indo global journal of applied Engg.,	International	Sept 2013
	7	A study on principles and performance of dairy products marketing promotion in India with special reference to Tamil Nadu state	Paripex – Indian Journal of Research	International	Oct 2014
Mr.K. Kumaran	1	Fundamental analysis of different service quality model in mobile service with special reference to India	Indian journal of research	National	Jan 2015
	2	Mobile service quality effect on customer satisfaction and Business performance in salem district	Global journal for research analysis	International	Jan 2015
Mr.C. Govindan	1	Child Labour Practices in Scheduled Castes: Issues and Challenges.	Child Exploitation	National	2012
	2	School Dropout: A Social Curse for the Development of Society	Contemporary Social Problems in India	National	2013
	3	Awareness of Child Care Among Rural Pregnant Women at Salem District	Transition in Rural Livelihood	National	2015
Mr.N. Srinivasan	1	Overcoming Barriers to Business Communication	Modern Trends in Business Communication	National	2013
	2	Self Help Groups of Financial Intermediaries in India	Building Management Model for Sustaining Growth – Challenges and Opportunities	International	2013
Dr. Geeta Kesavaraj	1	Time Management of Employees in Services Industries with Special Reference to Chennai City	International Journal of Global Management' (IJGM	International	February 2012

Mahendra Arts & Science College (Autonomous)

	2	A study on 3G & USB Modem Internet Services Users in Chennai	International Journal for Research in Computer Application and Management	International	September 2011,
	3	A study on the customer retention strategies of Mobile Phone Providers in Chennai	Proceedings at the Tenth AIMS International Conference on Management	International	January 2013
	4	E-CRM practices followed in various sectors - Banking, Hotel and Tourism	Research Explorer -a referred Bi Annual International Research Journal on Multidisciplinary	International	February 2013
	5	A Study on the Effectiveness of Campus Recruitment and Selection Process in IT Industries	Springer Journal	International	December 2012
	6	A study on effectiveness of Customer Relationship Management of Telecom Services in Chennai	Intercontinental Journal of Marketing Research Review	International	December 2012
	7	A study on Catchment Analysis around the Retail Shops - A Special reference to Chennai	Sankhya. International Journal of Management and	International	June 2013

Mahendra Arts & Science College (Autonomous)

			Technology		
	8	A study on Effectiveness of Performance Management System in Select IT Organization in Chennai	International Journal of Business, Management and Social Sciences	International	July 2013
	9	A study on Merchandising Management of Britannia Biscuits with special reference to Chennai	International Journal of Business, Management and Social Sciences	International	July 2013
	10	A study on Customer Relationship Management of Call Taxi Organizations in Chennai	Asia Pacific Journal of Research	International	August 2013
	11	A study on Customer Perception towards various types of Mutual Funds in Chennai	Asia Pacific Journal of Research	International	October 2013
	12	Catchment Analysis and Marketing Promos around the Retail Outlets - A Competitive Analysis	International Journal of Marketing, Financial Services and Management Research, (IJMFSMR)(O)	International	Oct-Dec 2013
	13	A Study on Customer Satisfaction of Mutual Funds offered by various companies in Chennai	International Journal of Multidisciplinary Research	International	December 2013

Mahendra Arts & Science College (Autonomous)

	14	Catchment Analysis and Marketing Promos around the Retail Outlets - A Competitive Analysis	International Journal of Marketing, Financial Services and Management Research, (IJMFSMR)(P)	International	December 2013
	15	A Study on Customer Satisfaction of Mutual Funds offered by various companies in Chennai	International Journal of Multidisciplinary Research	International	Jan 2014
	16	A Study on Customer Relationship Management with reference to Kodak Mahindra Bank	Intercontinental Journal of Marketing Research Review(O)	International	December 2013
	17	A Study on Customer Relationship Management with reference to Kodak Mahindra Bank	Intercontinental Journal of Marketing Research Review(P)	International	February 2015
Dr.P.Kalaiselvi	1	A study on E Banking Service in the PSU Bank, Salem	Third Concept	International	2012
	2	Customer satisfaction about housing loan provided by the bank in salem district.	Third Concept	International	2012
	3	A Study on Brand Preference about Women Two Wheeler in Salem Town	Third Concept	International	2013
	4	A Study on emerging scenario in HRM of Corporate Sector in India	VEI – International journal of Social Sciences	International	Feb-2015
	5	Economic Growth in	Pg department of Commerce	National	Sep-2014

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		Agriculture	Periyar University College of Arts and Science – Mettur Dam.		
Dr.S.Dhanalakshmi	1	Effectiveness of Web Advertisement with special reference to Jobsites	The International Journal's- Research Journal of Social Science & Management.	International	October-2012
	2	A Descriptive Study on Catchments area analysis and Customer Satisfaction towards Biz bazaar with special reference to vadapalani Branch, Chennai	International Journal of Resarch in Commerce & Management,	International	September-2012
Dr.N.Suganthi	1	The Vehicle Insurance Holders Attention towards the Marketing Strategies of Insurance Company: A Case Study of Salem City.	Al-Barkaat Journal of Finance & Management	International	2009
	2	A New Paradigm In Designing An Ad – An Application Of Real-Time Data Warehousing & Data Mining In Preparing An Ad Copy.	Int. Journal for Research in computer Application & Management	International	2010
	3	“Need of Revitalizing Energy Drinks with the Power of Advertising”-The study of advertising Strategy towards Energy Drink among the general public of Salem City.	Al-Barkaat Journal of Finance & Management	International	2010
	4	The power of Promotional Competence” A Study on Promotional Strategies	Journal of Social Science	International	2011

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		towards Sensor Shoppers: A case of Salem City.			
	5	A Personalized Advertising Model: A Dimension Of Subscriber's Usability On Their Different Types.	A. D Sciences	International	2013
Mr.C.Sasikumar	1	A study on market development of aavin diary products(With Special Reference to Salem District Co-operative Society)	“IAJAM – INDO ASIAN JOURNAL OF ADVANCED MANAGEMENT	International	2015

DEPARTMENT OF ENGLISH

S.No.	Staff Name	Name of the Book	ISBN No.	Publishers	Year
1.	Dr.A.Ganesan	Mellennium Prose	-	-	-
2.		Short Story Collection	-	-	-
3.		Social Service by Mulk Raj Anand and Rajan Krishnan	-	-	-
4.	N.Ramesh	The love theme in Shakespeare's Midsummer Nights' Dream	9789350011379	Mercury Publisher, Perambalur	2008
5.		Evergreen tragedies of Shakespeare	9789350011232	Mercury Publisher, Perambalur	2008
6.		Eugene O'neils Mourning becomes Electra as a tragedy	978935001102	Mercury Publisher, Perambalur	2008

Mahendra Arts & Science College (Autonomous)

S.No	Publications
<u>Dr. M. Parthibavarman</u>	
1	14th ISTE State Level Convention on 29th & 30th December 2011 as Committee Member at Mahendra Engineering College, Mallasamudram – 637 503, Namakkal District.
2	Science Exhibition for School, Polytechnic & College Students “Creating a New World with Science and Technology” on 5th, 6th & 7th January 2012 as Committee Member at Mahendra Engineering College, Mallasamudram – 637 503, Namakkal District.
3	Tamil Nadu State Council for Science & Technology sponsored Orientation programme for School Science Teachers in Namakkal, Salem, Dharmapuri & Krishnagiri Districts on Effective and Innovative Teaching as Committee Member on 21st and 22nd June 2012 at Mahendra Engineering College, Mallasamudram – 637 503, Namakkal District.
4	High Sensitivity Humidity Sensor Based on SnO ₂ Nanoparticles Synthesized by Microwave Irradiation Method. M. Parthibavarman, V. Hariharan, C. Sekar. Materials Science and Engineering C, Vol. 31, (2011), pp. 840-844.
5	Effect of copper on structural, optical and electrochemical properties of SnO ₂ nanoparticles. M. Parthibavarman, V. Hariharan, C. Sekar, V.N. Singh. Journal of Optoelectronics and Advanced Materials, Vol. 10, (2010), pp. 1894-1898.
6	Synthesis of Tungsten Oxide (W ₁₈ O ₄₉) Nanosheets utilizing EDTA salt by Microwave Irradiation Method. V Hariharan, M Parthibavarman, C Sekar. Journal of Alloys and Compounds, Vol. 509, (2011), pp. 4788-4792.
7	Synthesis of polyethylene glycol (PEG) assisted tungsten oxide (WO ₃) nanoparticles for L-dopa bio-sensing applications. V. Hariharan, S. Radhakrishnan, M. Parthibavarman, C. Sekar, R. Dhilipkumar. Talanta, Vol. 85, (2011), pp. 2166-2174.
8	Microwave-assisted synthesis and investigation of SnO ₂ nanoparticles. T. Krishnakumar, R. Jayaprakash, M. Parthibavarman, A.R. Phani, V.N. Singh, Materials Letters, Vol. 63, (2009), pp.896-898.

Dr. Vincent Aroulmoji

S. No	Publications	Year
1	Diffusion-ordered NMR spectroscopy in the structural characterization of functionalized carbon nanotubes R Marega, V Aroulmoji, F Dinon, L Vaccari, S Giordani, A Bianco, ...Journal of the American Chemical Society 131 (25), 9086-9093	2009
2	Synthesis of 6-amino-6-deoxyhyaluronan as an intermediate for conjugation with carboxylate-containing compounds: application to hyaluronan–	2009

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	camptothecin conjugates S Norbedo, F Dinon, M Bergamin, S Bosi, V Aroulmoji, R Khan, E Murano Carbohydrate research 344 (1), 98-104	
3	Molecular structure, vibrational spectra and DFT molecular orbital calculations (TD-DFT and NMR) of the antiproliferative drug Methotrexate S Ayyappan, N Sundaraganesan, V Aroulmoji, E Murano, S Sebastian Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 77 (1)	2010
4	Two-dimensional diffusion-ordered NMR spectroscopy as a tool for monitoring functionalized carbon nanotube purification and composition R Marega, V Aroulmoji, M Bergamin, L Feruglio, F Dinon, A Bianco, ... Acs Nano 4 (4), 2051-2058	2010
5	Experimental and theoretical investigation of the molecular and electronic structure of anticancer drug camptothecin N Subramanian, N Sundaraganesan, S Sudha, V Aroulmoji, ... Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 78 (3)	2011
6	Hydration properties and proton exchange in aqueous sugar solutions studied by time domain nuclear magnetic resonance V Aroulmoji, M Mathlouthi, L Feruglio, E Murano, M Grassi Food Chemistry 132 (4), 1644-1650	2012
7	Spectral and morphological studies of nanocrystalline silicon thin films synthesized by PECVD for solar cells PM Anbarasan, P Senthilkumar, S Manimegalai, M Geetha, K Vasudevan, ... Silicon 2 (1), 7-17	2010
8	Hydration and self-association of caffeine molecules in aqueous solution: Comparative effects of sucrose and β -cyclodextrin M Mejri, A BenSouissi, V Aroulmoji, B Rogé Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 73 (1), 6-10	2009
9	Synthesis of 6-O-methotrexylhyaluronan as a drug delivery system C Sorbi, M Bergamin, S Bosi, F Dinon, V Aroulmoji, R Khan, E Murano, ... Carbohydrate Research 344 (1), 91-97	2009
10	Geometries, electronic structures and vibrational spectral studies of 4-aminophthalonitrile using quantum chemical calculations for dye sensitized solar cells PM Anbarasan, PS Kumar, K Vasudevan, R Govindan, V Aroulmoji Indian Journal of Physics 85 (10), 1477-1494	2011
11	Synthesis and characterization of novel cardanol based benzoxazines. A Minigher, E Benedetti, O De Giacomo, P Campaner, V Aroulmoji Natural product communications 4 (4), 521-528	2009
12	Effect of sucrose on the properties of caffeine adsorption layers at the air/solution interface V Aroulmoji, V Aguié-Béghin, M Mathlouthi, R Douillard Journal of colloid and interface science 276 (2), 269-276	2004
13	Proton magnetic resonance relaxation studies in aqueous solutions of alkali halides and fructose AS Rao, A Sundaramoorthy, V Arulmozhi Journal of molecular liquids 45 (3), 231-236	1990
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Dr.K.Vallalperuman

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2	Microwave synthesis, characterization and humidity sensing properties of Zn ₂ SnO ₄ .	M.Parthibavarman K.Vallalperuman, R. Rajarajan	Vacuum, Elsevier (Volume 86, 2012, Pages 1488–1493	International (Impact factor : 1. 3)
3	Ball milling effect on structural and magnetic properties of Ni–Mn–Ga ferromagnetic nanoparticles.	K.Vallal Peruman, M. Mahendran,	American Physical Society (IUPAC) Pure & Applied Chemistry, year 2011doi:10.1351/PAC-CON-11-04-04	International (Impact Factor: 2.75)
4	Structural and Martensitic Transformation of Bulk, Disordered and Nanocrystalline Ni ₂ MnGa Alloys.	K.Vallal Peruman, S. Vinothkumar, K. Pushpanathan M. Mahendran	World Scientific Publications Functional Materials Letters, vol. 4. year 2011, 1-4.	International (Impact Factor: 2.6)
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11	Ferromagnetic Shape Memory Alloys and their polymer composites.	M.Mahendran K.Vallal Peruman R.Chokkalingam R.Senthur Pandi S.Seenithurai	Magnetics Soc. of India MSI Bulletin Vol. 32, pp.25-30 year. 2009	National
12	Mechanical milling and annealing on structural transition in Ni-Mn-Ga ferromagnetic nanoparticles.	K.Vallal Peruman R.Chokkalingam R.Senthur Pandi S.Seenithurai M.Mahendran	Magnetics Soc. of India MSI Bulletin Vol. 34 pp.31-38 year. 2010	National
13	Acoustic attenuation in FSMA polymer composites.	M.Mahendran R. Senthur Pandi R.Chokkalingam R.Kodi Pandyan, K.Vallal Peruman S.Seenithurai,	IEEE Proceedings: pp. 8- 11 10.1109/ICMENS.2009.6 6 ISBN: 978-0-7695- 3938-6 year. 2010	International
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16	Shape Memory Effect in Ferromagnetic Ni-Mn-Ga Nanopowder.	K.Vallal Peruman, R.Chokkalingam R.Senthur Pandi, S.Seenithurai. S.Vinoth Kumar M.Mahendran	Macmillan Publishers: Proceedings of the Nanostructured Materials for Electronics, Energy and Environmental Applications, pp. 213-218 ISBN:10:0230-33200-5 year. 2010	International
17	Magnetomechanical properties of Ni-Mn-Ga polymer composites.	R.Chokkalingam R.Senthur Pandi, K.Vallal Peruman M.Mahendran	Proceedings of the National Conference on Smart Materials (ISSS), Central Glass and Ceramic Research Institute, Kolkata, pp. 16- 19 year. 2009	National
18	Temperature Dependence of Twin Boundary Motion in Ferromagnetic Shape Memory Alloy Ni-Mn-Ga Single Crystal.	K.Vallal Peruman, R.Chokkalingam R.Senthur Pandi S.Seenithurai M.Mahendran	Proceedings of the National Symposium on Growth of Detector-Grade Single Crystals- BARC, Mumbai pp.106-107 ISBN: 978-81-8372-053- 6 year. 2009	National
19	Magnetic behaviour of Ni-Mn-Ga/PU polymer composites.	R.Senthur Pandi K.Vallal Peruman, R.Chokkalingam S.Seenithurai. S.Vinoth Kumar M.Mahendran	Proceedings of the National Conference on Recent Trends in Advanced Energy Materials, Alagappa	National

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			University pp.29-31 ISBN: 978-93-80697-40-6 Year. 2010	
20	Size dependent structural and magnetic properties in the nanostructured Ni-Mn-Ga FSMAs.	K. Vallalperuman, S.Parthibavaraman M. Mahendran	Submitted to the Nanoscience Letter, IOP	International (Impact Factor 3.2)
21	Study of Magnetic and Structural Properties of Mn Doped NiO Diluted Magnetic Semiconductor.	K. Vallalperuma, M. Mahendran	Submitted to the American Journal of Materials Science	International

3.4.4 Indicate the average number of successful MPhil. and Ph.D.scholars guided per faculty.

Since the Research centers have been recognized in, enrolling the students for Ph.D programme is under process.

Department	Total
M.Phil. Guided	
Tamil	31
Physics	10
Chemistry	10
Biotechnology	26
Computer Science & Applications	15
Commerce	19
Total	111
Ph.D. Guided	
Commerce	01
Total	01

3.4.5 What is the stated policy of the college to check malpractices and misconduct in research?

Research committee of the college monitors research activities and creates awareness among research scholars on ethics and best practices in research.

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3.4.6 Does the college promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavor.

Yes. The Biotechnology and Physics departments have worked in an inter-disciplinary manner for developing Nanotechnology and Thin-film technology for Solar cell development. In this regard, a proposal also submitted to funding agencies to generate funds.

3.4.7 Mention the research awards instituted by the college.

College has initiated the best practice of felicitating the successful researchers during college day.

3.4.8 Provide details of research awards received by the faculty, recognition received by the faculty from reputed professional bodies and agencies

Dr. A. Jayakumar from Department of Tamil has received Young Scientist award from President of India for his outstanding work for Tamil Literature.

3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

Faculty members are provided with the academic and administrative support along with the needy infrastructure to undertake research. They are honored by the president of the institution during the annual day celebrations.

3.5 Consultancy

3.5.1 What is the stated policy of the college for structured consultancy? List a few important consultancy services undertaken by the college.

- Our groups of institutions have already entered in agreement with near by industry for establishing institute partnership.
- Our college has already entered into a MoU with Mahendra Next Wealth (MNW), Mahima Technologies, Maha Ajay Spinners and GA Technologies for rendering consultancy services for their identified problems by the research scholars of our Mahendra Arts & Science College.

The college pursues the policy of encouraging faculty members to provide consultancy in such a manner that it does not affect their academic work using the facilities available in the college.

The faculty members of the college are providing consultancy on honorary basis on aspects such as:

- Education (establishment of institutions, setting up of labs, curriculum design and development)
- Research and development
- Personal tax planning
- Academic event management
- Agriculture
- Human resource management
- Crime detection
- Radio talk, etc.

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3.5.2 Does the college have college-industry cell? If yes, what is its scope and range of activities?

Yes. The college has College-Industry Cell to achieve skill integrated education and placement. The cell invites technocrats to provide industry related skill education. Further it facilitates establishing linkages with industries.

3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.

Expertise of the college regarding consultancy is made known in conferences, workshops, seminars, exhibitions conducted by the college and other institutions.

3.5.4 How does the college encourage the faculty to utilize the expertise for consultancy services?

As a part of institutional social responsibility the college encourages the staff desirous of extending consultancy services. Most of the faculty members attend various academic programmes as resource persons.

1. For communication skill development programme to Mahendra Next Wealth (MNW), Mahima Technologies, Maha Ajay Spinners and GA Technologies.
2. For providing and for enhancing the knowledge on IT to the employees of the above institutions.
3. By providing technical expertise to M/s Suba Shri Bio Energies Pvt. Ltd. For arresting the carbon emission from the poultry litter.
4. For providing English coaching for IELTS / TOEFL to Success Point, Namakkal.
5. Advising the Mallasamuthiram Panchayat Union on the Fluoride content and TDS of the drinking water supplied by Water Board.

Important activities undertaken by the centre are

- Career counseling for the students
- Conducting aptitude tests
- Training the students in specified areas
- Organizing employment awareness programmes
- Providing training in HRD
- Organizing guest lectures on different career options
- Competitive exams

3.5.5 List the broad areas of consultancy services provided by the college and the revenue generated during the last four years.

- The institution and its staff have an agreement to share the revenue available through consultancy in the ratio of 75 and 25.
- The funds received through consultancy will be ploughed back to the development of the department.

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Major areas of consultancy are on counseling, conservation of monuments, deciphering of inscriptions, tax planning, astrology, communicative English, translation, agriculture, and soil quality. College offers free consultancy services on all the above areas.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the college sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

Newly recruited faculty members are given orientation by the officers of the management emphasis on the core values and ethos of the management and the college. In the orientation programme faculty are also sensitized about Institutional Social Responsibilities (ISR). Young faculty members are given the opportunity to serve in extension programmes together with the experienced and trained faculty members. Workshops held periodically help the individual to internalize the mission of the college which has the ISR component embedded in it.

This enhances their involvement in the extension programmes of the college. Faculty members are encouraged to attend workshops, seminars and conferences organised by universities and other organisations to become more professional in implementing the extension activities of the college.

The college strives to instil civic responsibility in the young minds of students through extension programmes and value-based course so that they develop into sensitized and socially responsible citizens.

The college offers extension programmes through:

- National Service Scheme (NSS)
- Youth Red Cross (YRC)
- Departmental Forums
- Department of Social Work
- Alumni Association

Following are the activities

- Social work camps (rural/tribal)
- Socioeconomic surveys
- Women empowerment programmes
- Medical Camps
- Awareness on adverse effects of alcoholism
- Rally to promote communal harmony
- Awareness on welfare provisions available for disadvantaged communities
- Street plays on social issues
- Blood donation camps
- Planting of saplings

Celebrations

- Observation of World Social Work Day (3rd Tuesday of March every year)
- International Year of Chemistry celebration with public as target group
- Celebration of International Year of Mathematics – Planet Earth 2013

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- Celebration of Science Day (February 28th of every year)

The annual NSS and Social Work camps enable students to experience rural and tribal life and understand existing social issues the community faces. The regular extension activities scheduled on specified days open new avenues for students to understand the challenges of society.

The college has submitted a proposal for the sanction of community FM radio station to Ministry of Information and Broadcasting, GoI. To justify the need for radio station a survey has been conducted by involving postgraduate students.

3.6.2 How does the college promote college-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

- Faculty members and students of the postgraduate departments of Social Work and Commerce are engaged in community development initiatives in association with two neighborhood NGOs.
- The college extends help to the inmates of the Leprosy patients' rehabilitation center located in the neighborhood.
- College collaborates with the local social service agencies numbering about 30, thereby promoting partnership and networking.
- The annual NSS camps/Social work camps are conducted in selected villages to create a healthy rapport between the college and the community.
- Our college has two units of National Service Scheme comprising 200 student volunteers. They were actively engaged to do community social service programmes as follows.
 - AIDS awareness programme
 - Population control
 - Blood donation
 - Eye donation
 - Tree plantation
 - Pulse-polio
 - Road safety rally
 - Fire safety awareness

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

The College has two units of NSS, two units of NCC and one unit each of Rover & Rangers, Youth Red Cross and Hobby Club. In general there is a overwhelming response by the students in participating in extension activities. These students are selected through a systematic selection procedure and are given attendance credit for participation in such activities.

Outstanding performers are recognized and motivated for further participation and achievements.

3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower the underprivileged and most vulnerable sections of society?

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Our institution has adopted a socially downtrodden, economically backward village and students are made to live with them for 10 days for acquiring the life skills of the village people.

In addition, following activities are also conducted.

- HIV /AIDS Awareness
- Women Empowerment
- Consultancy services to NGOs
- Observation of Commemorative days such as World Social Work Day, World Mental Health Day, World Environment Day etc.
- Relief Work during Natural Disasters

3.6.5 Give details of awards / recognition received by the college for extension activities/ community development work.

- We have received best NSS unit award from the Periyar University.
- Our YRC has received a Citation for mass Blood Donation.
- The RRC was awarded with a certificate for the exemplary services rendered by our students for the awareness campaign on AIDS, Dengu Fever, Road Safety and Fire Safety.

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

The involvement of the students in the college extension activities helps in the overall development of their personality. It moulds the character and makes them good citizens of the nation. As a result the students are mostly self-caring and concerned, disciplined, punctual, civic minded, socially responsible. They demonstrate high level of human relations and work culture. Most importantly they are seen with patriotism. While participating in these extension activities they develop leadership and team work skills, communication and soft skills, self confidence and event management skills. They develop individual identity, initiative, and capacity to manage the crisis. It has also enabled the institution to have a harmonious relationship with community.

3.6.7 How does the college ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the college which have encouraged community participation in its activities

The college ensures involvement of the community in all its outreach activities directly or indirectly. The following are noteworthy initiatives.

- NSS camps and social work camps elicit the active participation of community members.
- Community participation is also ensured through collaborative activities of the college with over 30 NGOs working in and around.

3.6.8 Does the college have a mechanism to track the student's involvement in various social movements / activities which promote citizenship roles?

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Yes. Track record about student's involvement in various social movements is maintained by Heads of Departments.

3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.

We have entered into understanding with Gandhi Ashramam (NGO) for implementation of various welfare measures to the public.

3.6.10 Give details of awards / recognition received by the college for extension activities/ community development work.

We have received best NSS unit award from the Periyar University. Our YRC has received a Citation for mass Blood Donation. The RRC was awarded with a certificate for the exemplary services rendered by our students for the awareness campaign on AIDS, Dengue Fever, Road Safety and Fire Safety.

3.7 Collobaration

3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?

- Collaboration with other institutions/research organisations, research activities has gained momentum in the college as justified by more number of presentations and publications by staff and even by students.
- Collaboration with NGOs has made it possible for the college to involve itself with a diverse range of extension activities.
- Collaborations have helped the college to take up interdisciplinary research activities.

3.7.2 Mention specific examples of how these linkages promote, Curriculum development, Internship, On-the-job training, Faculty exchange and development, Research, Publication Consultancy, Extension, Student placement, Any other, please specify

- The college-industry interaction results in the creation of opportunities to review and modify curriculum.
- Internship and on-the-job training enable the students to get pre placement offers.
- The independent and collaborative research promotes the publication of quality research articles in Peer reviewed and Impact factor Journals.
- The Placement Cell of our college has a close liaison with many leading recruiters and as a result the institution maintains a sustained incremental growth in student placement of about 250 during the academic year 2014-2015.

3.7.3 Does the college have MOUs nationally/internationally and with institutions of national importance/other universities/ industries/corporate houses etc? If yes explain how the MOUs have contributed in enhancing the quality and output of teaching learning research and development activities of the college

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Yes. Our college has been made MoUs with various research Institutes and corporate for the welfare of the students and faculties to establish high standard research and students placements.

- ICT - academy council of Tamil Nadu
- Mahima technologies, Salem
- Mahendra next wealth India p(ltd). Mahendrapuri
- GA technologies, Bangalore
- Maha ajay spinners, Salem.
- Vertis bio lab, Salem.
- Micro lab, Salem.
- Alga marine Pvt ltd. Chennai

These MoUs have helped the college in enhancing teaching-learning, research and development related activities through curriculum development, faculty sharing, facility sharing, internship, placement and organizing workshops/seminars/conferences.

3.7.4 Have the college industry interactions resulted in the establishment/creation of highly specialized laboratories/facilities?

- The Department of Biotechnology makes research and publication collaborations with Division of Biotechnology, Environmental Resources, Chonbuk National University, Iskan City, South Korea.
- An understanding between Western Connecticut State University for research and publications.
- Twinning programme through Annamalai University, Chidambaram – Tamil Nadu.
- Dual degree programme through Periyar University, Salem – Tamil Nadu.
- GA Software Technologies Pvt.Ltd, Bangalore, Mahima Technology Pvt.Ltd, Salem, Mahendra Next Wealth IT India Pvt.Ltd. Providing practical work, apprenticeship, on the job training, project work and employment
- Virtis Bio Labs, Salem-Providing technical training, Microbial culture collection and maintenance, Identification and Characterization of Proteins and employment.
- Star Micro labs-Salem Providing technical training, Microbial culture collection and maintenance and employment
- Alga Marine company Pvt. Ltd Chennai.-Training, Supply of algal biomass, algal germplasm maintenance and employment

Any additional information regarding Research, Consultancy and Extension, which the institution would like to include.

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NUCLEOTIDE SEQUENCES DEPOSITED IN GENE BANK-NCBI

honbuk National University, Iskon City, South Korea and Mahendra Arts & Science College jointly take up the research on sequencing of genome of bacteria and deposited to NCBI. This is considered one of the outstanding researches done by our Biotechnology department.

S.No	NCBI Accession Number	Title	Authors
1.	KC309425	Acinetobacter sp. TSK-MASC	Selvankumar,T. , Govarthanam,M., Selvam,K., Senthilkumar,B. Kamala-Kannan,S.
2.	KC688883	Staphylococcus sp. MG87	Govarthanam,M., Selvankumar,T. Kamala-Kannan,S.
3.	KC967223	Bacillus sp. MG-MASC-BT	Govarthanam,M., Selvankumar,T. , Rathika,R., Sengottaiyan,A. Kamala-Kannan,S.
4.	KC967223	Bacillus sp. MG-MASC-BT	Govarthanam,M., Selvankumar,T. , Rathika,R., Sengottaiyan,A. Kamala-Kannan,S.
5.	KC967225	Bacillus sp. TSK-MASC-BT	Selvankumar,T. , Sengottaiyan,A., Selvam,K., Rathika,R.,Govarthanam,M. Kamala-Kannan,S.
6.	KC978857	Acinetobacter sp. MCASBT01	Selvam,K., Senthilkumar,B., Govarthanam,M., Selvankumar,T. Kamala-Kannan,S.
7.	KC978858	Acinetobacter sp. MCASBT02	Selvam,K., Senthilkumar,B., Selvankumar,T. , Govarthanam,M. Kamala-Kannan,S.
8.	KC991137	Acinetobacter sp. MAHENDRA-BT	Selvankumar,T. , Rathika,R., Stalin,M., Ramakrishnan,R., Govarthanam,M. Kamala-Kannan,S.
9.	KC899845	Uncultured Klebsiella sp. Clone MASC-TSK	Selvankumar,T. , Govarthanam,M., Selvam,K. Kamala-Kannan,S.
10.	KC899846	Uncultured bacterium clone MASC-GOVA	Govarthanam,M., Selvankumar,T. , Sengottaiyan,A., Rathika,R.,Selvam,K. Kamala-Kannan,S.
11.	KJ438150	Bacillus sp. BT MASC 1	Praburaman,L., Govarthanam,M., Selvankumar,T. and Kamala-Kannan,S.
12.	KJ438151	Bacillus sp. BT MASC 2	Praburaman,L., Govarthanam,M., Selvankumar,T. and Kamala-Kannan,S.
13.	KJ447124	Bacillus sp. BT MASC 3	Selvankumar,T. , Sudhakar,C., Selvam,K., Govarthanam,M. and Kamala-Kannan,S
14.	KJ447120	Bacillus sp. MTK 1	Thirunavukkarasu,M., Selvankumar,T. ,

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			Govarathanan,M. and Kamala-Kannan,S.
15	KJ447121	Bacillus sp. MTK 2	Thirunavukkarasu,M., Selvankumar,T. , Govarathanan,M., Sengottaiyan,A., Praburaman,L. and Kamala-Kannan,S.
16	KF649832	Uncultured Klebsiella sp. clone TSK 2013	Selvankumar,T. , Govarathanan,M., Radhika,R., Sengottaiyan,A. and Kamala-Kannan,S.
17	KJ659757.1	Bacillus sp. LP1 16S ribosomal RNA gene	Praburaman,L., Govarathanan,M., Selvankumar,T. , Oh,B.-T. and Kamala-Kannan,S.
18	KJ659758.1	Bacillus sp. LP2 16S ribosomal RNA gene, partial sequence	Praburaman,L., Govarathanan,M., Selvankumar,T. , Oh,B.-T. and Kamala-Kannan,S.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

Physical facilities in educational institutions play a vital role in the effective transfer of services to all the stakeholders. The MASC has made all efforts to ensure adequate infrastructure facilities in the college. Careful planning and timely implementation of plans has bestowed state-of-the-art facilities on the campus.

4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization

The college epitomises a physical infrastructure ideal for academic excellence. It is the outcome of immaculate planning and systematic execution solely based on the vision and mission of the institution. Before introducing any course/programme comprehensive planning regarding the infrastructure requirement is made by the **infrastructure planning committee**. Proposal is prepared by the committee and submitted to the management for approval. Upon the approval the best possible infrastructure facility is made available by the management within the stipulated time. The optimal utilization of the physical infrastructure is always ensured by providing adequate information regarding these facilities to students, other institutions and the general public. Some such initiatives are:

- The science lab facilities are shared for interdisciplinary academic/training activities and project works
- Computer labs are used for online exams, staff appraisal, staff & student training programmes
- Optimising the classroom usage by preparing a weekly timetable and schedule
- Extension of the library timings and extending membership to external users.
- Extending sports facilities to various organisations and for students of other institutions, arranging coaching facilities to aspiring young sportsmen of the region

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- Extending laboratory facilities to teachers of local institutions, for the demonstration of experiments to neighbouring school children and for student research programmes.
- Providing seminar halls and class rooms to local organisations on holidays
- Services of career guidance cell extended to the needs of all local job aspirants
- Indoor hall/stadium facilities to external users through membership

Regular feedback regarding the infrastructure facilities are obtained from the stakeholders. Based on the feedback, further improvement measures are initiated to re ensure optimal utilisation of the physical facilities. Based on the feedback, to overcome the problem of power shut down in indoor sports complex a generator is installed and Gym timings is extended for usage by general public.

4.1.2 Does the college have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

The college envisions good teaching-learning ambience. The policy framework is governed by the following

- The requirements are to be in tune with the standard guidelines of regulatory bodies.
- It should be aesthetically attractive
- There should be adequate space
- Proper space for interaction is to be provided
- Safety criteria are to be fully met as per the regulations
- It should be eco friendly with least disturbance to nature
- Space for greenery to be adequately provided.
- Rest room facility to be as per the specification
- Requirement of disabled to be met
- Infrastructure to be optimally utilised by all stakeholders

The procedure for infrastructure development

- Submission of the proposal with details of the need, specifications, time of requirement and proposed budget to the management
- Discussion on the proposal by the management with head of the institution and the concerned departments.
- Approval of the proposal by the management in the annual budget meeting
- Implementation of the project by the management
- At the time of construction, the concerned departments are consulted to confirm adherence to the required specifications
- **A few recent initiatives are:**
- Establishment of a full-fledged Post graduate studies and research centre
- Construction of two new hostel blocks for boys and girls providing sufficient accommodation facilities with all modern amenities
- Setting up of a language learning booth
- Establishment of HR training centre and learning resource recording centre
- Setting up of a language learning booth

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4.1.3 Does the college provide all departments with facilities like officeroom, common room, and separate rest rooms for women students and staff?

Yes. All departments have separate staff rooms, secured storage cubicles, intercom, computer with internet facility and printer, Wi-Fi connectivity, ample space for student teacher interaction and clean drinking water facility. Common office facilities are established for providing secretarial assistance to all departments. Separate well furnished retiring rooms for women students and staff are also provided. Adequate rest rooms are provided for boys, girls and staff.

4.1.4 How does the college ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?

The institution is sensitive and considerate to the requirements of staff and students with disabilities and has provided most suitable learning environment to them.

- For students/staff with disabilities, depending on the nature of the disability most convenient mode is chosen to enable classroom participation, like for those with locomotory disability ground floor classrooms are allotted and wheel chair services are provided
- For visually challenged, during examinations separate rooms and scribes are provided
- Free accommodation and food also is provided
- In the new PG block ramps and lift facilities are established, enabling easy movement for the physically challenged.

4.1.5 How does the college cater to the residential requirements of students? Mention capacity of the hostels and occupancy (to be given separately for men and women) Recreational facilities in hostel/s like gymnasium, yoga center, etc. Broadband connectivity / Wi-fi facility in hostel/s.

- Hostel facilities are available for both Boys and Girls.
- Hygienic food is available in hostel / canteen.
- R.O Water is available.
- Recreational facilities like gymnasium, yoga centre are available in the hostel.

Computer facilities including access to internet in hostel

- Wi-Fi facilities are available in the hostel campus.

Facilities for medical emergencies

- Medical facility is available in the campus.

Internet and Wi-Fi facilities

- Available in the hostel.

Recreational facilities

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- Recreational facilities are arranged in hostel by providing carom, table tennis, chess and other materials to play. AV facility is also available in the common room. Indoor stadium is available at our sister institution.

Security

- Hostel is fully protected with security system.

4.1.6. What are the provisions made available to students and staff in terms of health care on the campus and off the campus:

- Two Separate Health rooms with first aid kits are kept ready on all days for the emergency use. Emergency team consisting of staff from various departments are available in the case of taking students to hospital. Vehicle facility is also available and a doctor on call facility is available to attend the emergency cases.

4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?

The college provides appropriate facilities for promotion of sports and cultural events. They include:

Sports facilities:

Outdoor:

- Basketball court of international standard
- Football ground
- Tennis court
- Badminton court
- Ball-badminton courts
- Hockey ground
- Athletics - track and field events
- Cricket ground
- Volleyball court
- Throwball court
- Kabaddi court
- Kho-kho court
- Handball court
- Softball court

Indoor:

- Multi-gym
- Table tennis
- Carrom
- Chess
- Weightlifting
- Wrestling

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4.2. LIBRARY AS A LEARNING RESOURCE

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

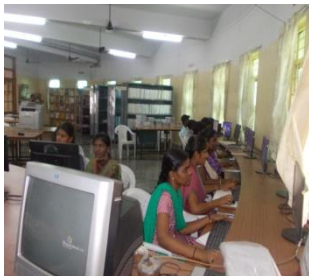
- Library has advisory Committee, which looks all matters of library.
- Library Advisory Committee has the following members.

Chairperson - Chairman

Convener - Principal

Members - Librarian and all the HODs

- The advisory committee has suggested computerizing the library for easy accessibility of the books and periodicals.
- Immediate steps have taken for enriching the library with e-content.
- Extended hours have been permitted for both faculty and students.



4.2.2 Provide details of the following: Total area of the library (in Sq.Mts.) Total seating capacity, Working hours (on working days, on holidays, before examination days, during examination days, during vacation), Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources), Access to the premises through prominent display of clearly laid out floorplan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)

Housed in a separate spacious and well designed building, the library has a huge collection of books, magazines, journals and all forms of digital contents catering to the needs of faculty, students, public and research scholars alike.

Library Layout is given as annexure.

Library 1

Total area of the Library, (4071 sq. Ft)

Given below are the approximate floor areas of the Library sections:

Reading Hall – 1	:	900 sq.ft.
Reading Hall – 2	:	900 sq.ft.
Periodical section	:	900 sq.ft.

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Stack Room : 1371 sq.ft.

Seating Capacity

Reading Hall – 1 : 50 nos.

Reading Hall – 2 : 50 nos.

Library 2

Centre for English : 1890 sq.ft

Centre for General Knowledge / Competitive exams: 2430 sq.ft

Seating capacity

Reading Hall-1 : 100 nos

Reading Hall-2 : 100 nos

Working hours

- On all working days (including before and during the examination days) Library will be opened between 8.45 am to 5.30 pm. On Saturday (if holiday) opened between 9.00 am to 4.00 pm.
- IT zone for accessing e-resources are available.



4.2.3 Give details on the library holdings total number a) Print (Books,back volumes and thesis) b) Non Print (Microfiche, AV) c) Electronic (ebooks,e-Journals) d) Special collection (e.g. Text book, Reference books,standards, patents)

Details about the Library Holdings

Give details on the library holdings

Total No.

a) Print		
Books	:	34,386
Back volumes	:	471
Thesis	:	1271
b) Non Print (Microfiche, AV)	:	
c) Electronic		
e-books	:	95,000
e-Journals	:	6,000

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d) Special collection	
Text book	:
Reference books	:
Standards	:
Patents	:

4.2.4 What tools does the library deploy to provide access to the collection?

- OPAC - available
- E-journals - available
- Federated searching tools to search articles in multiple database - available
- Library Website - No.
- In-house / remote access to e-publications - Yes
- Library Automation - Yes
- No. Of Computers for public access - 10
- Printers' facility - Yes
- Internet bandwidth / speed - 4 mbps
- Institutional Repository - Yes
- Content management system for e-learning - Yes
- Participation in Resource sharing networks / consortia - No.

a) Provide details on the following items:

- Average number of walk-ins – 105
- Average number of books issued / returned – 70 / 67
- Ratio of library books to students enrolled – 1:10
- Average no. Of books added during last three years – 750
- Average number of login to OPAC – 45
- Average number of login e-resources – 15
- Average number of e-resources downloaded / printed – 10
- Number of information literacy trainings organized – None
- Details of “weeding out” of books and other materials – None

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b) Give details of the specialized services provided by the library

▪ Manuscripts	–	None
▪ Reference	–	available
▪ Reprography	–	available
▪ ILL	–	None
▪ Download	–	available
▪ Printing	–	Yes
▪ Reading list / Bibliography compilation	–	available
▪ In-house / remote access to e-resource	–	Yes
▪ User orientation and awareness	–	Yes
▪ Assistance in searching Database	–	Yes
▪ INFLIBNET facilities	–	available

4.2.5 To what extent is the ICT deployed in the library? Library automation, Total number of computers for public access, Total numbers of printers for public access, Internet band width speed 2 mbps, 10 mbps, 1gb (GB), Institutional Repository, Content management system for e-learning, Participation in Resource sharing networks/consortia (like Inflibnet)

Extent of ICT use in the library are:

- * Library automation

Library is fully computerized and automated using Autolib software

* Total number of computers for public access	20
* Total numbers of printers for public access	01
* Internet band width speed	4mbps
* Institutional Repository	Yes
* Content management system for e-learning	Yes
* Participation in Resource sharing networks/consortia	Inflibnet and Delnet

4.2.6 Provide details (per month) with regard to Average number of walk-ins, Average number of books issued/returned, Ratio of library books to students enrolled, Average number of books added during last three years, Average number of login to OPAC, Average number of login to e-resources, Average number of e-resources downloaded/printed, Number of information literacy trainings organized.

* Average number of walk-ins	: 6200
* Average number of books issued/returned	: 1800
* Ratio of library books to students enrolled	: 1:11
* Average number of books added during last three years	: 4248

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- *Average number of login to OPAC : 600
- * Average number of login to e-resources : 20
- * Average number of e-resources downloaded/printed : 240
- * Number of information literacy trainings organized : 02

4.2.7 Give details of the specialized services provided by the library –manuscripts, reference, reprography, ILL (Inter Library Loan Service),information deployment and notification, OPAC, internet access,downloads, printouts, reading list/ bibliography compilation, Inhouse/remote access to e-resources, user orientation, assistance insearching databases, INFLIBNET/IUC facilities

- *Manuscripts : Available
- *Reference : Available
- *Reprography : Available
- * ILL (Inter Library Loan Service) : Available
- * Information Deployment and Notification
- * OPAC : Available
- *Internet Access: Available
- *Downloads : Available
- * Printouts : Available
- * Reading list/ Bibliography compilation : Available
- * In-house/remote access to e-resources : Available
- * User Orientation : Available
- *Assistance in searching Databases : Available
- *INFLIBNET/IUC facilities : Available

4.2.8 Provide details on the annual library budget and the amount spentfor purchasing new books and journals.

Books	: 3,25,000
Periodicals	: 75,000
E-Resources	: 1,0000

4.2.9 Does the library get the feedback from its users? If yes, how is itanalyzed and used for improving the library services.

Regular feedback is obtained from users through

- **Suggestion Box** is kept in the library regarding the facilities, collectionsand the services
- The campus audit committee also collects feedbacks on various facilitiesand services offered by the library

The input thus obtained is analysed in the committee meetings and suitablecorrective measures are introduced.

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4.2.10 List of the infrastructural development of the library over the last four years.

- Purchase of Computers
- Chairs for the reading room
- Book racks
- Palmtops (tabs)
- MP3 players
- Property counters
- Display racks
- Water coolers with purifiers
- Newly furnished PG Readingroom with storage racks and seating facility

4.2.11 Did the library organize workshop/s for students, teachers, and non-teaching staff of the College to facilitate better Library usage?

- The library organises workshops for students (both UG and PG), fresh teachers, and non-teaching staff and for the headmasters and library staff of neighbouring schools
- Workshops are also organised for school teachers on reading habit cultivation
- Workshops were organised for staff on the resources/ services available in the library and their utilisation
- **Certificate course** on Library Science is offered to the students.

4.3 IT Infrastructure

ICT is playing a vital role in providing quality education. In this regard college has made all efforts to enhance the IT related infrastructures so that staff and students have equal opportunity to work in a digital environment. The pedagogic innovations in the field of ICT enabled teaching-learning process have enhanced the usage of digital tools. Students and staff can also browse information from various sources of World Wide Web related to their curriculum. In continuation the college has necessary IT facilities to carry out its administration work which helps in providing fast and accurate service to students and society.

4.3.1 Does the college have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

- The college has the policy of conforming to the standards of information technology.
- Servicing of IT instruments and facilities is looked after by Department of Computer Maintenance. However, services of experts from outside are also availed in case of needs.
- For administrative information security- user level authentication access is followed
- For network security - standard firewall and antivirus are in place
- Regular backups are provided in case of any risk to information
- In order to manage software asset book keeping method, where all the details of available software, maintaining the available software and their disposals are recorded, is followed.

4.3.2 Give details of the college's computing facilities (hardware and software). Number of systems with configuration, Computer-student ratio, Dedicated computing facility, LAN facility, Wifi facility, Proprietary software / Open source soft wares, Number of nodes/ computers with internet facility, Any other

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- Number of computers - 230
- System configuration - Enclosed (**Department Evaluative Report**
 - Computer – student ratio - 1 : 4
 - Stand alone facility - 15 Nos. Available
 - Licensed software - Microsoft campus agreement, C++, Adobe reader
 - Number of nodes/computers with internet facility - 75
 - Any other - Internet bandwidth / speed –4mbps

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

The Institutional plans and strategies for deploying and upgrading IT facilities and associated facilities are:

1. Need based increase in the number of systems and continuous up gradation of the existing systems.
2. Comprehensive maintenance of all systems by two specially trained technicians and systems service providers [the service being out sourced.]
3. Providing adequate generator and UPS support.
4. Continuous up gradation of softwares.
5. Optimal utilisation of electronic items before writing off

4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

The college has established necessary facilities. Access to online teaching and learning resources are provided in the following manner:

- Opportunity is provided to faculty and students to use the library of the college. They can access e-contents such as e-books, e-journals anywhere within the campus using LAN and Wi-Fi.
- Currently the college is involved in developing a centralized system for archiving e-content data so that the data can be accessed from anywhere with an authorized access.
- Educational interactive CDs (for faculty) are made available in the respective departments which can be used for teaching, learning and research.

4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the college and how they are utilized for enhancing the quality of teaching and learning.

- Well equipped AV rooms
- Full-fledged studios for e-content creation, recording and processing
- e-content development centre

Teachers of all the departments use e-contents and audio visual aids to enhance the quality of the teaching learning process.

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4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the college or affiliating University for such initiatives?

- All departments are provided with computer and internet facilities
- Studio-facility for e-content creation, recording and processing has been established. Technicians from the software cell of the institution offer technical support for the production and presentation of e contents
- Faculty are trained in preparing audio visual aids through the e content development workshops and training sessions
- Special training was conducted for both teaching and office staff on the use of Google services by the technicians from Google

4.3.7 How are the computers and their accessories maintained? (AMC, etc)

- During the warranty period the computers and their accessories are maintained by the vendor.
- Routine maintenance is done by Computer Maintenance Section.
- Based on the criticality of the problem the experts from outside shall be requested to maintain the systems.

4.3.8 Does the college avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?

- We are getting connected to National Knowledge Network through our affiliating university. Often we collect information on e-resources from this facility.

4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the college?

Particulars	2011-2012	2012-2013	2013-2014	2014-2015	Total
Purchase of Computers & Accessories	Rs. 85,000/-	--	-	-	85,000
Maintenance & Service	Rs. 21,500/-	Rs. 24, 500/-	Rs. 23,650/-	Rs.30,500/-	1,00,150

4.4 Maintenance of Campus Facilities

4.4.1 Does the college have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience

For all the institutions the management has appointed an engineer and a team of skilled technicians for the maintenance of the building. Some of the specific initiatives undertaken by this section are

- Periodic painting of the college
- Refurbishing the electrical network system
- Repair and maintenance of class rooms, library infrastructure and toilets
- Maintenance of the water storage and distribution system

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- Repair and asphaltting of approach roads and parking slots
- Maintenance of the ambience of the college garden

4.4.2 Does the college appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.

Yes. An electrician, a plumber, a carpenter and a few gardeners are appointed for the institution for general maintenance. Entire maintenance activity is monitored by a **fulltime supervisor**

4.4.3 Any additional information regarding Infrastructure and learning resources, which the institution would like to include. Unique services offered by the library

- Maintaining award winning author files
- Book bank (to provide books for socially and economically disadvantaged)
- Information sharing board (pooling information about specific topics by students)
- Paper clipping albums
- Book exhibitions
- Best reader recognition (monthly basis)
- Special information zone (to display articles on special issues from periodicals)
- What is special today (to display articles on events and information related to the specific days)
- New arrivals display
- Educational display boards like every Monday matters/W4H/ today's special/success stories

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The student support system of the college provides necessary assistance to students to acquire meaningful experiences for learning at the campus and facilitate their holistic development and progression to higher education and gainful employment.

Academic and personal mentoring, provision of scholarships and free ships to needy students, creation of a campus that is differently-abled friendly, promotion of gender equity, social justice and inclusive practices and prompt redressal of grievances have helped in catering to the differential needs of the student community. Personal enhancement and development schemes, career guidance and placement services and the activities of the Competitive Examination Coaching Centre facilitate progression of students to higher studies and employment. A wide range of co-curricular and extracurricular activities are offered to promote the all-round development of students.

5.1 Student Mentoring and Support

5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

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The college has developed a supportive system for the overall development of the students and enriching the campus life. The stakeholders' feedback revealed the need for continuing some of the already existing systems and also providing services relating to the latest technological pedagogies. Some of the well structured and practiced support systems are:

Mentorship:

A mentorship system is in place to monitor the overall progress of the students. Under this system, every teacher in the department serves as a mentor for a group of students. The mentors give due attention to the following:

- Monitoring the performance of students in tests and examinations
- Identifying the need for remedial classes
- Keeping track of students' attendance
- Drawing the attention of parents where necessary
- Guiding students in the choice of electives and their progression to higher studies.
Offering personal counselling and promoting social inclusion

The counseling cell:

The counseling cell has a professional counselor, caters to the psychological needs of the students. Students of the college have been given counselling.

Women development cell:

To cater to the needs of women students and to empower them, a women development cell has been established. The cell provides need based gender sensitization programmes to women students, it also offers awareness programmes on sexual harassment and preventive measures.

Hostel supervision committee: It ensures security, hygiene, and comfort to the inmates of the hostels, through their frequent visits to check and monitor the facilities. The grievances of inmates are redressed during its visits and unresolved issues are brought to the notice of the Principal for further action.

Student welfare committee: This committee handles the students' grievances if any and resolves the issues amicably with regard to outstation students residing in mess, the committee makes the visits to ensure greater safety and the food quality provided to the students.

Orientation programmes: These programmes are arranged at the college level and department level during the beginning of the academic year for the new entrants. The students are oriented about the infrastructure facilities and all support services. The departmental orientation programmes ensure that the students are oriented to curriculum, evaluation system and other learning activities in the campus.

Remedial Coaching: Based on the performance of the students in the internal examinations, every department undertakes **remedial coaching** for the low performers. The slow learners are given coaching during leisure hours.

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Add on courses: These courses give students an opportunity to take up training programmes in the fields of their interest. The college offers such short term certificate courses. Every student is expected to complete add on courses during the first four semesters of their degree studies.

Functions of the student support system:

- Providing scholarships and free ships to students
- Monitoring canteen, hostel, restroom and health care facilities
- Providing state- of- the- art library facility
- Encouraging students to participate and excel in co-curricular and extra-curricular activities including cultural, literary and sports
- Development of leadership qualities, responsible citizenship, environmental awareness and scientific temperament through activities of NSS and Red Cross
- Creating awareness about HIV and its prevention through Red Ribbon Club
- Facilitating the publication of college magazine and wall magazines
- Ensuring speedy redressal of students' grievances
- Promoting gender equity and catering to the special needs of women students **Women's hostel** which can accommodate 200 students and **Women's Rest Room** have been provided to cater to the special needs of women student
- Promotion of participatory management through students' forums
- Extending skill development, career guidance and placement services
- Coaching students to face competitive examinations
- Extending personal counselling services
- Networking with parents and alumni for the overall development of students
- Anti-ragging activities and sexual harassment redressal in tune with the ruling of the Supreme Court of India

5.1.2 What provisions exist for academic mentoring apart from classroom work?

The college has a very good learning ambience. All the teachers spend substantial time in academic matters and discussion with students. Every department has evolved unique way to involve students in academic activities. Every teacher acts as a mentor. Bridge courses are organized to fill the academic gap. Remedial classes are held and coaching is given to slow learners. Exposing students to lectures by invited speakers, online lectures etc. are some of the academic support services

5.1.3 Does the college provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counseling, soft skill development, etc.

Being in the rural area, most of the students lack exposure and guidance. The college has realized the importance of personality enhancement activities for such students and initiated various activities-

- **Career Guidance and Placement Cell** conducts training on communicative skills, goal setting, working in a team, critical and logical reasoning, aptitude, facing interview and writing resume for the students
- **Training programme on spoken English** for needy students by the Department of English
- **Interdisciplinary certificate courses** and **student forum** to enable students to acquire soft skills and in building confidence.
- **HRD Cell** conducts personality development programmes for students by inviting experts

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- **Language lab** facility ensures students language skills, especially neutralizing regional accents
- **The center for performing arts** gives training in, dramatics, music and dance and there by students acquire skills like body language, voice modulations, eye contact and confidence to perform
- **The departmental associations** also provide opportunities for personality enhancement and development

5.1.4 Does the college publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?

The college publishes updated prospectus and calendar of events annually. The college calendar includes the vision and mission of the college, goals and objectives, college profile, rules and regulations, course pattern, details of teaching and non teaching staff, evaluation procedures, details of scholarships, college prayer, campus facilities, campus code of conduct, details of functional committees, academic calendar, examination schedule, holiday details, leave pro forma and attendance credit format. Online access to the college calendar is available through the college website.

5.1.5 Specify the type and number of scholarships / freeships given to students (UG/PG/MPhil/Ph.D./Diploma/others in tabular form) by the college management during the last four years. Indicate whether the financial aid was available on time.

The management provides scholarships to the economically weaker students every year. The details are given below:

S.No	Academic Year	SC / ST Scholarship		Farmer Protection Scheme	Institutional Freeships	
		Nos.	Amount		Nos.	Amount
1	2009 – 2010	166	4,58,209	2,96,000	-	-
2	2010 – 2011	193	8,88,437	5,93,750	139	3,39,225
3	2011 – 2012	184	9,14,800	-	244	6,82,225
4	2012 – 2013	177	6,50,380	-	164	4,88,400
5	2013 – 2014	220	10,88,430	-	393	15,35,100
6	2014-2015	257	11,96,940	-	357	15,23,400

5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)

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The Following are the percentage of financial assistance from State Government and Central Government received by the students:

S.No	Year	State Government	Central Government	Other National Agencies
1	2009 – 2010	23.98%	-	-
2	2010 – 2011	18.52%	-	-
3	2011 – 2012	9.58%	-	-
4	2012 – 2013	10.03%	-	-
5	2013 – 2014	20.10%	-	-
6	2014-2015	10.19%	-	-

5.1.7 Does the college have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?

Whenever foreign students are admitted, **student welfare committee** takes care of their needs. At present there are no foreign students studying in the college.

However, online enquiries are entertained and suitable measures are taken to admit the students.

The representative of the college participates in the **national level educational fairs**.

The website is made interactive.

5.1.8 What types of support services are available for Overseas students, Physically challenged/differently abled students, SC/ST/OBC and economically weaker sections, Students to participate in various competitions/ conferences in India and abroad, Health centre, health insurance etc., Skill development (spoken English, computer literacy, etc.), Performance enhancement for slow learners / students who are at risk of failure and dropouts, Exposure of students to other institutions of higher learning/ corporates/business houses, etc., Publication of student magazines.

To cater to the diverse needs of the students belonging to weaker sections of the society the college has extended all support services.

- **Overseas Students: -NIL-**

- **Physically challenged/ Differently-abled Students:**

Differently-abled students are given services like extra time in the examination, special scholarships, and provision for scribes for writing examination and preference in admission, classes in the convenient locations. The college building has ramps, lift facility (PG block) and wheel chair facility.

- **SC/ST/OBC and economically weaker sections:**

College has extended support services to SC/ST/OBC and economically weaker sections. They are assisted to avail scholarships. Installments scheme for paying college fee, providing books, mid day

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meal facility and free hostel facility for needy boys and girls are other support services available to them.

- **Students to participate in various competitions / conferences in India and abroad**

College encourages students to participate in academic conferences and present papers by providing them travelling and food allowances. Students are also encouraged to participate in competitions. College has appointed professional trainers to train the students in sports and other performing arts. Whenever students are deputed to participate in competitions or meets outside the college the staff is deputed to accompany them.

Four students were given travelling allowance for participating in international sports events held in Japan, Philippines and Sri Lanka

- **Health centre, Health Insurance etc**

To cater to the well being of the students, the college has provided services like **on-call doctors visit** to the college and hostels, gymnasium facility, periodical health check up and counseling support.

- **Skill Development (Spoken English/ Computer Literacy etc.) Soft Skills**

To enhance soft skills, English communication skills, computer skills, entrepreneurial skills etc., the college offers training programmes through HRD Cell, Department of English, Department of Computer Science & Applications. **Performance enhancement for slow learners /students who are at risk of failure and dropouts.**

At the department level, diagnostic survey on the performance of students in the internal examination is conducted to identify the slow learners and such students are given additional coaching and motivational support.

- **Exposure of students to other institutions of higher learning/Corporate/ Business houses etc:**

Students are encouraged to participate in various programmes in other institutions of higher learning or corporate or business houses. The faculty of different departments liaises with outside organizations for summer projects and summer placements.

- **Publication of students magazines:**

College gives ample opportunities to the students to hone their writing skills and nurture their creativity. The departmental wall magazine is a place to exhibit their write-ups.

5.1.9 Does the college provide guidance /coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?

Yes. The college provides career guidance to all the students. Teachers of each department provide guidance to students on career opportunities in their respective subjects

- Students are encouraged, screened and shortlisted and sent to Manitha Neyam IAS coaching centre, Chennai with the financial support by the management for further coaching to attend the IAS exams.

The following are the detail of the students participated and successfully empanelled in the various departments.

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S.No	Department	No. of students opted	No. of students selected
1	Tamil	01	-
2	English	-	-
3	Maths	18	04
4	Physics	01	-
5	Chemistry	01	01
6	Bio-Tech	01	-
7	Computer Science & Applications	20	05
8	Commerce	01	-
Total		43	10

- After a number of screening 10 students were selected for IAS coaching.
- SET/NET coaching classes provided for the Tamil department student's by staff of various departments of our college.

5.1.10. Mention the policies of the college for enhancing student participation in sports and extracurricular activities through strategies such as additional academic support, flexibility in examinations, special dietary requirements, sports uniform and materials, any other

Policy: The College pursues the policy of adopting desirable strategies to promote active participation of students in sports and other extracurricular activities. Towards this end, the following measures have been implemented:

Additional academic support, flexibility in examinations

- Students who miss classes on account of sports and other extracurricular activities may attend remedial theory and practical classes to catch up with the lessons.
- In addition, teachers pay special attention to such students and assist them in making up for the classes lost.
- In undergraduate programmes, **two internal assessment tests** are conducted out of which students may write any one. This provides flexibility to students participating in extracurricular activities.
- Postgraduate departments offer flexibility with respect to scheduling of tests, seminars and submission of assignments.

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Special dietary requirements, sports uniform and materials

- Special diet is provided to students taking part in BodyBuilding competitions
- The college bears the **uniform and equipment expenses** of students representing the University in various events
- **Travel allowance and refreshment charges** are also paid to such students

Any other

- Shortage of attendance of students participating in extracurricular activities is condoned as per University norms
- **Cash prizes** are given to outstanding achievers in extracurricular activities
- Prizes are awarded for winners at the Annual Athletic Meet and Talents Day
- The college organizes intercollegiate Volleyball, Ball-badminton, Essay Writing competitions every year.

5.1.11 Does the college have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes. The college has an exclusive training and placement cell (**Career Guidance Cell**) with a coordinator and student representatives.

The Cell organizes the following programmes regularly:

- Soft skill development training
- Weekly aptitude test
- Model entrance examinations
- Training in mock interview & resume writing
- Spoken English training for freshers
- Campus recruitment
- Deputing students for job fairs
- Alumni interactions

5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).

The number of students selected during campus interviews by different employers for the last four years are given below: Students were sent for campus interview,

- In our own campus
- In the campus of our sister concern's
- In campus of other college (off campus)
- We have a placement cell in our campus to train the students on various aspects like communication skill, personality development, interview skills etc., through on/off campus placement; many students were placed in different companies.

The following are the list of selected candidates in various companies during the last four years.

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PLACEMENT CELL (2009-2010)

S.No	Companies	No. of Students Selected
1.	Getit Yellow Pages	15
2.	Suba Shares, Salem	02
3.	Institute of Language	03
4.	Infosys (BPO)	03
5.	Cyber Net & Slash Support	08
6.	Reliance ADA Group	52
Total		83

PLACEMENT CELL (2010-2011)

S.No	Companies	No. of Students Selected
1	TCS Chennai	02
2	WIPRO BPO – Chennai	04
3	TCS BPO – Chennai	23
4	WIPRO Technologies – Chennai	05
5	CTS, Chennai	04
6	TCS, Chennai	06
7	Deloitte, Chennai	02
8	Thyrocare – Mumbai	03
9	Reliance	14
10	Dell – Chennai	01
11	Mahendra – Sathyam	02
12	MNW	65
Total		131

Nearly 250 students are undergoing free placement training organized by Mahendra Next Wealth India Pvt.Ltd. @ Mahendra Arts & Science College – Kalippatti.

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PLACEMENT CELL (2011-2012)

Training Programme

S.No	Date	Companies	No.of Student / Staff Participated
1	29.07.2011	Career Guidance Program Organized by Periyar University	All PG Students
2	26.09.2011 To 30.09.2011	Placement Training Programme	All Final year Computer Science & Applications students
3	02.12.2011	Training of Teachers and Placement officers organized by Periyar University, Salem	4 Staff Members
4	09.01.2012 To 13. 1.2012	Placement Training Programme	All Final year students [Physics, Bio- tech Chemistry Commerce, English& Maths]
5	02.12.2012	Training of teachers and placement officers organized by Periyar University	4 Staff Members

Placement

S.No	Companies	No.of Students Selected
1.	M/S Bllue Lotus	03
2.	TATA Consultancy Service, Chennai	15
3.	Mahima Technology Salem	80
4.	Mahendra Next wealth India IT Pvt.Ltd	26
Total		124

PLACEMENT CELL (2012-2013)

Training Programme

S.No	Date	Companies	No. Of Student / Staff Participated
1.	22.02.2013	Coaching Softskills and Language Skills, Periyar University, Salem	All final year UG and PG Students
2.	06.04.2013	TCS – SC/ST Free Training Programme	10

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Placement

S.No	Companies	No. of Students Selected
1.	TCS, Chennai	03
2.	Nandhini Batteries	03
3.	Mahima Technology Salem	80
4.	Mahendra Next wealth India IT Pvt.Ltd	15
5.	Georgia Technologies, Bangalore	22
6.	Maha Ajay Spinners, Salem	18
Total		141

PLACEMENT CELL (2013-2014)

S.No	Companies	No. of Students Selected
1.	ICICI Bank, Salem	06
2.	Blue Lotus, Chennai	01
3.	TCS – BPO, Chennai	01
4.	HCL Services, Chennai	02
5.	Serco-Global, Chennai	03
6.	IDBI Federal Life Co. Ltd, Coimbatore	27
7.	iLOGITEK Business Solution	03
8.	NIIT, Dream Plus, Proget, RITT, Arena, Chennai	35
9.	Muthoot Fin.Corp. Ltd., , Salem	03
9.	ICICI Bank, Chennai	41
Total		122

PLACEMENT CELL (2014-2015)

S.No	Companies	No. of Students Selected
1.	Cognizant Technology Solutions (CTS)	02
2.	Wipro Technologies Pvt Ltd	07
3.	Infosys BPO	14
4.	Mahima Technology	15

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5.	Mahendra Next Wealth India IT Pvt Ltd (MNW)	12
6.	Tech Mahindra	01
7.	Virtusa Technologies	01
8.	Scope E-Technologies	12
9.	Sutherland Global Services	01
10	Q-Primes Technologies	01
11	Hexaware Technologies	01
12	ICICI Bank	80
13	OLA CABS	25
14	Unisys Technologies	87
15	Greenydot Tech	06
Total		265

5.1.13 Does the college have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?

Yes, the college has an Alumni Association. The activities and contributions are as follows:

- The core and executive committees of the association meet once in two months to chalk out programmes and a general body meeting is convened annually. The association organizes programmes on career guidance to final year students and also extends assistance with respect to project and job placements.

5.1.14 Does the college have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.

The College has a **Grievance Redressal Cell** to deal with the grievances of the students

- In the beginning of the academic year students are briefed about the support and assistance provided by this cell
- The grievances pertaining to infrastructure, attendance, examination, library, canteen, etc. are redressed by the cell
- Emotional and economical aspects also are heard by the redressal cell and necessary arrangements are made

5.1.15 Does the college have a cell and mechanism to resolve issues of sexual harassment?

The Women Development Cell and Women Grievance Redressal Cell sensitize the students on sexual harassment, gender equity and legal implications. There are no cases of sexual harassment till date. The following activities are regularly conducted by the Women Development Cell

- Gender sensitization programmes
- Legal awareness programmes
- Awareness on sexual harassment and preventive measures

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

There is an **Anti-ragging committee** in the College. No instances of ragging have been reported so far. The committee displays on notice board of the college and hostels. The information about the consequences of ragging and its implications. The committee organizes lectures on anti-ragging by police officials every year.

5.1.17 How does the college elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co-curricular activities, research, community orientation, etc.?

The college elicits the co-operation of all the stakeholders through the following bodies/ activities:

- **Alumni** – The college maintains an active network with the alumni through Journal, alumni meets and their visits to the college. The alumni are members in BOS, Academic Council and associate in designing curriculum. Alumni are also invited for workshops related to redesigning of curriculum, research and community oriented activities. The alumni contributes for midday meal scheme and help in the placement of the students
- **Parent** - The suggestions of the parents in the PTA meeting are considered for the overall development of the students. Parents are required to meet their mentors twice a year
- **Management** - The Management supports and guides the institution towards quality education by providing excellent infrastructure and necessary resources. Members of the management often visit the college. President invariably attends the annual get together of staff and annual day of the college.
- **Staff** – The staff contribute to overall development of the college by being the members of governing council, academic council, IQAC, BOS and by involving in various administrative and functional committees of the college.

5.1.18 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?

Some of the special schemes offered to motivate students for participation in extracurricular activities are:

- Exclusive **Sports Club**
- Appointment of expert trainers
- Transport facilities
- Financial support
- Organizing coaching camps
- Recognitions
- Boarding and lodging for students to give outdoor performances
- Uniform
- Sport kits
- Attendance credit

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5.1.19 How does the College ensure participation of women in 'intra' and 'inter' institutional sports competitions and cultural activities? Provide details of sports and cultural activities in which such efforts were made?

The college has the phenomenal history of encouraging the girl students in all the extracurricular activities. A separate free sports hostel is provided for women. They are given all facilities such as free education, nutrition rich diet, uniform, sport kits, attendance credit, re-tests, coaching by experts, motivational training, financial assistance, transportation and escort support.

5.2 Student Progression

5.2.1 Provide details of programme-wise success rate of the college for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)

Under Graduate Programmes

S.No	Courses	2011-2012				2012-2013				2013-2014				2014-2015			
		Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%
01.	Tamil	9	9	8	89	14	14	11	79	5	5	4	80	7	7	7	100
02.	English	51	51	40	78	58	55	45	82	77	77	31	40.25	39	39	22	56.41
03.	English CA	50	50	42	84	23	21	16	76	-	-	-	-	-	-	-	-
04.	Maths	57	53	48	91	53	53	46	87	54	54	45	83.33	52	52	40	76
05.	Maths CA	24	23	19	83	29	29	24	83	-	-	-	-	-	-	-	-
06.	Physics	13	13	10	77	16	16	12	75	16	16	6	37	17	17	10	58.8
07.	Chemistry	12	11	9	82	32	32	25	78	29	29	7	24.13	20	20	9	45
08.	Bio-Tech	21	20	16	80	11	11	9	82	18	18	15	83.3	9	9	5	55
09.	Computer Science & Applications	79	79	72	91.14	114	114	103	90.35	159	159	107	67.29	140	140	122	87.14
10.	Commerce	149	145	127	87.59	122	122	111	90.98	131	131	73	55.73	112	112	76	67.8
Total		465	454	391	86.1	472	467	402	86	489	489	288	58.89	396	396	291	73.48

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POST GRADUATE PROGRAMMES

S.No	Courses	2011-2012				2012-2013				2013-2014				2014-2015			
		Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%	Tot	App	Pass	%
01.	Tamil	11	11	11	100	18	18	17	94	3	3	3	100	5	5	5	100
02.	English	2	2	-	-	10	10	7	70	15	15	12	80	16	16	3	18
03.	Maths	16	16	12	75	22	21	18	86	34	34	3	8.8	33	33	10	30.33
04.	Physics	17	17	13	76	5	5	3	60	5	5	4	80	13	13	12	92.3
05.	Chemistry	30	24	20	83	29	25	19	76	13	13	1	7.69	24	23	14	60.86
06.	Bio-Tech	22	22	17	77	9	9	8	89	7	7	6	86	16	16	15	93.75
07.	Computer Science & Applications	29	29	27	93	29	29	26	90	19	19	14	73.6	41	41	39	95
08.	Commerce	17	17	5	29.4	26	26	21	80.7	33	33	30	91	25	25	11	44
09.	MSW	16	15	15	100	12	8	8	100	7	7	7	100	6	6	6	100
Total		160	153	129	84	160	151	127	84.1	136	136	80	58.82	179	178	115	64.6

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

The following are the details of the students to higher education/employment.

Year	UG to PG	PG to M.Phil	PG to Ph.D.	Employed	
				Campus selection	Other than campus recruitment
2009-10	63.98	46.93	--	13.65	06.15
2010-11	67.56	70.20	--	16.91	06.40
2011-12	53.53	49.58	--	14.56	10.12
2012-13	54.70	54.46	--	20.02	08.21
2013-14	58.76	56.23	0.2%	16.26	8.75
2014-15	62.54	56.78	0.5%	44.16	3.21

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5.2.3 What is the programme-wise completion rate/dropout rate within the time span as stipulated by the college/University?

Counseling and student ward system are carried out with the co operation of the parents.

UNDER GRADUATE PROGRAMMES

S.No	Courses	2011-2012	2012-2013	2013-2014	2014-2015
		%	%	%	%
01.	Tamil	89	79	80	100
02.	English	78	82	40.25	56.41
03.	English CA	84	76	-	-
04.	Maths	91	87	83.33	76
05.	Maths CA	83	83	-	-
06.	Physics	77	75	37	58.8
07.	Chemistry	82	78	24.13	45
08.	Bio-Tech	80	82	83.3	55
09.	Computer Science & Applications	91.14	90.35	67.29	87.14
10.	Commerce	87.59	90.98	55.73	67.8
Total		86.1	86.1	58.89	73.48

POST GRADUATE PROGRAMMES

S.No	Courses	2011-2012	2012-2013	2013-2014	2014-2015
		%	%	%	%
01.	Tamil	100	94	100	100
02.	English	-	70	80	18
03.	Maths	75	86	8.8	30.33
04.	Physics	76	60	80	92.3
05.	Chemistry	83	76	7.69	60.86
06.	Bio-Tech	77	89	86	93.75

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07.	Computer Science & Applications	93	90	73.6	95
08.	Commerce	29.4	80.7	91	44
09.	MSW	100	100	100	100
Total		84	84.1	58.82	64.6

5.2.4 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE /CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.

Students are encouraged, screened and short listed and sent to Manatha Neyam IAS coaching centre, Chennai with the financial support by the Management for further coaching to attend the IAS exams.

The following are the detail of the students participated and successfully empanelled in the various departments.

S.No	Department	No. of Students opted	No. of students selected
01.	Tamil	1	-
02.	English	-	-
03.	Maths	19	5
04.	Physics	1	-
05.	Chemistry	1	1
06.	Bio-Tech	1	-
07.	Computer Science & Applications	20	5
08.	Commerce	1	-
Total		44	11

- After a number of screening 11 students were selected for IAS coaching.
- SET/NET coaching classes provided for the Tamil department students by staff of various departments of our college.

5.2.5 Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.

NIL

5.3 Student Participation and Activities

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

The details of participations are as under.

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Academic Year 2012 – 2013

S.No.	Name / Course	Game	Level of Participation	Venue & Date	Place / Position
1	P.Moorthi II B.Com. CA	Taek Wan Do	State Tournament ITF South zone	Ramachandrapuram Andharapradesh 27.09.2012 to 02.10.12	1 st Place (Group Sparring)
2	T.Praveenkumar III B.Com.	Boxing	Intercollegiate	Muthayammal Arts & Science College 24.09.2012 & 25.09.2012	2 nd Place
3	M.Manikandan III B.Sc. Maths	Boxing	Intercollegiate	Muthayammal Arts & Science College 24.09.2012 & 25.09.2012	2 nd Place
4	R.Mahendran III B.Com.	Boxing	Intercollegiate	Muthayammal Arts & Science College 24.09.2012 & 25.09.2012	3 rd Place
5	P.Ashok kumar II B.A. English	Boxing	Intercollegiate	Muthayammal Arts & Science College 24.09.2012 & 25.09.2012	3 rd Place
6	S.Sabarishkumar II B.C.A.	Boxing	Intercollegiate	Muthayammal Arts & Science College 24.09.2012 & 25.09.2012	3 rd Place
7	P.Moorthi II B.Com. CA	Taek Wan Do	Tamilnadu State Taek Won Do Championship	Sengunthar Thirumana Maligai, Chinnasalem 12.08.2012	1 st , 2 nd & 2 nd Prize (Group Tuls, Group Sparring, Sparring)

Academic Year 2011 – 2012

S.No.	Name / Course	Game	Level of Participation	Venue & Date	Place / Position
1	T.Pravenkumar II B.Com.	Boxing	Intercollegiate	Muthayammal College,	1 st Place

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2	R.Mahendran II B.Com.	Boxing	Intercollegiate	Rasipuram 25&26.08.2011	3 rd Place
3	R.Nandhakumar II BBA	Boxing	Intercollegiate		3 rd Place
4	R.Kaliselvi II B.Sc. Physics	Hand Ball	South zone Inter University	Kakatiya University, Warangal (AP) 13.01.2012 to 17.01.2012	Participation
5	S.Saranya I B.A. English	Hand Ball	South zone Inter University	Kakatiya University, Warangal (AP) 13.01.2012 to 17.01.2012	Participation
6	P.Revathi II B.Sc. Chem.	Hand Ball	South zone Inter University	Kakatiya University, Warangal (AP) 13.01.2012 to 17.01.2012	Participation

Academic Year 2010 – 2011

S.No	Name / Course	Game	Level of Participation	Venue & Date	Place / Position
1	M.Tamilselvan I B.Com.	Boxing	Intercollegiate	Periyar University, 24&25.09.2010	3 rd Place
2	M.Karthik I B.Com.	Boxing	Intercollegiate	Periyar University, 24&25.09.2010	3 rd Place
3	G.Nandhakumar II B.C.A.	Weight Lifting	Intercollegiate	Sengunthar College, 06&07.09.2010	3 rd Place
4	R.Lavanya III BCA	Weight Lifting	Intercollegiate	Sengunthar College, 06&07.09.2010	3 rd Place
5	R.Kalaiselvi I B.Sc. Physics	Weight Lifting	Intercollegiate	Sengunthar College, 06&07.09.2010	3 rd Place
6	S.Thatchina Moorthi	Badmint on	Intercollegiate	KKC Velur 13&14.09.2010	2 nd Position

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	III B.Com. CA				
7	V.Dinesh III B.A. English	Badminton	Intercollegiate	KKC Velur 13&14.09.2010	2 nd Position
8	M.Vigneshkumar III B.Sc. Maths	Badminton	Intercollegiate	KKC Velur 13&14.09.2010	2 nd Position
9	S.Kalaiyaran III B.Com. CA	Badminton	Intercollegiate	KKC Velur 13&14.09.2010	2 nd Position
10	N.Naveen II B.Sc. Chem.	Badminton	Intercollegiate	KKC Velur 13&14.09.2010	2 nd Position
11	G.Gokulakannan I MSW	Badminton	Intercollegiate	KKC Velur 13&14.09.2010	2 nd Position
12	S.Thatchina Moorthi III B.Com. CA	Badminton	Inter University	Dr.N.T.R University of Health Sciences Vijayawada (AP) 27.10.2010 to 31.10.2010	Participation

Academic Year 2009 – 2010

S.No.	Name / Course	Game	Level of Participation	Venue & Date	Place / Position
1	M.Gopala Krishnan III B.Com. CA	Weight Lifting & Power Lifting	Intercollegiate	Visya College 27.10.2009	1 st Place 2 nd Place
2	M.Prasanth III BCA		Intercollegiate		2 nd Place 3 rd Place
3	R.Gokulakannan III BCA		Intercollegiate		2 nd Place 2 nd Place
4	R.Mahendran III BCA	Weight Lifting	Intercollegiate	Visya College 27.10.2009	3 rd Place
5	R.Manikandan III B.Com.	Weight Lifting	Intercollegiate	Visya College 27.10.2009	3 rd place
6	M.Prasanth III BCA	Power Lifting	All India Inter University	Gurunanakdev University, Amritsar. Panjab	Participation
7	S.Rajendran III B.Com. CA	Foot Ball	Southzone Inter University	Bharathiyar University. Coimbatore	Participation

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5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University / State / Zonal / National / International, etc.

Details of the achievers in **co-curricular, extracurricular** are given below:

The following are the details of student's achievements.

S.No.	Academic Year	Name / Course	Competition Name / Organized By	Place
1	2009 – 2010	S.Sundharavadivelan II B.A English	Poem Writing in Tamil	I
2	2010 – 2011	R.Ramya B.Sc Maths	State Level Science Exhibition	III
3		A.Murugan B.Sc. CS	State Level Youth Club Exchange Programme	Participated
4		S.J.Gowri I B.A English	Essay Writing in Tamil	II
5		P.Deepthi I M.A English	Classical Dance	III
6		S.Sundharavadivelan III B.A English	Speech	I
7	2011 – 2012	D.Kaladevi B.Sc Maths	MTTS – 2011	Participated
8		S.Selvi B.Sc. CS	State Level Poetry Competition / Kaviyarasar Kalai Tamil Sangham	Ilaya Bharathi Award 2012 & III Place
9	2012 – 2013	B.Sathishkumar M.Santhosh M.Santhoshkumar D.Gowtham M. Vincent Raj III B.C.A.	District Level Cultural Competition Dance Programme / National Voters Day 2013.	I
10	2012 – 2013	A.Aravinth R.Sathishkumar A.Mariyappan S.Sridhar S.Karthikeyan K.Senthilkumar III B.C.A.	District Level Cultural Competition Drama Programme / National Voters Day 2013.	I
11		K.EmilRished Umbrant M.Sc. Maths	National Level Seminar on Mathematical Modelling of Real Time	Participated

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			Problems	
12		C.Loganathan M.Sc. Maths	National Level Seminar on Mathematical Modelling of Real Time Problems	Participated
13	2013 – 2014	S.Karthikeyan B.Sc. Maths	Entrepreneurs Development Cell Training Programme	Participated
14	2014-2015	Karthick M.Com.	National Level HR Club Competition	First Prize

5.3.3 How often does the college collect feedback from students for improving the support services? How is the feedback used?

The college has a unique system of collecting feedback from students weekly, on different issues related to infrastructure and support services. Feedbacks on the following services have been collected: Class room maintenance, Ladies room maintenance, Water supply, Co-operative store, Multi facility centre, Magazine and journal, Library, Wall magazine, Utility of science labs, Canteen, Notice board, Career guidance cell, Mentorship, Administrative services, Infrastructural facility, Audio visual facility, Academic activity of departments. Based on the feedback from the students, services are improved wherever needed.

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the college?

Yes, feedback is sought from both graduates and employers and the same is used for the growth and development of the college.

Feedback from Graduates

- Members of the alumni association of the college meet annually and this meeting serves as a platform for the exchange of ideas between graduates and the college
- The college seeks suggestions about curricular, co-curricular and extracurricular aspects from its alumni during Graduates' Day and when they visit the college to informally interact with their teachers
- Alumni also serve on the boards of studies of some departments and offer suggestions pertaining to revision of curricula

Feedback from Employers

The college keeps in touch with employers and obtains their feedback through different means.

- Eminent industrialists serve on various bodies of the college such as the Governing Body, Academic

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Council, Board of Studies and Internal Quality Assurance Cell and offer valuable suggestions.

- Industry-Institute interaction sessions are organized by some of the departments during which feedback is collected to make the students 'industry-ready'.
- Feedback is also sought from corporate houses visiting the college for campus recruitment.

5.3.5 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine and other material? List the major publications/materials brought out by the students during the previous academic session.

- Annual Magazines are prepared and circulated among the students and staff every year.
- Students are encouraged to publish their materials in the college magazines and intercollegiate level.

5.3.6 Does the college have a student council or any similar body? Give details on its constitution, major activities and funding.

- Yes, There is a student council in each department. The office bearers of these councils are selected based on student performance and behaviours. The activities of the respective departments are conducted accordingly.
- Faculty, students and management is collectively contributing to form a corpus of the council. The council selects the beneficiary students' and helps them according to the needs.

5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

The opportunity is being provided to the students in the relevant functional and academic bodies. The following functional committees have student representatives: discipline committee, student welfare committee, literary committee, fine arts committee, documentation committee, extracurricular committee, learning resource committee, campus audit committee, maintenance committee and alumni association committee. The student representatives in the functional committee are involved in organizing college level and inter college level programmes.

Additional information on student support and progression

- Outstanding National and International achievers in sports, cultural, are awarded with cash incentives, certificate and mementos during Annual day celebration
- Children of teaching and non teaching staff of the college and sister institutions are given fee concession
- Digital notice board is installed at the college entrance.

Students serve on the Boards of Studies of some Departments and contribute their ideas towards curriculum revision. They serve as members in Cultural Committee and Sports Committee. All extracurricular activities are organized in consultation with members of the Students' Forum

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Criterion VI: Governance, Leadership and Management

The college firmly believes that dynamic leadership based on democratic principles and participative decision-making holds the key not only to realize the vision, mission and goals of the institution but also in building a healthy organizational culture.

A vividly spelt out perspective plan, academic autonomy at all levels and delegation of responsibilities down the line have helped the college in successfully achieving several milestones. Employee-friendly service conditions and ample opportunities for growth have helped in attracting and retaining talented teachers. Concerted efforts for resource mobilization and sound financial management have facilitated healthy growth and development of the institution. Constructive use of stakeholder-feedback and development initiatives of the IQAC have paved the way for continuous improvement.

6.1.1 State the Vision and Mission of the College

Vision and mission statements are the core of strategic planning of the college. It is drawn through a series of exercises involving key stakeholders.

Vision

To provide good education hybridized with good conduct and character to the rural based students by providing all infrastructure facilities. Empowerment through competency development and ethical foundation

Mission

- To impart quality education with good conduct and character.
- To adopt new techniques to improve students skills.
- To train them to overcome any critical situation.
- To develop leadership qualities.
- To train them to become good citizens.
- To create better opportunities for employment.
- Providing infrastructural facilities to meet the contemporary needs
- Inculcating the spirit of Inquiry

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- Adopting learner centered approach
 - Empowering ICT for effective teaching learning and evaluation
 - Practicing fair and just methods of assessment and evaluation
 - Enhancing growth opportunities for employability
 - Sustaining transparency in institutional governance
 - Fostering value practices and social responsibility
 - Focusing on continuous improvement through comprehensive feedback
- Institutional vision / mission are reflected in the academic programmes of the institution.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Yes, the mission statements reflect the distinctive characteristics of the college.

Mission statements define the aspiration of the college to address the needs of society by offering programmes carrying contemporary relevance, facilitating the development of global competencies among students, producing industry-ready, qualified human resources and undertaking research and extension activities that contribute to sustainable development.

It highlights the intention of the college to provide all the support services needed by students in general and by students coming from marginalized sections of society in particular. These services include provision of financial assistance to needy students, promotion of gender equity and inclusive growth and offering personal-enhancement and skill-development programmes. The intention of the college to provide cost-effective education so that it is accessible to students coming from all economic backgrounds is made explicit in the vision statement.

It is illustrative of the college's traditions and value orientations which are rooted in spirituality and uphold the worth and dignity of every individual. The college strives to promote national integration, human rights, universal brotherhood and community development activities through inclusive practices. It provides holistic education through the inculcation of values and ethics.

Efforts in the above mentioned direction will help the college to realize its vision for the future which is to be known as an institution providing need-based, skill-integrated, cost-effective, quality and holistic education, transforming the students into globally competitive, employable and responsible citizens and to be recognized as a centre of excellence.

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6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement, interaction with stakeholders, reinforcing culture of excellence, identifying needs and championing organizational development (OD)?

Organization's Management System Development and Implementation

- The Committee System which includes several committees such as the planning committee, welfare committee, grievance-redressal committee, sports committee, cultural committee, student's forum, etc., provides ample scope for participatory management.

Continuous Improvement

The college leadership facilitates continuous improvement in academic and administrative matters through:

- Quality enhancement measures initiated by the IQAC
- Annual plans carrying proposals for development planned proposals were initiated in the last four years
- Deliberations of the Planning Committee and Campus Development Committee
- The use of feedback collected from stakeholders including experts serving on various statutory bodies
- Annual performance appraisal of staff and corrective actions suggested thereof
- Staff enrichment programmes - seminars, conferences and workshops were organized in the last four years
- Periodic review and revision of curricula - Curricula of undergraduate programmes were revised.
- Implementation of recommendations of academic and administrative audit committees - both internal and external
- Suggestions put forth during meetings of Heads of Departments and staff

Interaction with stakeholders

Specific efforts are made to build and maintain a healthy relationship with all stakeholders.

The student community

- Informal interaction with students begins right at the time of admission when they come seeking information about programmes offered by the college, admission procedure etc.
- The college initiates its formal interaction with the student community with the orientation programme at the beginning of the academic session. The objective of the programme is to familiarize the students with the college and its various sub-systems and to make them feel as a part of the institution.
- Students may meet the Principal whenever required.
- The Principal meets the members of the students' forum and class representatives as and when required.
- Students may contact teachers/head of various support services after class hours.
- Feedback on curriculum, teaching and support services is obtained from students at the end of

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each semester.

- A suggestion box has also been provided for students to contribute their ideas/express their views.

Teaching and Non-teaching Staff

- Meetings of the staff council are reconvened at the beginning and end of each semester and also whenever there is a requirement arises. Such meetings serve as a platform to collectively plan for future academic sessions and evaluate past sessions.
- Staff members may meet the Principal/College administration whenever required. Utmost importance is given to addressing their personal and professional needs/problems.
- IQAC plays a pivotal role in initiating interaction among teaching and non-teaching staff
- A feeling of oneness is developed when staff members come together during luncheon meetings organized by the staff association and during the celebration of National festivals.

Parents

- The Principal interacts with parents at the time of admission and whenever they approach him.
- Teachers and mentors meet parents during parent-teacher meetings and whenever the need arises
- Grievances of parents are addressed by concerned authorities
- Parents are contacted immediately in case of any emergency
- Parents are invited to the Graduates' Day to appreciate the achievements of their wards

Industry

- The leadership keeps in touch with industry through the participation of eminent industrialists in various statutory bodies of the college, collaboration for student projects, internship and field work and companies visiting the college for campus recruitment.

Society at large

- The general public is kept informed about the significant developments and upcoming events of the college through **print and electronic media** from time to time. Such information is also disseminated through the college website.
- Leading personalities of society and representatives of the print and electronic media are invited to college functions.

Reinforcing culture of excellence:

The leadership's efforts to develop and sustain a culture of excellence are visible in practices such as:

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- Introduction of need-based and innovative programmes
- Adoption of blended method of teaching – traditional method combined with ICT enabled teaching
- Inculcation of research culture and promotion of interdisciplinary research
- Emphasis on skill development
- Promotion of participative management at all levels through the committee system.
- Placing strong emphasis on faculty enrichment programmes seminars, conferences and workshops have been organized in the college over the last four years.
- Continuous improvement through stakeholder-feedback and staff-appraisal
- Planning and execution of quality initiatives through IQAC
- Recognizing and rewarding outstanding achievers among students and staff
- Move towards governance with the help of Management Information System which has been presently in the software testing stage

Identifying needs and championing organizational development

The following efforts are made to identify needs and initiate development measures:

- Suggestions are offered by experts serving on statutory bodies of the college
- Feasibility studies are undertaken prior to the introduction of new programmes – **a recent initiative worth mentioning is the field survey carried out by the Postgraduate Department of Commerce.**
- Feedback is obtained from all stakeholders – students, teachers, parents, industry, academia - towards the overall development of the college
- Results of performance appraisal of teaching and non-teaching staff are used to offer constructive suggestions, if needed
- Periodic meetings with heads of departments, support services and the students' forum help in reviewing progress and identifying loopholes, if any
- The annual planning exercise undertaken at the department level helps in forecasting human resource and infrastructure requirements
- Progress of the college including activities, examination results and achievements of students and staff are reviewed in meetings of the Staff Council, Heads of Departments, Academic Council and Governing Body
- Training needs are identified periodically to chalk out staff enrichment programmes – **computer training programmes and workshop on preparing research proposals were organized based on need assessment**

6.1.4 Were any of the top leadership positions of the college vacant for more than a year? If so, indicate the reasons –

No

6.1.5 Does the college ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Yes, meetings are held as per schedule

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6.1.6 Does the college promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the college promotes a culture of participative management at all levels.

- At the highest level, the college elicits the participation of **management representatives and representatives of industry and academia** in the proceedings of the Governing Body, Finance Committee, Academic Council and Boards of Studies.
- The participation of primary stakeholders, namely, **students and teachers** is ensured through different means. Senior teachers are given the opportunity to serve on bodies such as Governing Body, Academic Council, Finance Committee, Boards of Studies, Boards of Examination, Internal Quality Assurance Cell, etc. Teachers are by rotation given the opportunity to serve on different committees such as Library Committee, Welfare Committee, Sports Committee, Cultural Committee etc. Important decisions are made in consultation with staff members in Department Council, HoDs and Staff Council meetings.
- Office bearers of the **students' forum and class representatives** are periodically invited to share their views and opinions on various curricular, co-curricular and extracurricular matters. Alumni serve on the Boards of Studies of some departments and participate in curriculum revision. Students, along with members of the teaching and non-teaching staff are included in different work committees during college functions.
- **Parents** are involved in the activities of the college through parent-teacher meetings. They may also visit the college to offer suggestions or express grievances, if any.
- Apart from participation in statutory bodies, the involvement of **industry** is sought through means such as collaboration with corporate houses for field work and project placement, industry-institute interact meets and seeking suggestions from companies visiting the college for campus recruitment.
- Members of the **alumni association** contribute their ideas towards the overall development of the college and alumni serve on the Boards of Studies of some departments.
- The **general public** is kept informed about the activities and achievements of the college through press releases and the college website.

6.1.7 Give detail of the academic and administrative leadership provided by the University to the College.

The University provides academic and administrative leadership to college in the following ways:

- Representatives of the University serving on the Governing Body, Academic Council, Boards of Studies and Boards of Examination offer constructive suggestions pertaining to academic and administrative matters
- Representatives of the University also serve on Admission Committees and oversee the admission process
- The University Review Committee visits the college annually and offers suggestions towards the

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overall development of the college

- The College Development Council of the University acts as a liaison between the UGC/other funding agencies and the college and extends support to all the developmental endeavours of the college

6.1.8 How does the College groom the leadership at various levels?

- Staff members are entrusted with assignments and responsibilities that facilitate the development of leadership skills. These responsibilities include serving on various committees, organizing seminars and conferences, etc.
- Appointment to various committees as Convener/Member on the basis of rotation, thereby, everyone is provided with an opportunity to develop.
- Middle-level staff members with potential are identified and appointed as heads of units/cells.
- Teaching and non-teaching staff are deputed to workshops on leadership skills organized in the college as well as outside.
- Most of the committees are constituted with a judicious mix of senior and junior staff so that junior staff members gain exposure and imbibe leadership qualities. This also ensures that a second line of leadership is groomed to take on responsibilities in future.
- Students' forums are constituted to nurture leadership qualities among students.

6.1.9 Has the college evolved any strategy for knowledge management? If yes, give details.

Yes, recognizing the fact that successful organizations are knowledge-driven, the following strategies have been evolved for knowledge management:

- Library and Information centre acts as nodal centre for knowledge management with **books, journals and e-books and e-journals through INFLIBNET.**
- The Boards of Studies update the curricula to keep abreast of latest developments in the field. Workshops on curriculum development are also organized involving the services of subject experts.
- Workshops, seminars and conferences are organized periodically as a means of faculty development.
- Faculty members who are deputed to attend seminars, conferences and workshops are required to submit reports and share their learning experiences in departmental meetings.
- Publication of the research endeavours of the teachers in a peer-reviewed journal brought out by the college, is an attempt towards knowledge management.
- **Management Information System** is in the software testing stage and it will soon be possible for the college to effectively use digital data. For instance, MIS will be used to map the skills and competencies of the college's human resources, analyze examination results and evolve methods to enhance academic performance, analyze feedback provided by stakeholders and devise corrective action wherever required.

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- Care is taken to document all the activities of the college so that information can be retrieved whenever needed. The college also publishes an **Academic Report**.
- Information pertaining to latest developments of the college is disseminated to all stakeholders so that everyone is kept informed.

6.1.10 How are the following values reflected in various functions of the college? Contributing to the national development, fostering global competencies among the students, inculcating a value system among students, promoting use of technology, quest for excellence

The wide range of curricular, co-curricular and extracurricular activities undertaken by the college reflects the values of higher education.

Contributing to national development:

The College:

- Presents intellectually mature, morally upright and socially responsible youth to society.
- Produces industry-ready, qualified human resources to drive the nation's economy – students of the college are placed in prestigious industries.
- Strives to promote social inclusion through efforts designed to mainstream SC/ST/OBC, economically weak and differently-abled students.
- Actively engages itself in research and consultancy leading to the creation of new knowledge.
- Undertakes meaningful extension activities thereby contributing to community development – Annual **NSS and Social Work camps** are conducted in backward rural and tribal areas; **socio-economics surveys** are carried out and the outcomes are placed before concerned authorities; **women-empowerment** programmes, **free medical camps and sapling plantation** programmes are undertaken; **commemorative days** such as International Women's Day, World Environment Day and International Year of Chemistry and Mathematics are observed; Communal harmony rallies are organized.
- Contributes towards the enhancement of gross enrolment ratio by starting new programmes and obtaining approval for higher intake/additional section in existing programmes.
- Promotes students' participation in NSS, and Youth Red Cross activities to bring about orientation towards community service.
- Invites freedom fighters and social activists to infuse a spirit of nationalism among students and staff during the celebration of **Independence Day, Republic Day**.

Fostering global competencies among students

- Continuous updating of curricula in keeping with global standards – autonomous status has helped the college in this respect.
- Collaboration with national and international institutes of higher learning, with respect to

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programmes and projects.

- Hands on experience and bringing out creativity among science students
- Offering programmes in areas that have global appeal- viz., **Human Resource Management, Financial Management, Banking, Taxation, Monetary Economics, Human Rights Education, Tourism, Web Designing, Industrial Microbiology, Animation and Visual Effects.**
- Offering research-oriented interdisciplinary postgraduate programmes such as **Biotechnology, Biochemistry and Social Work** and postgraduate programmes in basic science such as Physics, Chemistry and Mathematics.
- Placing strong emphasis on English and computer-skill enhancement

Inculcating a value system among students

- Imparting moral/ethical education to help students imbibe the timeless values of life such as love, compassion, truth and integrity. **A series of lecture programmes on moral/ethical education were conducted.**
- Promoting **value based courses**
- Developing sportsmanship, leadership and cultural ethos through sports, cultural and other extracurricular activities
- Promoting social consciousness by offering programmes in **Social Work and Human Rights Education**
- Introducing courses in **Yoga**, thereby promoting physical and mental well-being
- Instilling a spirit of compassion, brotherhood and love for nature while observing **commemorative days** such as **International Women's Day, World Social Work Day** and **Environment Day.**
- Introduction of ethics-oriented subjects

Promoting use of technology

- Technology driven programmes are offered
- Computer Applications is offered as a compulsory subject in undergraduate programmes and Computer Fundamentals is offered as an open elective course in postgraduate programmes
- Students are encouraged to **submit assignments online**
- The college is progressing towards e-governance and **MIS** is in the software testing stage. Shortly, staff members will be able to access data from anywhere with user authentication.
- The college has **computers with the latest configuration**
- The entire college is connected with **LAN**
- **Wi-Fi facility** is available at important locations of the college
- The teaching-learning process is ICT enabled – **classrooms are equipped with LCD projectors**, one with a **Smart Board**

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- andsomedepartmentsmakeuseof**NationalProgrammeforTechnologyEnabledLearning**
- Thestate-of-the-artlibraryisequippedwith**INFLIBNET**facility,e-books andjournals
 - Informationisdisseminatedthroughthecollegewebsiteandprovisionismade to download application forms through thewebsite
 - Thecollegeisequippedwithaseminarhallwithmultimediafacilityandastate -of -the -art **auditorium with advancedacoustics**
 - State-of-the-art**instrumentation**isavailable inthefieldof**Biotechnology, Biochemistry, Chemistry andPhysics**
 - The **computerized language lab** is equipped with consoles and amaster computer system

Quest forexcellence

- The college involves all stakeholders to promoteparticipativemanagement at allevels
- Emphasis is placed on staff and student enrichment programmes andassuch seminars, conferences and workshops have beenorganizedinthelastfouryears.Staffandstudentsalikearealsoencouraged to participate in such programmes outside thecollege.
- Thecollegestrivestowardscontinuousimprovementbyusingstakeholderfeedback and staff appraisal resultsconstructively
- Withhighimpetusbeingaccordedto researchandpublication,teachersareengagedin**minorandmajorresearchprojects**.Theresearchendeavoursoftheteachersfindexpressionin**Journal**the peer reviewed journal published by the college. Interdisciplinaryandcollaborative research isencouraged.
- Outstandingachievementbystudentsandstaffalikeinanyfacetofthecollege'sfunctionalarerecognizedandrewarded,therebyillustratingthat excellence ranks high in the college's list ofpriorities.
- **Blended method of teaching** with a right mix of traditional and ICTenabled methods areused
- Questforexcellenceistheprimaryobjectiveofthe**InternalQualityAssurance Cell** which is continuously involved in planningandimplementingdevelopmentinitiativesandevaluatingthesameagainsttheset benchmarks

6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance

The UGC autonomy review committee after visiting every department,classrooms, laboratories, library, hostels and interacting with all the stakeholders has given the following recommendations. The college has takenmeasures for further improvement.

Recommendation - 1 The social science component can be introduced toprovide a better therotical grounding and wider understanding of society andculture and to provide a sound foundation for the application-orientedcourses. For example: Sociology, Social Work, Home Science, RuralDevelopment etc. A strong UG and PG courses in Sociology is desirable.

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Action taken - Social science component has been incorporated in Social Work, Journalism, Rural Development, Political Science and Home Science Curriculum

Recommendation - 2 To redesign curriculum of Home Science keeping in mind the latest development in the field

Action taken - The Curriculum of Home Science has been redesigned. The topics included are Kitchen planning, Food pyramid, flower arrangement, human development and family planning relations and other practical components

Recommendation - The hostels and the canteen can be modernized.

Action taken - Hostels are modernized. In hostel common rooms are provided with reading materials.

6.2 Strategy Development and Deployment

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy, teaching and learning, research and development, community engagement, human resource planning and development, industry interaction, internationalization

The college has short term and long term plans for improving the institutional competency to ensure best teaching-learning experience and excellence in performance. The plan is developed through discussion at different levels. The opinions are pooled and an action plan for implementation is drawn up. In the annual meeting discussions on aspects like additional infrastructure, new programmes, up gradation of infrastructure, improvement of support services, college expansion, and strategy to excel in academic and extracurricular activities, financial implications etc are considered.

The perspective plan of the college includes the following areas:

1. Teaching and learning:

- Enhance ICT based teaching
- Enhance digital resources
- Increase participatory and experiential learning
- Some of the outcomes of perspective plan are:
- Establishment of learning resource centre
- Establishment of community radio station
- Introduction of practical in languages

2. Research and development

- Strengthening research and publication in every department
- Enhance number of staff with Ph.D qualification
- Strengthen collaborative research
- Upgrade research lab
- Enhance the number of major research projects

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- Encourage publication/presentation of staff/student projects

3. Community engagement

- Ensure that every department is actively engaged in community-oriented activities
- Enhance activities for making a more civilized society

4. Human resource planning and development

- Organize programmes skill up-gradation
- Enhance the number of visiting faculty Popularize virtual mode of teaching
- Enhance staff exchange programmes

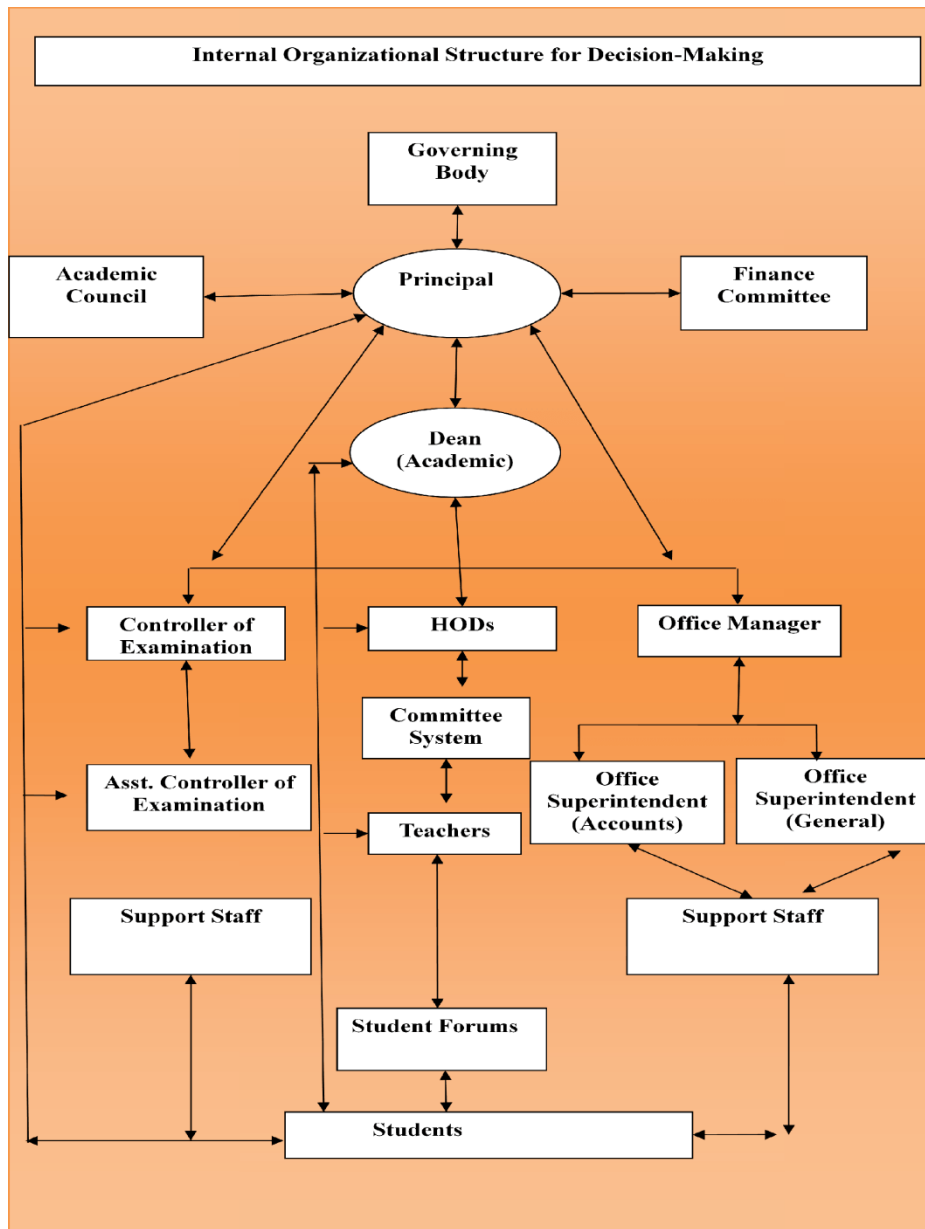
5. Industry interaction

- Establish a long term linkage with industries
- Partnering with industry for teaching learning activity **Internationalization** to attract foreign students

6.2.2 Enunciate the internal organizational structure of the college for decision making processes and their effectiveness

The institution adopts a participatory approach towards decision-making and therefore the above organizational structure for decision-making has been found to be effective. It not only provides for decentralization but effective upward, downward and lateral communication.

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6.2.3 Specify how many planned proposals were initiated / implemented during the last four years. Give details.

During the last four years the following planned proposals were initiated and implemented.

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Proposals were implemented

S. No	Sponsor	Programme	Title	No. of days	Amount
01	Central Institute of Classical – Tamil , Chennai	Workshop	Tamil Chevviyal Ilakkiyangalil Samugaviyal velippadu	10 Days	2,50,000/-
02	Central Institute of Classical – Tamil, Chennai	Seminar	Tholkappiya marabu	3 Days	1,50,000/-
03	DST- FIST	For Infrastructure Development	-	2014-2017	30,00,000/-

Proposals were initiated

S. NO	DATE	Principal Investigator & Co-Investigator	Ref. No	TITLE OF THE PROJECT	CONTACT ADDRESS	AMOUNT
1	30.07.2015	Dr.T.Selvankumar	MASC/BT/PR/2015-DBT	Conopeptide Targeting Therapeutic Effect on Hormone Dependent HPV Associated Cervical Cancer	Dr. S. U. Ahmed Scientist "D" Department of Biotechnology Ministry of Science Technology Government of India New Delhi.	79,00,000/-
2	18.05.2015	Dr.T.Selvankumar	MASC/BT-PRO/99/2015	Biotechnological Approach for Sustainable Bio-Energy Development (BASBED)	SERB (Seminar/Symposium scheme) Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi - 110016	80,000/-
3	01.04.2015	Dr.T.Selvankumar	MASC/Seminar	The Stem Cell Niche in	The Joint Secretary,	1,40,000/-

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			Proposal/6 4/2015	Health and Malignancy	South Regional Office, A.P.S.F.C. Building, 4 th Floor, 5-9-194, Chiragali lane, Hyderabad-500 001 (A.P.).	
4	28.03.2 015	For Institution	MASC/58 /2015	Deen Dayal Upadhyay Kaushal kendas (KAUSHAL)	Prof. Dr.Jaspal S.Sandhu Secretary, University Grants Commission (UGC), Ministry of Human Resource Development, Government of India, Bahadur Shah Zafar Marg, New Delhi – 110 002.	5Crores-
5	28.03.2 015	For Institution	MASC/ 57 /2015	Bachelor of Vocation (B.Voc) Programme In Universities and Colleges Under the National Skills Qualifications Framework (NSQF)	Prof. Dr.Jaspal S.Sandhu Secretary, University Grants Commission (UGC), Ministry of Human Resource Development, Government of India, Bahadur Shah Zafar Marg, New Delhi – 110 002.	2 Crores
6	15.12.2 014	Dr. Vennila	-----	Recent Advances In Chemistry And Materials Science (RACMS- 2015)	The Member Secretary, DOTE Campus, Tamilnadu State Council for Science and Technology Chennai – 600 025	2,00,000 /-
7	11.12.2 014	PI - Dr.T.Selvank	MASC/B T-	Proposal for setting up of	Dr.T.Madan Mohan,	For Center

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		umar Co-ordinator – Dr.V.Aroulm oji	PRO/2014 /940	Bioinformatic s Infrastructure Facility	The Director, Department of Biotechnology, Block No.2, 7 th floor, CGO Complex, New Delhi- 110003.	Establis hment
8	27.11.2 014	PI - Dr.T.S.Gnane ndra Co-I - Dr.V.Aroulm oji	MASC/B T- PRO/2014 /917	Structure Based Drug Designing, High throughput screening for designing Novel RNA Dependant RNA Polymerase (Rdrp) Inhibitors For Ebola Virus	The Member Secretary, Tamilnadu State Council for Science and Technology DOTE Campus, Chennai – 600 025	4,80,000 /-
9	26.11.2 014	PI- Dr.T.Selvank umar Co-I - Dr.V.Aroulm oji	MASC/B T- PRO/2014 /915	Development of Bio- pigment based Biosensitized Nano Hybrid Materials for the Enhancement of Photovoltaic and Energy Transfer Properties	The Member Secretary, Tamilnadu State Council for Science and Technology DOTE Campus, Chennai – 600 025	4,90,000 /-

Management Sponsorship

S.No.	Date	Program	Activity	Beneficiary/Remarks
1	02.05.2015 10AM – 11AM	Special Lecture	Dr.S. Thinakaran Head Dept. of Biotechnology Madhura College	UG, PG, M.Phil., & Ph.D scholars of Biotechnology.

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			Madurai. Recent Trends in Stem cell Research	Around 110 students participated
2	02.05.2015 03AM – 04AM	Special Lecture	Dr. T. V. Venkateswaran Scientist” F” Division Head: Science Communication Training, Vigyan Prasar Dept. of Science & Technology, New Delhi. Dark Matter and Dark Energy	UG, PG, and M.Phil., scholars of Physics. Around 125 students participated
3	3.05.2015 10 AM -11 AM	Special Lecture	Dr. R Ramanujam Professor Institute of Mathematical Sciences, CIT Campus, Chennai. The Mathematics of Dividing the Resources Equitably	UG, PG, and M.Phil., scholars of Mathematics. Around 120 students participated
4	18.07.2015	Faculty Development Programme on “SEED”	Kalaimamani Cheyon, I.B.S Former Director All India Radio Chennai and Dr.RAJESHWARI MURUGAN Freelance Trainer Self – Development Programs Chennai.	Faculty Members 110 members participated.

6.2.4 Does the college have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

As stated in the mission of the college, there exists a quality policy. As per this policy the college gives 100 percent attention to bring quality in the functioning of the college. Quality policy is designed by the core committee taking into consideration the priorities in educational sectors at the national and international level and the competencies of the institution. IQAC acts as a nodal agency and monitors quality parameters and benchmarks for various academic and administrative activities. Statutory bodies like the core committee and the stakeholders monitor the quality of services.

The institution undertakes to achieve its objectives by respecting the following

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Institutional quality policy. It aims at:

- Empowering the students by adopting participatory teaching learning methods
- Optimum use of ICT for better learning experience Continuous upgradation of knowledge and skills
- Making all efforts to provide a strong value base
- Strongly believe that national interest is greater than personal accomplishments.

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

The grievances and complaints are resolved effectively through:

- Grievance redressal cell, women grievance redressal cell, anti-ragging squad and discipline committee
- Parent-teacher interaction, mentorship, student welfare committee
- Staff association, staff grievance redressal cell
- Personal meetings with the Principal and staff

Grievances, whatever may be the kind, are thoroughly analyzed and necessary steps are taken to avoid its recurrence

6.2.6 Does the college have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

The college has a unique practice of weekly appraisal of facilities and services by the students. Annual feedback of teachers by students is done through software. Weekly performance appraisal is also done to improve campus facility. The institution responds quickly to address the issues. The average score of the teacher is compared with the department as well as institutional average and forwarded to the respective teacher. Weak performers are given guidance and support. Feedback on institutional performance has led to an improved system and quality enhancement in all areas

6.2.7 In what way the affiliating University help the college to identify the developmental needs of the College?

The university committees visit the college every year in connection with affiliation for the new courses and to review the autonomous status. They guide the college regarding its developmental needs. Officials and faculty of the university as members of the academic council, boards of studies and guest speakers, guide the institution about development opportunities.

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, in what way College is benefitted?

Yes, the University has a College Development Council which helps the college in the following ways:

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- Recommending teachers to UGC faculty development programmes
- Assisting in the procurement of UGC grants
- Forwarding applications for new programmes
- Evaluating the College for Grant of CPE Status by UGC
- Forwarding proposals to UGC
- Obtaining research center status
- Organizing periodic workshops and meetings with stakeholders to evolve policies and strategies
- Guiding during University Review, UGC Autonomous Status Review and NAAC Assessment and Accreditation

6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?

The college firmly believes that constructive use of feedback from all stakeholders will go a long way in the overall development of the college.

Feedback from teaching and non-teaching staff

Teachers express their views and opinions in department council meetings.

Both teaching and non-teaching staff may express their views during staff council meetings. The suggestion box may also be utilized to put forth their ideas/concerns.

Feedback from parents

Feedback is collected from parents during parent-teacher meetings, when they visit the college during admission and during Graduates' Day.

Feedback from Alumni

Alumni provide feedback during alumni association meets, during Graduates' Day and when they visit the college to informally interact with their teachers. Feedback is also obtained from alumni who serve on the Boards of Studies of some departments. The feedback so obtained is put to constructive use wherever possible.

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

Yes. The college itself being an autonomous one encourages autonomy to its departments in letter and spirit. The following functions discharged by departments reflect the autonomy enjoyed by them.

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Curriculum designing

- Departments are given the academic freedom to design their own curriculum within the broad framework provided by the UGC and parent University
- Departments also have the freedom to propose the introduction of new programmes

Accountability

Curriculum is designed by the BOS within the framework of regulations and is placed before the Academic Council and Governing Body for final review and approval.

Teaching Learning and Evaluation

- Departments have the freedom to use different methodologies to fulfill their teaching-learning objectives. Student-centric methods such as seminars, assignments and group discussions are used by some Departments while others have incorporated field visits and case studies
- Departments are permitted to develop their own assessment criteria and plan their own continuous assessment schedule

Accountability

- The teaching-learning process is subjected to both internal and external academic audit every year
- Feedback on teaching performance is also obtained from students
- Question-papers set are scrutinized by the Boards of Examination to verify if the questions are within the framework of syllabus
- The office of the Controller of Examinations ensures that examinations are conducted as per regulations
- Examination results are analyzed and loopholes, if any, are identified and corrective measures are initiated
- Students are given the opportunity to review their internal assessment test scripts and assignments and enquire about discrepancies, if any

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Organizing special lectures, seminars, conferences and workshops

- Individual departments enjoy a free hand in arranging special lecture programmes, conducting seminars, conferences and organizing field trips and academic tours.

Accountability

- The concerned departments are accountable to the college in aspects such as effective organization of events and financial matters.

Annual Plans

- An annual planning exercise is undertaken by every department. This provides them with the opportunity to identify developmental needs such as infrastructural requirements, new books and journals, equipment, etc., and propose the same to the college administration.

Accountability

- All departmental annual plans are reviewed by the college administration and concerned heads are invited for discussion.

6.2.3 Does the College conduct performance auditing of its various departments?

Yes, two performance audits - one internal and the other external - are carried out annually.

Internal Audit

An internal audit is carried out by the Internal Academic Audit Committee constituted by the Principal. Some of the parameters considered during the audit include learning infrastructure and resources, teaching plan and its implementation, courses proposed to be introduced in future, innovations in curriculum design and transaction, quality of teaching and learning and measures, if any, needed for its enhancement.

External Audit

An external audit is carried out by the Academic and Administrative Audit Committee constituted by the Management. This audit assesses the overall performance of the college with respect to curricular aspects, support services, enrichment programmes, infrastructure, student placement, research, extension and consultancy, governance, learning outcomes, examination reforms, etc.

These two annual exercises help the college in understanding its strengths and weaknesses and in formulating development plans. Apart from these two annual audits, the college is subjected to an audit by the **AAACo mmittee** (Academic and Administrative Audit Committee) constituted by the Management **once in three years**.

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6.3 Faculty Empowerment Strategies

6.3.1 What efforts are made by the college to enhance the professional development of teaching and non-teaching staff?

The college organizes capacity building programmes for both teaching and office staff. Faculty are deputed to participate in academic conferences/seminars /workshops / symposia, encouraged to pursue research. The ICT enabled campus has facilitated both teaching and non teaching function effectively, in most of the cases through paperless mode.

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions

Major decisions are :

- Providing additional AV rooms & Digital contents
- Enhancing interaction with teachers and mentorship
- To initiate career mentorship programme

6.3.3 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The college has the following welfare schemes:

- Accommodation facility is available for 52% staff
- Health Insurance Scheme (optional) facility is extended
- Group insurance scheme – 100% for aided staff
- Earned leave facility is extended to all (100%)
- Cooperative store service is offered – All staff
- Interest free emergency loan for non teaching staff is available
- Interest free loan for purchase of laptop is available
- Staff welfare fund is used for lending loans to both teaching and nonteaching – All are members of staff welfare fund

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

The college has adopted employee friendly regulations. The staff like to work in the institution for the good working ambience, good infrastructure, periodic pay revision, regular and timely payment to management staff, academic freedom to revise syllabus, pattern of examination and evaluation, formation of BOS and BOE. The staffs are encouraged to attend seminars, workshops, symposia and conferences at national and international level. They are also motivated to take up higher studies and guide-ship and research in the campus. The selection process purely on merit basis is another reason why eminent faculty like to join this college and work

6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

The college conducts a gender composition audit every year. In addition, members of the **Women's Cell** informally interact with women of the college and find out whether the institutional environment makes them feel safe and secure and whether they have equal access to the resources of the college. Such interaction sessions are useful in identifying and subsequently catering to the special needs of women.

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6.3.6 Does the college conduct any gender sensitization programmes for its staff?

The academic departments of the institution prioritize gender issues in holding talks and discussions for the staff. The women development cell conducts gender sensitization programmes periodically for both staff and students.

6.3.7 What is the impact of the University's UGC- Academic Staff College Programmes in enhancing competencies of the College faculty?

- The University's UGC- Academic Staff College Programmes have resulted in upgradation of subject knowledge and teaching competencies.
- The college is recognized for conducting a fifteen days' refresher course in the area of 'Electromagnetism and classical mechanics' by the Academy of Sciences.
- Large number of teachers attended the refresher and orientation programmes conducted by the UGC.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

- Budget is prepared at the beginning of every year.
- Finance committee makes fund allocation based on need.
- Budget approval is done through email by the Principal to the departments and committees.
- Quarterly review of budget v/s actual is done by the management.
- Annual financial statement is presented at the managing committee meeting at the end of the academic year.

6.4.2 Does the College have a mechanism for internal and external audit? Give details.

- The statutory audit is conducted at the end of the financial year.
- Internal audit by the audit team of management is done periodically.
- The audit by the State Accounts Department was carried out and audit by AG's Office (Account and General's office) was done.
- The recommendations of the auditors are used for improving accounting procedures.
- Accounts of the college are also audited by the Office of the Indian Audit and Accounts Department.

6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years?

The audited income and expenditure statements are enclosed in Annexure.

Have the accounts been audited regularly? What are the major objections and how are they complied with?

Yes, all accounts of the college are audited regularly and **no major audit objections have been raised.**

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6.4.5 Narrate the efforts taken by the College for resource mobilization

Information regarding the availability of funds from funding agencies like UGC (University Grants Commission) collected by a separate committee and circulated to all the staff. College has also submitted proposals to state government for financial support.

6.4.6 Is there any provision for the college to maintain the 'Corpus Fund'? If yes, give details.

- Collection of tuition fees, admission fees from students are the major source of institutional income.
- The deficit if any is managed by the management
- The audited income and expenditure statement for 4 years is available.

6.5 Internal Quality Assurance System

6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.

Yes, the college is subjected to three academic and administrative audits annually.

- An **internal audit is carried out by the Internal Academic Audit Committee** constituted by the Principal. The committee focuses on aspects such as working days, workload, timetable and teaching plan, quality of teaching and learning and innovations in curriculum design and transaction. This committee also audits the administrative aspects.
- An **external audit committee constituted by Management** carries out audit of the academic and administrative departments of the college.
- The **University Autonomous Review Committee** conducts annual academic and administrative audits.
- These three annual exercises have helped the college in understanding its strengths and weaknesses and in initiating development measures.

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the college to improve teaching, learning and evaluation?

The following measures have been taken:

- Addition of ICT facility and AV rooms
- Extension of library hours
- Encouragement to research
- Initiated recorded lectures
- Introduction of online exams to save time

6.5.3 Is there a central body within the college to continuously review the teaching – learning process? Give details of its structure, methodology of operation and outcome?

- The core committee consisting of principal, vice-principal, deans and registrars monitor the academic performance of the department
- Recognition of staff who engage 100% classes
- Weekly reporting of classes engaged by the staff
- Maintenance of work diary

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- Based on the suggestions of the core committee, computerized mechanism for monitoring classes “**scheduled v/s engaged**” is initiated

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

- IQAC plays a prominent role in ensuring quality in institutional process
- periodical review of activities enables institution to take up timely improvement measures

6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

- The IQAC has external members from the sister organizations/Institutions on its committee.
- The suggestions brought out by the external members for the development of curriculum, improvement of teaching- learning process, evaluation of students and staff during and after each semester

6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

Yes. The study on the incremental academic growth of all students is regularly undertaken. Based on those findings, initiatives are implemented to enhance the academic growth of all students. They include monitoring by mentors, providing remedial coaching, additional books and support services etc.

6.5.7 What policies are in place for the periodic review of administrative and academic Departments, subject areas, research centers etc.?

Administrative:

- The administrative responsibilities are clearly defined month and section wise and are given to concerned staff
- Week-end feedback is collected regarding timely submission of the assigned tasks
- Discussions on performance / strategies, additional support and facilities required in monthly meetings

Academic:

- Monthly meeting of departments/ HOD'S/QAC
- Periodic meetings of faculty with principal, deans and registrars
- Reports of the Committees are discussed in the QAC and suggestions are implemented
- Submission of monthly activity reports to the management
- Daily report of classes not engaged
- Weekly report of 100% classes engaged

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Additional information on governance, leadership and management

A well developed system of reporting the works of various units

1. Report of classes engaged by the teachers as per scheduled v/s engaged -weekly, monthly, semester end
2. Reasons for classes not engaged – weekly
3. Report of student attendance (100% & below 75%) – monthly, semesterend
4. Work completion report (office staff) - weekly
5. Report of pending matters - Weekly
6. Department wise library usage
7. Total average library usage - day wise, weekly, monthly
8. Institutional Education Standard Assessment(IESA) Reports
9. Staff Appraisal – individual, department, institution
10. Staff Evaluation
11. Weekly Survey
12. Random Department Assessment
13. Activity Reports
 - Department
 - NSS
 - Eco Club
 - Hobby Circle
 - Cultural Activities
 - Literary Association

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CRITERION VII: INNOVATION AND BEST PRACTICES

Innovative approach and unique practices enable an institution to enhance academic excellence and also to serve the student community better. Efforts of the college in the direction of innovation and adoption of best practices are described below.

7.1 Environment Consciousness

The college has an eco-friendly campus which contains rich plant wealth comprising of lofty trees, shrubs, number of ornamental plants and plants of medicinal value. The campus is eco-conscious and is maintained as "NO PLASTIC AND NO SMOKING ZONE".

The College adopts a Environment Management System in line with ISO14001:2004 and the campus is certified by an International certification body.

1 Does the College conduct a Green Audit of its campus?

Yes. The college has undertaken the Green Audit of the campus.

- Besides the Green Audit by professionals, the green wealth of the college was audited by students and faculty members as a part of the project.
- The study of these plants facilitated the easy identification of plant species.
- Plants in the campus serve different purposes like reducing the ill effects of pollution, providing shade and habitat for birds and insects and conservation of the environment.

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly? Energy conservation, Use of renewable energy, Water harvesting, Check dam construction, Efforts for Carbon neutrality, Plantation, Hazardous waste management, e-waste management, any other

* Energy conservation

The college classrooms are well ventilated and lit. Energy conservation initiatives such as installation of CFLs and LEDs helped a lot in conservation of energy. All classrooms are provided with fans and CFLs and they are used judiciously by the staff and students. The college also has uninterrupted power supply systems. In the hostels solar panels are being used to conserve electricity (heating purpose).

* Use of renewable energy

The college has already installed solar panels at women's hostel which is used for heating purpose. The college is planning to take up the programmes regarding the use of renewable energy by installing solar lamps in the campus.

* Water harvesting

Rain water harvesting facility has been created in the campus

Benefits:

- Rain water is used for watering for the gardens in the campus.
- * **Check dam construction**

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There is no provision for check dam construction in the campus.

* **Efforts for Carbon neutrality**

The college has taken up the following measures to check the emission of CO₂:

- Tree plantation programmes
- Fresh litter (fallen leaves) used for vermi-composting instead of burning and vermi compost is given to community by the college.
- Waste generated by the classrooms and the college is managed by composting instead of burning.
- **Segregation of plastic wastes** is being done with an aim of recycling.
- Use of disposable plastic tumblers in the canteen and departments is strongly discouraged and use of **paper plates and paper cups** is encouraged.
- Display of permanent boards focusing **Eco-concerns, 3 "R" s (Reduce, Reuse and Recycle)** to make students eco concerned.
- The campus has well-manicured lawns, a botanical garden and a herbal garden.

* **Plantation**

The college has taken initiatives to keep the campus green by maintaining

- Botanical garden
- Herbal garden
- Greenhouse
- Glasshouse

* **Hazardous waste management**

Hazardous chemicals to be used, if any, are used minimally during practical classes and the waste generated is disposed off according to standard disposal norms prescribed.

* **e-waste management**

e-waste management has been adopted in our college campus by taking following measures:

- i) Donating old electronic equipment like monitor, keyboard, cabinet, motherboard, etc., to schools.
- ii) Going for buy-back scheme or auction for equipment like battery, CPU, digital electronics kit, microprocessor kit, etc., if they are not working.
Safe disposal of completely damaged items like dry cells, wires, registers, capacitors, tube lights, etc., according to City Corporation Norms

7.2 **Innovations**

7.2.1 **Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

The college has made several innovations during the last four years which have helped in the smooth functioning of the college.

- Orientation programmes are conducted to incorporate the latest technology and innovative methods in teaching and learning.
- Hands-on experience workshops are conducted for both students and staff members.
- Remedial classes and student peer teaching for slow learners and seminars and challenging

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assignments for fastlearners.

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- Industrial visits, educational tours are organized for students.
- Project work and internship.
- ICT enabled methods are adopted for teaching.
- Placement cell of the college organizes Personality Development Programmes for students
- Computerized Language lab has been set up to facilitate communication skills.
- Mentorship system is in practice to monitor academic as well as personal development of students
- Parents are kept informed of their wards' attendance.
- Youth Red Cross and Scouts units have been started in the college.
- College is publishing a biannual research journal.
- Alumni association organizes career guidance workshops for outgoing students
- Rainwater harvesting facility has been created.
- Students are encouraged to take up funded projects on special topics.
- Collaborative and interdisciplinary researches have been undertaken.

7.3 Best Practices

7.3 BEST PRACTICES

1. Title of the practice – Peer Teaching

2. Objectives of the Practice

(a) To enable the students to understand the subject in a better way

(b) Underlying principles/concepts:

Under this practice, the bright students are asked to take classes for average and below average students after 4.00 pm every day. This practice makes the average and below average students in easy and understandable manner. They feel comfortable in clarifying all doubts when they are taught by fellow students. It is also the way disciplining them and put them on a right track. The Peer group is selected based on their knowledge, expertise and marks scored by them in assessment and evaluation.

3. THE CONTENT:

Challenging issues to be addressed while implementing this practice:

Identifying the Peer group poses a huge challenge. Though we use performance as the yardstick in identifying them, still it works only partially. The reason for this is lack of interest in this peer group in teaching the fellow students. On the other side, the average and below average students are reluctant to stay and attend the classes after 4.00 pm. We address these challenges by conducting meeting of

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the peer group, encourage and motivate them above the value and satisfaction they derive from these yeoman service. We also clearly instruct the average and below average students to sincerely participate in these classes and involve themselves in a dedicated and whole-hearted manner.

4.UNIQUENES OF THIS PRACTICE:

In catering higher education, like ours, to the students with rural backgrounds, this peer teaching practice prove to be a big hit. Since most of our students are from marginalized and disadvantaged groups, these groups feel comfortable in learning the subjects through their fellow classmates. Further , they feel at ease when they are being taught by their friends and constructive deliberations are taking place in these forums.

5.EVIDENCE OF SUCCESS:

We used to set University results and changes in the behaviour of students as our parameters for the success of this practice. So far , the University results and students behaviour indicates a very positive note on the success this practice.

Best Practice # 2

1.TITLE OF THEPRACTICE: Clean Environment

2.OBJECTIVE OF THEPRACTICE:

To keep campus and surroundings clean with the help of the students.

3.UNDERLYING PRINCIPLES AND CONCEPTS :

Under this practice, students are being taught about keeping the campus clean by organizing mass cleaning program in the campus once in a week. Further, students are told to create an awareness among the their near and dear once about the importance of keeping the place clean and how their activities positively contribute to protect the environment clean from dust and pollution. Through this practice, a sense of social responsibility is created in minds of students so that they become societal and environment-conscious citizens of tomorrow.

3.THE CONTENT:

Challenging issues to be addressed while implementing this practice:

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The students of present day are very ignorant and careless about the damage caused to the environment due to their irresponsible way of throwing wastages, thereby tilt the balance of environment. The onus of changing this attitude of students squarely lies on us. So we teach our students regularly about the need to keep our environment clean always. Though they were reluctant at the beginning by showing no interest in such teachings, slowly they begun to show interest and we see perceptible change in the mindset of students and now they really contribute positively to keep the environment clean by voluntarily undertaking mass cleaning programme in the society in general and our college in particular.

4.UNIQUENES OF THIS PRACTICE:

Through this practice, we completely change the careless attitudes of students. After implementing this practice, our students become environment-conscious. They themselves voluntarily organize skits and programmes at the villages to create an awareness among village people to keep environment clean. Once in 15 days , they visit villages and undertaking mass cleaning programme of wells, tanks and ponds in villages.

5.EVIDENCE OF SUCCESS:

Students are asked to report to the college authorities a report and stating their contributions towards protecting environment once in 15 days which is certified/ authenticated by Head of the Department/ Village Administrative Officer, as the case may be . The success of this practice is evidenced by positive change in the attitude and behaviour among students and appreciations from people of villages where our students conduct mass cleaning programme.

EVALUATIVE REPORT OF THE BIOTECHNOLOGY DEPARTMENT

1.	Name of the Department	BIOTECHNOLOGY
	Year of Establishment	2002
2.	Names of Programmes/Courses	B.Sc. Biotechnology (2002 – 2003) M.Sc. Biotechnology (2002 - 2003) M.Phil. Biotechnology (2005 - 2006) Ph.D. Biotechnology (2005 - 2006)
3.	Interdisciplinary Courses and	-Nil-

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	Departments involved				
4.	Annual/Semester/Choice Based Credit System	Semester & Choice Based Credit System			
5.	Participation of the department in the courses offered by other departments	Course		Department	
		Nil		Nil	
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
		-	-	09	09
7.	Faculty Profile				
	Name of the faculty	Qualification	Area of specialization/ Interest	Years of Experience(as on 31.07.2015)	No. of PhD students guided in the last 4years
	Dr. T.Selvankumar	M.Sc., M.Phil., Ph.D.	Microbiology & Environmental Biotechnology	16.9 yrs	M.Phil.- 5 PG – 14
	Dr. T.S.Gnanendra	M.Sc., M.Phil., Ph.D.	Bioinformatics	9.2 yrs	Nil
	Mrs.R.Rathika	M.Sc., M.Phil., SLET.	Biochemistry	11.8 yrs	M.Phil. – 12 PG – 9
	Mr.A.Sengottaiyan	M.Sc., M.Phil.,	Biotechnology	10.0 yrs	M.Phil. – 5 PG – 6
	Mr.R.Thirumalaisamy	M.Sc., M.Phil.,	Biochemistry	7.11 yrs	PG – 5
	Mrs.R.Kanimozhi	M.Sc., M.Phil.,	Microbiology	6.10 yrs	-
	Dr.P.Thangavel	M.Sc., M.Phil., Ph.D.	Botany	4.2 yrs	M.Phil. – 4 PG – 4
	Mr.P.Thiyagarajan	M.Sc., M.Phil., DISM.	Biotechnology	4.1 yrs	PG - 9
	Mr.B.Rathinam	M.Sc., M.Phil.,	Microbiology	1.3 yrs	PG -2

8.	Percentage of classes taken by temporary faculty-Programme-wise information	Nil			
9.	Programme-wise student teacher ratio	Programme		Student teacher ratio	
		B.Sc. Biotechnology		20:1	
		M.Sc. Biotechnology		10:1	
		M.Phil. Biotechnology		3:1	
		Ph.D. Biotechnology		5:1	

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10.	Number of Academic Support Staff (technical) and Administrative Staff	Lab Instructor- 01 Lab Assistant- 01		
11.	Number of faculty with ongoing projects from a) national b) international c) Total grants received. Mention names of funding agencies and grants received project-wise	Nil		
12.	Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received	DST-FIST- Rs.30,00,000/- (2014-2017)		
13.	Research Facility/Centre with State Recognition National Recognition International Recognition	M.Phil.,& Ph.D., - Research Center, Recognized by Periyar University, Salem.		
14.	Publications	National	International	Total
	Number of papers published in peer reviewed journals (national/international)	06	55	61
		Enclosed Annexure I		
	Monographs	Nil		
	Chapter(s) in Books	Nil		
	Editing Books	Nil		
	Books with ISBN numbers with details of publishers	Nil		
	Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Science Directory, EBSCO host, etc)	31		
	Citation Index – range/average	20		

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	SNIP	Nil			
	SJR	Nil			
	Impact factor-range/ average	0.2 to 4.7/ 1.3			
	h-index	Nil			
15.	Details of patents and income generated	Nil			
16.	Areas of consultancy and income generated	Nil			
17.	Faculty recharging strategies	Based on the student feedback faculty development programmes were conducted.			
18.	Student projects Percentage of students who have done in-house projects including inter-departmental	100%			
	Percentage of students doing projects in collaboration with industries/institutes	Nil			
19.	Awards / Recognitions received at the National and International Level by				
	Faculty	Nil			
	Doctoral /Post-Doctoral Fellows	Nil			
	Students	S.No	Course	Name	Title
		1	B.Sc. 2002- 2005	Yelchuri Ravikumar	1 st Rank (Gold medal)
		2	B.Sc. 2002- 2005	Venkatash J	5 th Rank
		3	M.Sc. 2003- 2005	Leelarani G	7 th Rank
		4	M.Sc. 2005- 2007	Rathikumari R	9 th Rank
		5	M.Sc. 2007- 2009	Vinitha Kasi Annapurna M	10 th Rank
		6	M.Phil. 2007- 2008	Syed Gulzadaumerul Hassan	8 th Rank
		7	M.Phil. 2007- 2008	Sila Moirangthem	10 th Rank
		8	B.Sc. 2007-2010	Sureka D	4 th Rank
		9	M.Phil. 2008-2009	Jevitha V R	10 th Rank
	10	M.Phil. 2009-2010	Goverthanam M	1 st Rank(Gold medal)	

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		11	M.Phil. 2009-2010	Kavitha Priya S		7 th Rank					
		12	M.Sc. 2010-2012	Sureka D		2 nd Rank					
20.	Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding any participants, if	S.No.	Particulars of the events organized								
		1	NIL								
		2									
		3									
		4									
21.	Student profile course-wise										
	Course	Year	Applications received	Selected			Batch	Pass Details			
				M	F	Total		No.app	No. passed	Pass%	
1	B.Sc.,	2008	20	11	4	15	2008-2011	15	12	80	
2	B.Sc.,	2009	28	13	8	21	2009-2012	20	16	80	
3	B.Sc.,	2010	15	5	6	11	2010-2013	11	9	82	
3	B.Sc.,	2011	25	10	8	18	2011-2014	18	17	94.4	
4	B.Sc.,	2012	14	9	3	12	2012-2015	9	5	55.5	
5	M.Sc.,	2009	10	2	1	3	2009-2011	3	3	100	
6	M.Sc.	2010	26	18	5	23	2010-2012	22	20	91	
7	M.Sc.	2011	10	7	2	9	2011-2013	9	8	89	
8	M.Sc.	2012	10	6	1	7	2012-2014	7	6	86	
9	M.Sc.	2013	20	5	11	16	2013-2015	16	15	94	
10	M.Phil.,	2010	5	1	2	3	2010-2011	3	3	100	
11	M.Phil.	2011	10	4	2	6	2011-2012	6	6	100	
12	M.Phil.	2012	10	5	3	8	2012-2013	7	7	100	
13	M.Phil.	2013	15	4	9	13	2013-2014	12	12	100	
14	M.Phil.	2014	10	2	4	6	2014-2015	6	-	-	
22.	Diversity of students										
	Name of the course	Batch	Students from the college		Students from the state		Students from other states		Students from other countries		Tot al
1	B.Sc	2011-2014	-	-	18	100%	-	-	-	-	100%
2	M.Sc	2011-2013	07	77.8%	02	22.20%	-	-	-	-	100%
3	B.Sc	2012-2015	-	-	09	100%	-	-	-	-	100%

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4	M.Sc	2012-2014	06	85.7%	-	-	-	-	01	14.28%	100%
5	B.Sc	2013-2016	-	-	34	100%	-	-	-	-	100%
6	M.Sc	2013-2015	06	37.5%	08	50%	-	-	02	12.50%	100%
7	B.Sc	2014-2017	-	-	58	100%	-	-	-	-	100%
8	M.Sc	2014-2016	11	84.5%	01	7.69%			01	7.69%	100%
10	B.Sc	2015-2018	-	-	68	100%	-	-	-	-	100%
11	M.Sc	2015-2017									
23.	How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations? Nil										
24.	Student progression	Student Progression		Percentage against Enrolled							
		UG to PG		85 %							
		PG to M.Phil.		30%							
		M.Phil. to Ph.D.		-							
		Employed									
		• Campus Selection									
		• Other than Campus Recruitment		90 %							
		Entrepreneurs		10%							
25.	Diversity of Staff	Percentage of faculty who are graduates									
		Of the same parent University							30%		
		From other universities within the State							70%		
		From other universities from other States							Nil		
26.	Number of faculty who were awarded Ph.D., D.Sc. and the assessment period.	3									
27.											
	a) Library	Enclosed Annexure II									
	b) Internet facilities for staff										
	c) Total number of class rooms	8									
	d) Class rooms with ICT facility	1									
	e) Students' laboratories	2									
	f) Research laboratories	1									

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28.	Number of students of the department getting financial assistance from College.	Nil		
29.	Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.	Nil		
30.	Does the department obtain			
	a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?	Yes. Feedback is obtained and proper follow up action is taken		
	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?	Yes, feedback obtained is suitably incorporated		
	c) Alumni and employers on the programmes and what is the response of the department	Actively Participated in Research and Placement activities with our department		
31.	List the distinguished alumni of the department (maximum 10)			
	Name	Current position		
1	Dr. M.Govarthanan	PDF- Chonbuk National University- South Korea		
2	Dr. S. Govindaraj	GC-MS Analyst – TUV-SUD South Asia Pvt. Ltd. Bangaluru.		
3	Mr. S. Karthik Kumar	Biotechnologist-Sun Pharma Laboratories Ltd. Mumbai		
4	Mr. A. Mohamed Imthiyaz	Market Research Analyst- Endosoft Inc. Sigma soft tech park- Bangaluru.		
5	Mr. Noushad Karuvantevidea	Lab Specialist- Biology Dept. Faculty of Science, UAE University		
6	Mr. L. Praburaman	Ph.D Scholar Chonbuk National University- South Korea		
7	Mr. Nisanth Narayanan Vaikath	Ph.D Student, Wallenberg Neuro Science Center- Lund University, Sweden		
8	Mr. Jithesh Ramachandran	QC- Pan Gulf Lab Solutions, Dubai.		
9	Mr. P. Mohanraj	Research Associate, Rasi Seeds, Attur, Salem.		
10	Mr. T. Senthil Kumar	Health Inspector, Health and Family Welfare Training Center, Chennai		
32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar)	Date	Guest Lecture	Topic
1		02.05.2015	Dr.S. Thinakaran Head Dept. of Biotechnology	Recent Trends in Stem cell Research

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	with External Experts.(*details are available in the department)		Madhura College Madurai.	
2		27.10.2014	Dr.Devaprakasam Deivasagayam Karunya University, Coimbatore	Applications of nanotechnology
3		13.10.2014	Dr.N.Sivakumar Madurai Kamarajar University, Madurai	Pro-biotics-antibiotic free aquaculture
4		10.02.2014	Dr.S.Umamaheshwari, Bharathidasan University, Trichy	Biotechnology in biopolymer production
5		08.10.2014	Dr.T.S.Gnanendra, Origene Biosolutions, Salem.	Perspective of bioinformatics in modern biology
6		28.02.2014	Dr.R.Dhandapani Periyar University Salem-11	Nanobiotechnology
7		28.09.2012	Dr.N. Sivakumar, Madurai Kamarajar University, Madurai.	Damage of streptococcus mutens biofilm by bacterial secondary metabolite
8		07.09.2012	Dr.M.Govindaraju, Bharathidasan University, Tiruchy	Biotechnology in sustainable environment
9		07.09.2012	Dr.V.Dakshinamurthy, Satate Director, WWF India, Tamilnadu.	Conservation of environment
10		19.09.2011	Dr.N.Pon Pandian, Bharathiyar University, Coimbatore.	Nanotechnology in biomedical application
11		09.09.2011	Dr.Nelson Jayakumar,Aimst University, Malaysia.	Mushroom cultivation
12		09.02.2011	Dr. Seralathan kamalakannan, Chonbuk National University, South Korea.	Biodegradation
33.	List the Teaching Methods adopted by the faculty for different programmes. Blended teaching methodology augmented with classroom seminars, group discussions and assignments,			
34.	How does the department ensure that programme objectives are constantly met and learning outcomes monitored? Objectives are constantly met by classroom teaching, discussion, assignments and outcome is monitored by test and end semester exam			
35.	Highlighttheparticipationofstudentsandfacultyinextensionactivities.			
36.	Give details of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars 10. State level seminar on “Beacon Biotech – 2009” Organized by Dept. of Biotechnology, Mahendra Arts & Science College, on Kalipatti20 th February 2009.			

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	<p>11. National Seminar on “Emerging Trends in Biotechnology”, Organized by School of Biosciences, Mahendra Arts & Science College, Kalipatti, on 18th and 19th February 2013.</p> <p>12. National Seminar on “Human Perspectives of Biotechnology”, Organized by Dept. of Biotechnology, Mahendra Arts & Science College, Kalipatti on 11th and 12th February 2014.</p> <p>13. Workshop on “Bioinformatics” Organized by Dept of Biotechnology, Mahendra Arts & Science College, Kalipatti on 8th October 2014.</p> <p>14. State level seminar on “Recent Trends in Biotechnological Approach” Organized by Dept. of Biotechnology, Mahendra Arts & Science College, Kalipatti on 13th October 2014.</p>
37.	State whether the programme/department is accredited/graded by other agencies. Give details. Nil.
38.	Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department
	<p>Strengths</p> <ul style="list-style-type: none"> ▪ Biotechnology department possesses a well equipped lab ▪ Having qualified and eligible staff is the strength of the department ▪ All the staff of the department perform a ‘team work’ which is the main strength in promoting the future of the students ▪ International teaching methods are followed like power point presentations giving up to date information to students in their subject matter by utilizing net lab facilities ▪ Net lab facility provided to the staff to gain knowledge related to projects and research works ▪ Department has a library with books required for all subjects of different branches of biotechnology ▪ Department staff concentrate in the research work and publish papers of their work respectively ▪ In conducting research works collaboration with other universities in various countries are made possible ▪ Staff extends their help in making students get university ranks and gold medals.
	<p>Weaknesses</p> <ul style="list-style-type: none"> ▪ Many students coming from rural areas lack some of the basic requirements like having knowledge in English, which makes them dull in understanding subjects and writing exams ▪ Public’s lack of awareness in understanding the Biotechnology’s scope and lack of knowledge in acquiring jobs exists in the rural areas nearer to the institution
	<p>Opportunities</p> <ul style="list-style-type: none"> ▪ To motivate students to produce 100% results and university ranks ▪ To take special attention for higher studies and better placement

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	<ul style="list-style-type: none"> ▪ To take care in attracting students to make them understand scope of Biotechnology ▪ To make students possess leadership qualities ▪ To motivate students to explore their inherent research activities ▪ To motivate staff to get international recognition 																																																
	<p>Challenges</p> <ul style="list-style-type: none"> ▪ To promote education for rural children ▪ To offer job orientated applied Biotechnology for the self employment of the students ▪ To arrange campus interviews and make the students get placed in various industries and other places ▪ To advance research to meet current needs of the society ▪ To acquire project funds from various centers 																																																
39.	<p>Future Plans of the Department</p> <ul style="list-style-type: none"> • To provide better placement for students through industry- department interface • To conduct national seminar on interdisciplinary subjects 																																																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 30%;">Givedetails of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars</th> <th style="width: 20%;">Date</th> <th style="width: 45%;">Name of the Program</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>13.10.2014.</td> <td>State level seminar on “Recent Trends in Biotechnological Approach”</td> </tr> <tr> <td>2</td> <td></td> <td>08.10 2014.</td> <td>Workshop on “Bioinformatics”</td> </tr> <tr> <td>3</td> <td></td> <td>11.02.2014 & 12 .02.2014</td> <td>National Seminar on “Human Perspectives of Biotechnology”</td> </tr> <tr> <td>4</td> <td></td> <td>18.02.2013 & 19.02.2013</td> <td>National Seminar on “Emerging Trends in Biotechnology”</td> </tr> <tr> <td>5</td> <td></td> <td>20.02.2009.</td> <td>State level seminar on “Beacon Biotech”</td> </tr> <tr> <td>6</td> <td></td> <td>22.05 2009 & 23.05 2009</td> <td>“Workshop in Biotechnology”</td> </tr> <tr> <td>7</td> <td></td> <td>24.02 2008</td> <td>“Workshop in Self Employment in Natural Sustainable Agriculture”</td> </tr> <tr> <td>8</td> <td></td> <td>22.02.2008 & 23.02.2008</td> <td>National Symposium on “Modern Trends in Healthcare Biotechnology and Environment”</td> </tr> <tr> <td>9</td> <td></td> <td>04.02.2008 - 08.02.2008</td> <td>Workshop in Food Biotechnology”</td> </tr> <tr> <td>10</td> <td></td> <td>11.02.2006 & 12.02.2006</td> <td>National Seminar on “Human Perspectives of Biotechnology”</td> </tr> <tr> <td>11</td> <td></td> <td>18.02.2005 & 19.02.2005</td> <td>National Seminar on “Emerging Trends in Biotechnology”</td> </tr> </tbody> </table>		Givedetails of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars	Date	Name of the Program	1		13.10.2014.	State level seminar on “ Recent Trends in Biotechnological Approach ”	2		08.10 2014.	Workshop on “ Bioinformatics ”	3		11.02.2014 & 12 .02.2014	National Seminar on “ Human Perspectives of Biotechnology ”	4		18.02.2013 & 19.02.2013	National Seminar on “ Emerging Trends in Biotechnology ”	5		20.02.2009.	State level seminar on “ Beacon Biotech ”	6		22.05 2009 & 23.05 2009	“ Workshop in Biotechnology ”	7		24.02 2008	“ Workshop in Self Employment in Natural Sustainable Agriculture ”	8		22.02.2008 & 23.02.2008	National Symposium on “ Modern Trends in Healthcare Biotechnology and Environment ”	9		04.02.2008 - 08.02.2008	Workshop in Food Biotechnology ”	10		11.02.2006 & 12.02.2006	National Seminar on “ Human Perspectives of Biotechnology ”	11		18.02.2005 & 19.02.2005	National Seminar on “ Emerging Trends in Biotechnology ”
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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	CHEMISTRY			
	Year of Establishment	2001			
2.	Names of Programmes/Courses Offered	B.Sc. Chemistry (2001 – 2002) M.Sc. Chemistry (2003 – 2004) M.Sc. (Analytical Chemistry) (2005 – 2006) M.Phil. Chemistry (2005 – 2006)			
3.	Interdisciplinary Courses and Departments involved	Nil			
4.	Annual/Semester/Choice Based Credit System	Semester & Choice Based Credit System			
5.	Participation of the department in the courses offered by other departments	Course	Department		
		B.Sc.	Physics & Computer science		
		M.Sc.	Computer science		
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
		-	-	11	11
7.	Faculty Profile				
	Name of the faculty	Qualification	Area of specialization/Interest	Years of Experience (31.07.2015)	No. of PhD /M.Phil students guided in the last
	Dr.P.Rajamanickam	M.Sc.,	Chemist	43.2	-
	Dr.B.Anand	M.Sc.,	Chemist	10.11	M.Phil-4
	Dr.K.M.Govindaraj	M.Sc.,	Chemist	6.9	M.Phil-4
	Dr.M.Jayandran	M.Sc.,	Chemist	6.5	M.Phil-4
	Mr. R. Ramachandiran	M.Sc.,	Chemist	0.2	-
	Mr.C.Muniagoundan	M.Sc.,	Chemistry	3 yrs	-
	Mr.R.Soundirarajan	M.Sc.,	Chemistry	2.10	-
	Mr.S.Babu Kumar	M.Sc.,	Chemistry	2.3 yr	-
	Mr.G.Jagan	M.Sc.,	Chemistry	1.11 yr	-

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	Ms. K. Gayathri	M.Sc.,	Chemistry	0.2 yr	-
	Ms. K. Bharathi	M.Sc.,	Chemistry	0.2 yr	-
8.	Percentage of classes taken by temporary faculty-Programme-wise information	Nil			
9.	Programme-wise student teacher ratio	Programme		Student teacher ratio	
		B.Sc. Chemistry		15:1	
		M.Sc. Chemistry		3:1	
		M.Phil. Chemistry		4:1	
10.	Number of Academic Support Staff(technical)and Administrative Staff	Lab Instructor: 1 Lab Attenders: 03			
11.	Number of faculty with ongoing projects from d) national e) international funding agencies and f) Total grants received. Mention names of funding agencies and grants received project-wise	Nil			
12.	Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received	Nil			
13.	Research Facility/Centre with State Recognition National Recognition International Recognition	Periyar University recognized for M.Phil. and Ph.D. Chemistry			
14.	Publications	Enclosed Annexure-I			

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	Number of papers published in peer reviewed journals(national/international)	34
	Monographs	Nil
	Chapter(s) in Books	Nil
	Editing Books	
	Books with ISBN numbers with details of publishers	Nil
	Number listed in International Database(For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Science Directory ,EBSCO host, etc.)	Nil
	Citation Index – range/average	35
	SNIP	Nil
	SJR	Nil
	Impact factor-range/average	2.6
	h-index	3
15.	Details of patents and income generated	Nil
16.	Areas of consultancy and income generated	Advising the Mallasamuthiram Panchayat Union to analyse for the Fluoride content and TDS of the drinking water supplied by Tamilnadu Water Board.
17.	Faculty recharging strategies	Based on Students feedback Faculty Development Programmes were conducted.
18.	Student projects	
	Percentage of students who have done in-house	75%
	Projects including inter-departmental	25%

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	Percentage of students doing projects in collaboration with industries /institutes								
19. Awards / Recognitions received at the National and International Level by									
Faculty		Nil							
Doctoral/Post-Doctoral Fellows		Nil							
☒ Students		Year	Course	University Rank					
		2002	B.Sc. Chemistry	R.Revathi – 11 th Rank					
		2005		G.Paramaguru – 8 th Rank					
		2003	M.Sc. Chemistry	M.Shereena – 2 nd Rank					
		2005		S.Madhu Prakash Reddy – 5 th Rank					
		2004	M.Sc. Chemistry	S.Sasikala – 4 th Rank					
		2006		N.Zulfareen – 6 th Rank					
		2005	B.Sc.	A.Revathi – 10 th Rank					
		2005	M.Sc.	S.Kalaivani – 7 th Rank					
		2005	M.Phil.	V.Gopalakannan – 4 th Rank					
		2007	B.Sc.	S.Balachandar – 2 nd Rank					
		2007	M.Phil.	S.Kokila – 1 st Rank					
		2007	M.Sc.	M.Siva Perumal – 10 th Rank					
		2010-2012	M.Sc	S.Balachandar – 2 nd Rank					
		20. Seminars/ Conferences/Workshops organized and the source of funding(national / international) with details of outstanding any participants, if		-Nil-					
21 Student profile course-wise									
	Course	Year	Applications received	Selected			Pass Details		
				M	F	Total	Batch	Total	
						No.app		No. passed	Pass%

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B. Sc	2008-09	15	10	2	12	2008-2011	9	6	66.66
B. Sc	2009-10	12	4	8	12	2009-2012	12	7	58.33
B. Sc	2010-11	35	23	10	33	2010-2013	32	17	53.12
B. Sc	2011-12	40	15	20	35	2011-2014	29	19	65.51
B. Sc	2012-13	30	9	15	24	2012-2015	21	9	42.85
M.Sc	2009-10	14	8	6	14	2009-2011	13	9	69.23
M.Sc	2010-11	32	22	8	30	2010-2012	30	11	36.66
M.Sc	2011-12	35	19	10	29	2011-2013	29	13	44.82
M.Sc	2012-13	20	11	6	17	2012-2014	17	6	35.29
M.Sc	2013-14	29	19	6	25	2013-2015	21	8	38.09
M. Phil (FT)	2013-14	3	1	2	3	2013-2014	3	2	66.66
M. Phil (PT)	2013-14	12	3	7	10	2013-15	10	-	-
M. Phil	2014-15	18	5	12	17	2014-2015	-	-	-

22 Diversity of students

Name of the Course	Batch	Students from the college	Students from the state	Students from other states	Students from other countries	Total
B.Sc	2011-2014	-	-	35	100%	100%
M.Sc	2011-2013	1	3.4%	24	82.7%	100%
B.Sc	2012-2015	-	-	24	100%	100%
M.Sc	2012-2014	2	11.8%	15	88.2%	100%
B.Sc	2013-2016	-	-	40	100%	100%
M.Sc	2013-2015	8	32%	17	68%	100%
B.Sc	2014-2017	-	-	91	100%	100%
M.Sc	2014-2016	3	17.6%	14	82.3%	100%
B.Sc	2015-2018	-	-	80	100%	100%
M.Sc	2015-2017	-	-	-	-	-

23 How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations?

Nil

24. Student Progression

Student Progression

Percentage against Enrolled

	UG to PG	46%
	PG to M. Phil.	13%
	PG to Ph.D.	-
	Ph.D. to Post-Doctoral	-
	Employed	54%
	<ul style="list-style-type: none"> • Campus Selection • Other than Campus Recruitment 	30%

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		Entrepreneurs	10%
25.	Diversity of Staff	Percentage of faculty who are graduates	
		Of the same parent university	55%
		From other universities within the State	36%
		From other universities from other States	9%
26.	Number of faculty who were awarded Ph.D. ,D.Sc. and D.Litt. during	Nil	

	The assessment period.	
27.	Present details about infrastructure facilities	
	a)Library	Enclosed Annexure-II
	b) Internet facilities for staff and students	-Available-
	c)Total number of class rooms	09
	d) Class rooms with ICT facility	Available
	e) Students' laboratories	03- Well Equipped Separate lab for Organic, Inorganic, Physical Chemistry
	f) Research laboratories	01
28.	Number of students of the department getting financial assistance from College.	Financial Assistance from College - 03
29.	Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.	NIL
30.	Does the department obtain feedback from	

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	a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?	Yes. Feedback is obtained and proper follow up action is taken
	b) Students on staff, as well as teaching-learning-evaluation and what is the response of the department to the same?	Yes, feedback obtained is suitably incorporated
	c) Alumni and employers on the programmes and what is the response of the department to the same?	Participating in various department and college level activities

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

	Name	Current position
1	R. Soundirarajan	AP, Mahendra Arts and Science college, Kallipatti
2	T.S. Malervizhi	PGA, Mahendra Higher Sec. School, Kallipatti
3	K. Mohanraj	Trainee Chemist, BVCPS India. Pv.ltd, Chennai.
4	P. Sambath kumar	BT Assistant. Kalaimagal Higher Sec. School.
5	Mr. Balachandhar	Research Scholar, Dept. of Chem, SRKMASC, Coimbatore.
6	P. Dharman	Production Department, Biocon, Bangalore.
7	Mr. Srinivasan	FAR Formulation, Chennai.
8	Mr. Manickam	Scope e technology, Salem
9	Mr. Saravanasundram	Scope e technology, Salem
10	Mr. Balamurugan	Scope e technology, Salem

32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar) with External Experts. (*details are available in the department)	Sl. No	Particulars of the events organized
		1	State Level Seminar on Recent Organic Methods In Research Held on 09 th Oct 2014
		2	State Level Seminar on Recent Advanced Spectroscopy in Research Held on 10 th Oct 2014
		3	State Level Seminar on Nano materials and its Applications Held on 7 th Feb 2014
		4	Debate On Is The Usage Of Today's Science – Beneficial or evil Held on 28.02.2014
		5	Workshop On Science Writing Journalism Held on 13 th to 17 th Dec 2013

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33.	List the Teaching Methods adopted by the faculty for different programmes. Blended teaching methodology augmented with classroom seminars, group discussions and assignments,.
34.	How does the department ensure that programme objectives are constantly met and learning outcomes monitored? Objectives are constantly met by classroom teaching, discussion, assignments and outcome is monitored by test and end semester exam
35.	Highlight the participation of students and faculty in extension activities. •
36.	Give detail of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars Refer Question No. 32
37.	State whether the programme/department is accredited/graded by other agencies. Give details.
38.	Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department
	Strengths <ul style="list-style-type: none"> • Experienced staff • Student centered teaching and learning • Updated curriculum • Well motivated students • Well stacked library
	Weaknesses <ul style="list-style-type: none"> • Insufficient industry – institution interaction • Lack of proficiency in English.
	Opportunities <ul style="list-style-type: none"> • Curriculum can be designed to make students more employable • Provision for vertical mobility for students
	Challenges <ul style="list-style-type: none"> • Making collaborations with stakeholders • Motivating students to participate in MTTTS programmes

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39	Future Plans of the Department. <ul style="list-style-type: none"> To provide better placement for students through industry- department interface To conduct national seminar on interdisciplinary subjects
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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	COMMERCE			
	Year of Establishment	1999			
2.	Names of Programmes/ Courses Offered	B.Com. (1999 – 2000) B.Com. (Computer Applications) (2001 – 2002) B.B.A. (2002 – 2003) M.Com. (2004 – 2005) M.Com. (Computer Applications) (2004– 2005) M.S.W. (2005 – 2006) M.Phil. - Commerce (2013 – 2014) Ph.D- Commerce (2014 – 2015)			
3.	Inter disciplinary Courses and	NIL			
4.	Annual/Semester/Choice Based Credit System	SEMESTER - CBCS			
5.	Participation of the departmenting the courses offered by other departments	Course	Department		
		M.Sc (cs)	Computer Science		
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
		--	--	20	20
7.	Faculty Profile				
	Name of the faculty	Qualification	Area of specialization/ Interest	Years of Experience(31 .7.15)	No. of PhD / M.Phil students guided in the last 4years
	Dr.V.Aravamudhan	M.Com.,M.Phil.,Ph.D	Accounting and Finance	23 Yrs	M.Phil - 15 Ph.D - 1
1	Dr.K.Selvaraj	M.Com.,M.Phil.,Ph.D	Marketing,Banking	16 Yrs	M.Phil - 1
3	Dr.J.Josephine Daisy	M.Com.,M.Phil.,Ph.D	Marketing	14.3 Yrs	--

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4	Mr.K.Kumaran	M.Com.,M.Phil.,Ph.D(Doi ng)	Marketing	14.1 Yrs	M.Phil - 1
5	Mr.C.Sasikumar	MBA.,M.Phil.,Ph.D(Doi ing)	Management	12.7 Yrs	--
6	Mr.S.Jagadeesan	M.Com.,M.Phil.,Ph.D(Doi ng)	Finance	10 Yrs	M.Phil - 2
7	Dr.S.Dhanalakshmi	MBA,M.Phil,Ph.D	Management	9 Yrs	---
8	Dr.N.Suganthi	M.B.A., M.Phil.,Ph.D.,	Management	8 Yrs	---
9	Mrs.N.Sudha	M.Com.,M.Phil.,	Marketing	7.5 Yrs	--
10	Mr.K.Balakrishnan	M.Com.,M.Phil.,	Marketing	8.2 Yrs	--
11	Mrs.T.Muthuselvi	MBA	Management	5.4 Yrs	--
12	Ms.S.Jothipriya	M.Com.,M.Phil.,	Marketing	4.7 Yrs	--
13	Dr.P.Kalaiselvi	M.Com.,M.Phil.,Ph.D	Marketing	5.9 Yrs	--
14	Mrs.B.Jayalakshmi	M.Com.,M.Phil.,Ph.D(Doi ng)	Management	6.11 Yrs	--
15	Mr.N.Srinivasan	M.Com.,M.Phil.,Ph.D(Doi ng)	Marketing	4.1 Yrs	--
16	Ms.V.Sudha	M.Com.,M.Phil.,	Marketing	3 Yrs	--
17	Dr.Geeta Kesavaraj	MBA.,M.Phil.,Ph.D	Marketing and	11 Yrs	--
18	Ms.T.Mohana	M.Com.,	Marketing	0.9 Yrs	--
19	Mr.C.Govindan	MSW	General	6.7 Yrs	--
20	Mr.M.Ilayaraja	MSW	Medical	0.9 yr	--
8.	Percentage of classes taken by temporary faculty-Programme-wise information	NIL			
9.	Programme-wise student teacher ratio	Programme	Student teacher ratio		
		B.COM	9:1		
		B.COM CA	12:1		
		BBA	8:1		
		M.COM	3:1		
		M.COM CA	1:1		
		MSW	5:1		
		M.Phil	2:1		

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	Number of papers published in peer reviewed journals(national/international)	No. Papers : 67 Enclosed Annexure - I				
	Monographs	NIL				
	Chapter(s) in Books	NIL				
	Editing Books	Olympic Times Journal of Management & Science 1. Dr.K.Selvaraj 2. Dr.J.Josephine Daisy Tata McGraw Hill Book Editors Dr.J.Josephine Daisy				
	Books with ISBN numbers with details of publishers	Dr.Geeta Kesavaraj Economic Analysis For Business By Thakur Publications,Chennai				
	Number listed inInternational Database(For e.g. Web ofScience,Scopus, Humanities International Complete,Dare Database –International SocialScience Directory,EBSCO	NIL				
	Citation Index – range/average	NIL				
	SNIP	NIL				
	SJR	NIL				
	Impactfactor-range/average					
	h-index	NIL				
15.	Details of patents and income	NIL				
16.	Areas of consultancy and income generated	NIL				
17.	Faculty recharging strateis	Based on student feedback - Faculty Development Programmes were conducted				

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18.	Student projects									
	Percentage of students who have done in-house	NIL								
	Projects including inter-departmental									
	Percentage of students doing projects in collaboration with industries /institutes	BBA – 100% M.COM – 100%								
19.	Awards / Recognitions received at the National and International Level by									
	Faculty	NIL								
	Doctoral/Post-Doctoral Fellows	NIL								
	☒ Students	M.Karthick of II M.Com. (2013-15 Batch)Secured FIRST Prize in National Level HR Club Competition								
20.	Seminars/ Conferences/Workshops organized and the source of funding(national / international) with details of outstanding any participants, if	Sl.No	Particulars of the events organized							
21		Nil								
		Student profile course-wise								
	Course	Year	Applications Received	Selected			Pass Details			
				M	F	Total	Batch	Total		
								No.app	No.	Pass%
	B.COM	2011-12	34	20	12	32	2009-12	20	14	70
		2012-13	49	19	26	45	2010-13	16	13	81
		2013-14	79	41	33	74	2011-14	30	25	83
		2014-15	110	63	42	105	2012-15	41	19	44

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B.COM CA	2011-12	68	35	23	58	2009-12	79	69	87
	2012-13	39	22	17	39	2010-13	84	66	79
	2013-14	110	53	47	100	2011-14	94	75	80
	2014-15	124	76	48	124	2012-15	40	30	75
BBA	2011-12	54	40	10	50	2009-12	41	35	85
	2012-13	37	29	08	37	2010-13	28	26	93
	2013-14	48	34	08	42	2011-14	49	45	92
	2014-15	56	40	09	49	2012-15	31	27	81
M.COM	2011-12	20	12	07	19	2010-12	11	07	64
	2012-13	30	12	17	29	2011-13	16	13	81
	2013-14	31	16	09	25	2012-14	27	26	96
	2014-15	21	10	08	18	2013-15	22	09	41
M.COM CA	2011-12	13	6	4	10	2010-12	06	04	67
	2012-13	10	--	07	07	2011-13	10	09	93
	2013-14	11	--	07	07	2012-14	06	06	100
	2014-15	09	08	01	09	2013-15	03	02	67
MSW	2011-12	13	11	02	13	2010-12	15	15	100
	2012-13	07	06	01	07	2011-13	8	8	100
	2013-14	06	05	01	06	2012-14	7	7	100
	2014-15	02	01	01	02	2013-15	6	6	100
M.PHIL	2013-14	08	--	08	08	2013-14	05	04	80
	2014-15	08	02	06	08	--	--	--	--
P.hD	2014-15	--	--	--	--	--	--	--	--

22 Diversity of students

Name of the Course	Batch	Students from other college	Students from the state	Students from other states	Students from other countries	Total
B.COM	2011-12	--	--	20	12	32
	2012-13	--	--	19	23	45
	2013-14	--	--	41	33	74
	2014-15	--	--	62	42	105
B.COM CA	2011-12	--	--	35	23	58
	2012-13	--	--	22	17	39
	2013-14	--	--	53	47	100
	2014-15	--	--	76	48	124
BBA	2011-12	--	--	38	10	50
	2012-13	--	--	29	08	37
	2013-14	--	--	34	08	42
	2014-15	--	--	38	09	49
M.COM	2011-12	06	04	06	01	19

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		2012-13	05	08	06	08	--	--	01	01	29
		2013-14	02	05	14	04	--	--	--	--	25
		2014-15	02	01	08	07	--	--	--	--	18
	M.COM CA	2011-12	02	01	04	03	--	--	--	--	10
		2012-13	--	01	--	06	--	--	--	--	07
		2013-14	--	04	--	03	--	--	--	--	07
		2014-15	02	01	06	--	--	--	--	--	09
	MSW	2011-12	04	01	06	01	--	--	01	--	13
		2012-13	05	01	01	--	--	--	--	--	07
		2013-14	02	01	03	--	--	--	--	--	06
		2014-15	01	--	--	--	--	--	--	01	02
	M.PHIL	2013-14		04	--	04	--	--	--	--	08
		2014-15	02	02	01	03	--	--	--	--	08
	P.hD	2014-15	--	--	--	--	--	--	--	--	--
23	How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations? Nil										
24.	Student progression	Student Progression				Percentage against Enrolled					
		UG to PG				75%					
		PG to M.Phil.				25%					
		PG to Ph.D.				--					
		Ph.D. to Post-Doctoral				--					
		Employed				25%					
		<ul style="list-style-type: none"> • Campus Selection • Other than Campus Recruitment 				10%					
		Entrepreneurs				10%					
25.	Diversity of Staff	Percentage of faculty who are graduates									
		Of the same parent university							45%		
		From other universities within the State							55%		
		From other universities From other States							Nil		

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26.	Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.	Ph.D - 03
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27.	Present details about infrastructural facilities					
	a)Library	Enclosed Annexure - II				
	b) Internet facilities for staff and students	Available				
	c)Total number of classrooms	21				
	d) Class rooms with ICT facility	01				
	e) Students' laboratories	01				
	f) Research laboratories	NIL				
28.	Number of students of the department getting financial assistance from College.	2011-12	2012-13	2013-14	2014-15	
		51	39	105	35	
29.	Was any need assessment exercise undertaken before the development of new program (s)?If so, give the methodology.	NIL				
30.	Does the department obtain feed back from					
	a)Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?	Yes. Feedback is obtained and proper follow up action is taken				

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	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?	Yes, feedback obtained is suitably incorporated
	c) Alumni and employers on the programmes and what is the response of the department to the same?	We have conducted the meeting of Alumni, Employers and various stake holders for discussing curriculum development and course contents. Our alumni and employers really appreciate the base in which the programmes is running by the department.
31.	List the distinguished alumni of the department (maximum 10)	
	S.No	Name
	1	Nayakundi Rooth
	2	J.P.Thamil Selvi
	3	S.Selvarajan
	4	C.Chitra
	5	C.Vimala
	6	P.Jayakumar
	7	S.Ashok kumar
	8	S.Sakthivel
	9	R.Kavaskar
	10	M.Sivasankar
32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar)with External Experts.(*details are available in the department)	<p>1.National Seminar On FDI and Indian Industries on 09.10.2011 (Self funding)</p> <p>2.National Seminar On Linkages Between Trade and Poverty on 13.09.2012. (Self funding)</p> <p>3. State level seminar on Recent Innovation In Business on 04.09.2013. (Self funding)</p> <p>4. State level seminar on Modern Approaches' In Commerce on 07.10.2014. (Self funding)</p> <p>5.Workshop on FDI in Indian Industries on 08.10.2014. (Self funding)</p> <p>Special Lectures: 10</p>
33.	List the Teaching Methods adopted by the faculty for different programmes.	Blended teaching methodology augmented with classroom seminars, case studies,problem solving, brain- storming, management games, group discussions and assignments, through chalk and board, power point presentation etc.,

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34.	<p>How does the department ensure that programme objectives are constantly met and learning outcomes monitored?</p> <p>Objectives are constantly met by classroom teaching, discussion, assignments and outcome is monitored by test and end semester exam</p>
35.	<p>Highlight the participation of students and faculty in extension activities.</p> <ul style="list-style-type: none">• Coaching class to Higher Secondary Students• Consumer Awareness Programme• Coaching class to B.Ed. Students• Organising Rural Camp
36.	<p>Give details of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars</p> <p style="text-align: center;">Refer Q.No: 32</p>
37.	<p>State whether the programme department is accredited/graded by other agencies. Give details.</p> <p>NIL</p>
38.	<p>Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department</p> <p>Strengths</p> <ol style="list-style-type: none">1. Well qualified and potential faculty.2. Always caring and strive hard for interest and upliftment of students.3. Incalculating self-confidence and self-esteem among the students.4. Encourage students to undertake various societal activities thereby making them really socially responsible citizens.5. Curriculum was tuned to suit the students interest, keeping in view the opinion of all the stakeholders and also student employment potential.

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Weaknesses

1. **Poor Socio-economic background:** Since majority of the students are hailing from rural strata of the society with poor socio-economic background, the faculty find extremely hard to bring in them good and acceptable behaviour and ethics.
2. **Lack of Communication skills among the students:** Our students are feeling difficult to learn English as a communication language. Though we conduct bridge courses and English communication coaching classes continually for our students, still the fruit of the same will not be felt to the desired level as planned.
3. **Lack of parental support:** Lack of parental support in assisting their wards in education is another daunting problem facing us. This is due to illiteracy levels prevailing among parents. Even they hesitate to come and non-cooperative with the faculty. As a result the students welfare cannot be achieved by the department to the full potential.
4. **Lack of Industry support:** As our college is situated in the rural area and if industry is approached by our department to visit our college to interact with the students, the industry people is reluctant to come based on false perception that our students are not up to the mark and they are weak.
5. **Lack of Students' Initiative to learn:** Our students have a mindset that studying subjects in the degree course is a difficult one as such as they were wrongly guided by their friends and near and dear ones. Hence they usually lack initiative to learn the subject and often write the examination for the need sake and get fail marks though the faculty of the department take much efforts in correctly the situation. They have only succeeded partially.

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Opportunities

1. **Academic Freedom:** Since our college has been conferred autonomous status by UGC, the faculty members have more flexibility in designing our own curriculum which will address all the problems of our students.
2. **Employment Opportunities:** Since there are more job openings in Banking and financial sector in the year 2017 due to more number of retirements, the faculty members see the bright future for their students.
3. **Opening up of Retail shops in Rural Areas:** As the companies are focusing on tapping potential in rural markets, there is every possibility that these companies set up shops in rural markets. As a result. there are more number of employment opportunities for our students in their places of living itself.
4. **Creating Teachers of Tomorrow:** As there is a dearth of teachers in Schools and colleges in the Commerce arena, our department promotes PG education among our students, so that they become successful teachers in the years to come. Moreover we are planning to conduct TET, NET, SLET classes for our PG students even they undergo PG courses.
5. **Promoting Entrepreneurship:** Our department plans to invite leading Industrialist and Entrepreneurs regularly to have valid interactions between our students and these honchos of Trade and Industry. This will provide opportunity to our students to become innovative entrepreneurs after their graduation.

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Challenges

1. **Disruption of Social Media and Technology:** Our students mostly spend their valuable time in accessing social media such as Facebook, LinkedIn etc and they are using mobile phones extensively without any productive purpose. As a result, they themselves restrict time to concentrate on studies.
2. **Deterioration of Moral and Ethical values:** The students of our college throw ethical and moral values to the wind, thereby causes many disruptions not only to themselves but also to the society. They even don't know the age old systems and values prevailing in our society since immemorial. As a result the students deviate from the right path and ignorantly trapped in the wrong paths, destroy their careers and act as burden to the society.
3. **Drop-out Rates:** The students drop-out rates in the department causes considerable concern for us. Even parents of the students are so ignorant about the values of education. The parents are reluctant to come to the college and enquire about their wards performance.
4. **Students are Money-chasers:** Today the students are paying more attention to earn money at the shortest possible times which in reality do not happen. They are so crazy about money making and in this process they deliberately ignore their social responsibility.
5. **Labour Turnover:** The students of our department used to get placement at the campus interview. But after getting job, they fail miserably either during training period or post training period. The analyzed reasons for this is lack of adaptability, teamwork spirit, lack of cognitive and logical thinking ability.

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Future Plans of the Department.

- The department is planned to organize a two days national level seminar on "Emerging Trends of teaching in India" through IQAC of the college on September 10th and 11th, 2015. With sanctioned financial assistance of NAAC for Rs. 75,000.
- The department of Commerce has proposed to launch ISSN numbered Bi-annual journal "FACE-Finance, Accounts, Commerce and Economics." Working in this regard is already started and the first issue is expected to be rolled out during the month October 2015.
- The department is planned to sign in Memorandum of Understanding with Seshasayee Paper Board Limited, Pallipalayam in Erode, to facilitate industry-institution linkage.
- The department proposed to tie-up with Tamilnadu Magnesite, Steel Authority of India, Limited, Salem and India Cements, Sankari, Banks and financial institutions/Chartered Accountants' Office and Share Broking Office whereby we seek permission to send our II year UG students and I year PG students to take up Internships training for one month during their end semester holidays.

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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	Computer Science and Applications			
	Year of Establishment	1999			
2.	Names of Programmes / Courses Offered	B.Sc. Computer Science [1999-2000] BCA Computer Applications [1999-2000] M.Sc. Computer Science [2002-2003] M.Phil. Computer Science [2013-2014]			
3.	Interdisciplinary Courses and departments involved	-Nil-			
4.	Annual/Semester/Choice Based Credit System	Semester and Choice Based Credit System			
5.	Participation of the department in the courses offered by other departments	Course		Department	
		B.Com. CA M.Com. CA		Commerce Commerce	
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
		--	--	23	23
7.	Faculty Profile				
	Name of the faculty	Qualification	Area of specialization / Interest	Years of Experience (as on 31.07.2015)	No. of Ph.D /M.Phil. students guided in the
1	Dr.S.Kumaravel	M.Sc.,M.Phil., Ph.D.	Computer Electronics	17.2 yrs	M.Phil. -05
2	Mr.M.Thirunavukkarasu	M.Sc.,MCA.,M.Phil.,	Computer Science	17.0 yrs	
3	Dr.S.Andrews	M.Sc., M.C.A., M.Phil., Ph.D.	Computer Science	17.3 yrs	M.Phil. -05
	Mrs.M.Sumathi	M.Sc.,M.Phil.,	Computer Science	14.5 yrs	M.Phil. -05
5	Mr. V.Joseph Immanuvel	MCA.	Computer Science	11.8 yrs	
6	Mr.A.Murugan	M.Sc.,M.Phil.,	Computer Technology	9.6 yrs	
7	Mr.K.R.Palanisamy	M.Sc.,M.Phil.,	Software Science	8.3 yrs	
8	K.Vijayakrishnakumari	M.Sc., M.Phil.,	Computer Science Applications	7.8 yrs	
9	Mr.G.Satheesh	M.Sc.,M.Phil.,	Computer Science	7.3 yrs	
10	Mrs.R.Rathika	M.Sc., M.Phil.,	Computer Science	7.0 yrs	

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11	Mrs. S.Krishnaveni	M.Sc.,M.Phil.,	Computer Science	6.5 yrs	
12	Mr. N.Suresh	M.Sc. M.Phil.	Computer Science	7.9 yrs	
13	M.Senthilkumar	M.C.A., M.Phil.,	Computer Applications	5.1 yrs	
14	M.Namasivayam	M.C.A.,M.Phil.,SET	Computer Applications	5.11 yrs	
15	Mrs. K.K. Sangeetha	M.Sc.M.Phil.	Computer Science	3.5 yrs	
16	Mrs. M.Parvathi	M.Sc.,M.Phil.,	Computer Science	3.2 yrs	
17	Mr. K.Gopinath	M.C.A.,M.Phil.	Computer Applications	2.1 yrs	
18	Mr. M.Ilayaraja	M.Sc., M.Phil.,	Computer Science	1.7 yrs	
19	Mrs. M.Karthika	M.Sc., M.C.A.,	Computer Science	1.6 yrs	
20	Ms. S.Ananthi	M.C.A., MBA	Computer Science	1.6 yrs	
21	Ms. M. Kalapana	M.Sc., M.Ed.,	Computer Science	0.4 Yr	
22	Mrs. S.Jenifer	M.Sc., M.Phil.,	Computer Science	0.1 yr	
23	Ms. V.Kalaivani	M.Sc.,	Computer Science	0.1 yr	
8.	Percentage of classes taken by temporary faculty-Programme-wise information	-Nil-			
9.	Programme-wise student teacher ratio	Programme	Student teacher ratio		
		B.Sc. Computer Science BCA Computer Applications M.Sc. Computer Science M.Phil. Computer Science	12:1 12:1 10:1 03:1		
10.	Number of Academic Support Staff(technical)and Administrative Staff	Network / System Administrator - 01 Lab Assistant - 02 Lab Attender - 01			

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11. Number of faculty with ongoing projects from k) national l) international funding agencies and m) Total grants received. Mention names of funding agencies and grants	-NIL-
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12.	Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received	-NIL-
13.	Research Facility/Centre with State Recognition National Recognition International Recognition	Research Programme Recognized by Periyar University, Salem. M.Phil Computer Science
14.	Publications	
	Number of papers published in peer reviewed journals (national/international)	Enclosed - Annexure - I
	Monographs	-NIL-
	Chapter(s) in Books	-NIL-
	Editing Books	-NIL-
	Books with ISBN numbers with details of publishers	-NIL-
	Number listed in International Database(For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database –International Social Science Directory, EBSCO host, etc.)	-NIL-
	Citation Index – range/average	-NIL-
	SNIP	-NIL-
	SJR	-NIL-

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	Impact factor-range/average	Range : 0.310 to 2.245 Average: 1.023									
	h-index										
15.	Details of patents and income generated	-NIL-									
16.	Areas of consultancy and income generated	-NIL-									
17.	Faculty recharging strategies	Based on student feedback faculty development programmes were conducted									
18.	Student projects										
	Percentage of students who have done in-house projects including inter-departmental	25% of M.Sc. Computer Science Students									
	Percentage of students doing projects in collaboration with industries /institutes	75% of M.Sc. Computer Science Students									
19.	Awards / Recognitions received at the National and International Level by										
	Faculty	-NIL-									
	Doctoral/Post-Doctoral Fellows	-NIL-									
	☐ Students	-NIL-									
20.	Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding any participants, if										
			-NIL-								
21	Student profile course-wise										
	Course	Year	Applications received	Selected			Pass Details				
				M	F	Total	Batch	Total			
								No.app	No. passed	Pass%	
	B.Sc Computer Science	2011-2012	111	41	52	93	2009-2012	31	25	80.6	

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		2012-2013	100	31	53	84	2010-2013	53	37	69.7
		2013-2014	110	45	51	96	2011-2014	76	52	68.4
		2014-2015	85	41	39	80	2012-2015	86	59	68.60
	BCA	2011-2012	100	52	42	94	2009-2012	48	37	77
		2012-2013	77	32	30	62	2010-2013	61	43	70.4
		2013-2014	102	43	42	85	2011-2014	83	55	66.2
		2014-2015	70	46	20	66	2012-2015	55	48	87.25
	M.Sc. Computer Science	2011-2012	32	10	20	30	2010-2012	29	29	100
		2012-2013	23	09	11	21	2011-2013	29	26	89.6
		2013-2014	46	15	26	40	2012-2014	19	14	73.6
		2014-2015	31	10	16	25	2013-2015	41	38	73.17
	M.Phil. Computer Science	2014-2015		-	15	15	2014-2015	15	14	93.3

22 Diversity of students

	Name of the Course	Batch	Students from the college		Students from the state		Students from		Students from other countries		Total
			M	F	M	F	M	F	M	F	
	B.Sc. Computer Science	2009-2012			40	51					91
		2010-2013			31	60					91
		2011-2014			41	52					93
		2012-2015			41	43					84
	BCA	2009-2012			52	42					94
		2010-2013			32	30					62
		2011-2014			43	45					94
		2012-2015			42	21					62
	M.Sc. Computer Science	2011-2013	05	10	04	11					30
		2012-2014	05	05	06	05					21
		2013-2015	05	17	10	08					40
	M.Phil	2014-2016	07	09	02	07					25

23 How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations?

-NIL-

24.	Student Progression	Student Progression	Percentage against Enrolled
		UG to PG	60%
		PG to M.Phil.	20%

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		PG to Ph.D.	02%				
		Ph.D. to Post-Doctoral	-NIL-				
		Employed	50%				
		<ul style="list-style-type: none"> • Campus Selection • Other than Campus Recruitment 	20%				
		Entrepreneurs	30%				
25.	Diversity of Staff						
		Percentage of faculty who are graduates of the same parent	50 %				
		From other universities within the State	50 %				
		From other universities from other States					
26.	Number of faculty who were awarded Ph.D. D.Sc. and D.Litt. during the assessment period.	01					
27.	Present details about infrastructural facilities						
	a)Library	Enclosed Annexure - II					
	b) Internet facilities for staff and students	4 Mbps Internet connectivity Available					
	c)Total number of classrooms	15					
	d) Class rooms with ICT facility	03					
	e) Students' laboratories	Enclosed – Annexure - III					
	f) Research laboratories						
28.	Number of students of the department getting financial assistance from College.	Year	2011-12	2012-13	2013-14	2014-15	Total
		No. of Students	17	12	24	18	71
29.	Was any need assessment exercise undertaken before the development of new program(s)?If so, give the methodology.	-NIL-					

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30.	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. Feedback is obtained and proper follow up action is taken	
	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?		Yes, feedback obtained is suitably incorporated	
	c) Alumni and employers on the programmes and what is the response of the department to the same?		Yes, Alumni and employers are involved in curriculum enrichment.	
31.	List the distinguished alumni of the department (maximum 10)			
		Name	Current position	
1	B.Sc.CS	C.Saravanan	Programmer / Developer - WIPRO Hyderabad	
2	B.C.A.	Ananthalakshmi	Programmer / Developer – VIRTUSA Chennai	
3	B.C.A.	N.Nagaveena	Programmer / Developer – WIPRO Hyderabad	
4	B.C.A	S.Kesavan	Lawyer - Salem	
5	B.C.A.	S. Chihtra	Programmer / Developer - WIPRO Hyderabad	
6	B.C.A.	A. Javith Ansari	Sales Manager – ICICI - Chennai	
7	B.Sc CS	S.Saranya	Customer Care Executive – Accenture - Chennai	
8	B.Sc CS	D. Yuvanandhini	Customer Care Executive – Accenture - Chennai	
9	BCA	S. Ashwarya	Customer Care Executive – Hexaware - Chennai	
10	B.Sc CS	P.Nalini	Customer Care Executive - INFOSYS – Bangalore	
	B.Sc CS	R.Indhusaraswathi	Customer Care Executive - INFOSYS – Bangalore	
32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar)with External Experts.(*details are available in the department)		Education to Employment	Mr.K.Anand, Mr.John Subakar, Mr.Ramani and Mr.Krishnakumar (LEADS)Leadership Education And Development
			Gust Lecture on Digital Image Processing	Dr.A.Mallmurugan, Dean, Research & Development, Mahendra Institutions.
			Online Training Programme in Oracle and Java	Experts from ICT Academy of Tamilnadu.

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		Gust Lecture on Digital Image Processing	Mr.S.Kannan, Asst.Professor in CSE, Mahendra Engineering College.
		Enterprise mobility solution focusing on Androids + iPhone Technology and current trends in Software Industries.	Mr.S.Prithivirajan, Head of Resource Planning, Target Top Systems, Chennai.
33.	List the Teaching Methods adopted by the faculty for different programmes. Blended teaching methodology augmented with classroom seminars, group discussions and assignments,.		
34.	Howdoesthedepartmentensurethatprogrammeobjectivesareconstantlymetandlearningoutcomesmonitored? Objectivesareconstantlymetbyclassroomteaching,discussion,assignmentsandoutcomeismonitored by test and end semester exam		
35.	Highlight the participation of students and faculty in extension activities. <ul style="list-style-type: none"> • Our Department conducts various special coaching programmes for the students of nearby government schools in the areas like programming in C, Star office, etc., 		

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36.	Give details of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars
Sl.No	Particulars of the events organized
1	13.10.2014 - State Level Seminar on Cloud Computing and Security issues
2	09.10.2014 & 10.10.2014 – Workshop on Android Mobile Applications
3	21.02.2014 – State Level Seminar on Cryptography and Network Security
4	28.01.2013 – State Level Seminar on Advanced Trends in Information Technology
5	16.02.2012 – State Level Seminar on Emerging Trends in Computer Applications
37.	State whether the programme/department is accredited/graded by other agencies. Give details.
	-Nil-
38.	Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department
	Strengths <ul style="list-style-type: none"> • Experienced staff • Student centered teaching and learning • Updated curriculum • Well motivated students • Well stacked library
	Weaknesses <ul style="list-style-type: none"> • Insufficient industry – institution interaction • Lack of proficiency in English.
	Opportunities <ul style="list-style-type: none"> • Curriculum can be designed to make students more employable • Provision for vertical mobility for students
	Challenges <ul style="list-style-type: none"> • Making collaborations with stakeholders • Motivating students to participate in MTTTS programmes
39	Future Plans of the Department. <ul style="list-style-type: none"> • To provide better placement for students through industry- department interface • To conduct national seminar on interdisciplinary subjects

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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	ENGLISH			
	Year of Establishment	2002			
2.	Names of Programmes / Courses Offered	<ul style="list-style-type: none"> • B.A. English (2002 – 2003) • B.A. English CA (2007 – 2008) • M.A. English (2003 – 2004) 			
3.	Interdisciplinary Courses and	NIL			
4.	Annual/Semester/Choice Based Credit System	Semester - Choice Based Credit System			
5.	Participation of the department in the courses offered by other departments	Course	Department		
		Foundation English.	All U.G Courses(I & II Yrs)		
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
		-	-	22	22
7.	Faculty Profile				
01	Name of the faculty	Qualification	Area of specializati on/Interest	Years of Experien ce (Yrs)	No. of PhD students guide din the last
	Dr. S.Rajamanickam	MA.,MPhil.,PhD	British Literature	35	-
	Dr.A.Ganesan	MA.,MPhil.,PhD	Indian Writing in English	33	-
	Mr.N.SampathKumar	MA.,MA(Adm),M.Ed	Indian Writing in English	25	-
04	Mrs. P. Sujatha	MA.,MPhil.,B.Ed	Bible Literature	11	-
05	Mrs.R.Sridevi	MA.,MPhil.,MCA.,B.Ed	British Literature	6	

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06	Ms.T.Ramya	MA.,MPhil.	Indian Writing in English	6	-
07	Dr.J.Kavitha	MA.,MPhil.,PhD	Indian Writing in English	4	-
08	Ms.K.Sathya	MA.,B.Ed	Indian Writing in English	5	-
09	Ms.K.S.Manju	MA.,B.Ed	Indian Writing in English	3	-
10	Mr.K.Kannadasan	MA.,B.Ed	Indian Writing in English	3	-
11	Ms. S. Vidhya	MA.,B.Ed	Indian Writing in English	2	-
12	Ms. J.Praba	MA	Indian Writing in English	2	-
13	Mr. M. Manobalaji	MA.,B.Ed	British Literature	1	-
14	Mr. S. Boopathi	MA.,B.Ed	Indian Writing in English	1	-
15	Miss. V. Srija	MA.	Fiction	1	-
16	Miss. R. Malathi	M.A.	Indian Writing in English	1	-
17	Miss. S. Kiruthika	MA.,B.Ed	Canadian Literature	1	-
18	Miss. K. Maheswari	MA.B.Ed	Indian Writing in English	1	-
19	Mr. A. Venkatesh	MA.,B.Ed	Indian Writing in English	6 months	-
20	Mr. K. Ragu	MA	American Literature	6 months	-
21	Miss. R. Gowri	MA.,B.Ed	Indian Writing in English	2.1month\	-
22	Mrs. E. Parvatham	MA.,M.Ed	Indian Writing in English	1. 6 month	-
8.	Percentage of classes taken by temporary faculty-Programme-wise information	-NIL-			
9.	Programme-wise student teacher ratio	Programme	Student teacher ratio		
		BA ENGLISH MA ENGLISH	12:1 05:1		

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10.	Number of Academic Support Staff(technical)and Administrative Staff	-NIL-				
11.	Number of faculty with ongoing projects from n) national o) international funding agencies and p) Total grants received. Mention names of funding agencies and grants received project-	-NIL-				
12.	Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received	-NIL-				
13.	Research Facility/Centre with State Recognition National Recognition International Recognition	-NIL-				
14.	Publications					
	Number of papers published in peer reviewed journals(national/international)			-NIL-		
	Monographs			-NIL-		
	Chapter(s) in Books			-NIL-		
	Editing Books					
	Books with ISBN numbers with details of publishers			-NIL-		

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	Number listed in International Data base (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Science Directory, EBSCO host, etc.)			-NIL-		
	Citation Index – range/average			-NIL-		
	SNIP			-NIL-		
	SJR			-NIL-		
	Impact factor- range/average			-NIL-		
	h-index			-NIL-		
15.	Details of patents and income generated	-NIL--				
16.	Areas of consultancy and income e generated	-NIL-				
17.	Faculty recharging strategies	Based on the students feedback Faculty Development Programmes were conducted.				
18.	Student projects	2011-2012	2012-2013	2013-2014	2014-2015	
	Percentage of students who have done in-house	100%	100%	100%	100%	
	Projects including inter departmental	-	-	-	-	-
	Percentage of students doing projects in collaboration with	-	-	-	-	-
19.	Awards / Recognitions received at the National and International Level by					

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	Faculty	-NIL-								
		-NIL-								
	Doctoral/Post-Doctoral Fellows	-NIL-								
		-NIL-								
	Students	-NIL-								
		-NIL-								
20.	Seminars/ Conferences/Workshops organized and the source of funding(national / international)with details of outstanding any participants, if	-NIL-								
21	Student profile course-wise									
	Course	Year	Application sreceived	Selected			Pass Details			
				M	F	Total	Batch	Total		
								No.app	No.passed	Pass%
1	BA English	2011-2012	95	22	71	93	2009-2012	51	40	78.0
	MA English		20	09	05	14	2010-2012	02	00	0
2	BA English	2012-2013	52	02	39	41	2010-2013	55	45	82.0

	MA English		18	06	09	15	2011-2013	10	03	30.00
3	BA English	2013-2014	140	25	98	123	2011-2014	77	31	40.25
	MA English		25	06	12	18	2012-2014	15	13	86.00
4	BA English	2014-2015	125	36	69	105	2012-2015	39	22	56.41
	MA English		37	03	25	28	2013-2015	16	03	18.75

22	Diversity of students										
	Name of the Course	Batch	Students from the college		Students from the state		Students from other		Students from other countries		Total
1	BA ENGLISH	2010-2013			21	66	-	-	-	-	87
	MA ENGLISH	2010-2012			-	2	-	-	-	-	2
2	BA ENGLISH	2011-2014			16	68	-	-	-	-	84
	MA ENGLISH	2011-2013	2	1	6	4	-	-	-	-	13
3	BA ENGLISH	2012-2015			2	38	-	-	-	-	40
	MA ENGLISH	2012-2014			5	10	-	-	-	-	15
4	BA ENGLISH	2013-2016			23	105	-	-	-	-	128
	MA ENGLISH	2013-2015			5	13	-	-	-	-	18

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5	BA ENGLISH	2014-2017			18	87	-	-	-	-	105
	MA ENGLISH	2014-2016		9	3	16	-	-	-	-	28
23	How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations? -Nil-										
24.	Student Progression	Student Progression		Percentage against Enrolled							
		UG to PG		10%							
		PG to M.Phil.		-							
		PG to Ph.D.		-							
		Ph.D. to Post-Doctoral		-							
		Employed		08							
		<ul style="list-style-type: none"> • Campus Selection • Other than Campus Recruitment 		10							
		Entrepreneurs		-							
25.	Diversity of Staff	Percentage of faculty who are graduates -17									
		Of the same parent university		16							
		From other universities within the State		01							
		From other universities from other States		-							
26.	Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.	-Nil-									
27.	Present details about infrastructural facilities										
	a)Library	Enclosed Annexure - II									
	b) Internet facilities for staff and students	English Communication LAB - 60 Systems with Net facility									
	c)Total number of class rooms	08									
	d) Class rooms with ICT facility	01									
	e) Students' laboratories	01									
	f) Research laboratories	-									

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28.	Number of students of the department getting financial assistance from College	2009-2012	2010-2013	2011-2014	2012-2015
		-Nil-	04	05	09
29.	Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.	-Nil-			
30.	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. Feedback is obtained and proper follow up action is taken			
	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is their response of the department to the same?	Yes, feedback obtained is suitably incorporated			
	c) Alumni and employer response on the programmes and what is the response of the department to the same?	GOOD			
31.	List the distinguished alumni of the department (maximum 10)				
		Name	Current position		
1		K.Sathya	Asst. Professor of English(MASC)		
2		R.Malathi	Asst. Professor of English(MASC)		
3		K.Ragu	Asst. Professor of English(MASC)		
4		A.Venkatesan	Asst. Professor of English(MASC)		
5		P.Malathi	Asst. Professor of English(VICAS)		
6		S.Suguna	Asst. Professor of English(Muthayammal		
7		R.Revathi	Teacher (Sri Vidhya Mandhir HSS)		
8		M.Santhiya	Teacher (Kongnapuram School)		
9		V.Mohanbharathi	Asst. Professor of English(KSR Arts & Science		
10		P.S.Manikandan	Asst. Professor of English(Ganamani Engineering		
32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar)with External Experts.(*details are available in the department)				
Sl.No	Particulars of the events organized				

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1	<p>Seminar on ‘English Language Cosmos’(25/09/2010) Dr. A. Selvalakshmi, Sri Sarada college for women, Salem – 16. Dr. N.L. Vasuki, Bishop Heaber Trichy.</p>
2	<p>Seninar on ‘Eco consciousness in Literature’(25/08/2012) Dr.M.Nallathambi, Dhanalakshmi Engineering college, Peramalur.</p>
3	<p>State level seminar on ‘ELT: Use of Modern Techonology in learning and teaching the English language’(08/10/2014) Dr.B.J.Geetha, Asst. Professor of English, Periyar University, Salem-7</p>
4	<p>One Day State Level Workshop on ‘Learning and Teaching English Literature’ (09/10/2014) Mrs.K.Sindhu, Asst. Professor of English, Periyar University, Salem-7</p>
5	<p>One Day State Level Workshop on ‘Literary Forms and Terms’ (05/02/2013) S.T.Thirunavukarasu, Rtd.Professor, Government Arts and Science College, Salem-7</p>
6	<p>One Day State Level Workshop on ‘Usage of Grammar for Secondary Level’ (23/02/2012) Dr.A.Selvalakshmi, Director of Languages, Sri Saradha College for Women,Salem.</p>
33.	<p>List the Teaching Methods adopted by the faculty for different programmes.</p> <p>Blended teaching methodology augmented with classroom seminars, group discussions and assignments,</p>
34.	<p>How does the department ensure that programme objectives are constantly met and learning outcomes monitored?</p> <p>Objectives are constantly met by classroom teaching, discussion, assignments and outcome is monitored by test and end semester exam</p>
35.	<p>Highlight the participation of students and faculty in extension activities. We conduct Communication Classes for nearby Schools.</p>

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36.	Give details of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars Refer Q.No. 32
37.	State whether the programme/department is accredited/graded by other agencies. Give details.-NO-
38.	Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the
	<p>Strengths</p> <ul style="list-style-type: none"> • Demand for English teachers in schools and Colleges. • In order to get government jobs, after completing UG course students are interested to do B.Ed. • The student with good command over the English can get a chance to go abroad and to work in BPO companies to earn more. • Students can become good writers, journalist and columnist too. • Since English is a foreign Language, the students have more job opportunities overseas.
	<p>Weaknesses</p> <ul style="list-style-type: none"> • The students are from rural area so they are not able to communicate in English. • Since students medium of study is Tamil till +2 it takes times for him/her to cope-up. Some students find it very difficult.
	<p>Opportunities</p> <ul style="list-style-type: none"> • Curriculum can be designed to make students more employable • Provision for vertical mobility for students
	<p>Challenges</p> <ul style="list-style-type: none"> • Making collaborations with stake holders • Motivating students to participate in MTTTS programmes
39	<p>Future Plans of the Department.</p> <ul style="list-style-type: none"> • To apply for M.Phil., and Ph.D. in English • To apply for Grant in-aid for Conducting workshop and Seminars

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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	MATHEMATICS			
	Year of Establishment	1999			
2.	Names of Programmes/ Courses Offered	B.Sc[MATHEMATICS](1998-1999) B.Sc[MATHEMATICS]CA(2007-2008) M.Sc[MATHEMATICS](2003-2004) M.Phil[MATHEMATICS](2013-2014)			
3.	Interdisciplinary Courses and	Nil			
4.	Annual/Semester/Choice Based Credit System	Semester – Choice Based Credit System			
5.	Participation of the department in the courses offered by other departments	Course		Department	
		B.Sc. B.Com. B.Com. CA B.B.A. M.Com. M.Com. CA		Physics, Chemistry, Computer Science, BCA, Bio-Technology, Commerce, BBA.	
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	F	Sanctioned	Filled
		-	-	18	18
7.	Faculty Profile				
	Name of the faculty	Qualification	Area of specialization/ Interest	Years of Experience 31.07.2015	No. of PhD students guided in the last 4 years
	Dr.N.Palaniyappan	M.Sc.,M.Phil.,Ph.D	Fuzzy Algebra	35 Years	-
	Mr.P.Gopalakrishnan	M.Sc,M.Phil,	Complex Analysis	11 years	M.Phil-8
	Mr.C.Jayakumar	M.Sc,M.Phil,	Algebra	10 years	M.Phil-7
	Mr.V.Shanmugasundaram	M.Sc,M.Phil,	Statistics	9 years	-
	Mr.A.S.Thirumurugan	M.Sc,M.Phil,	Operation	10 years	-
	Mr.S.Sakthivel	M.Sc,M.Phil,	Graph Theory	9 years	M.Phil-5
	Ms.B.Vimalarani	M.Sc,M.Phil,	Statistics	5 years	-

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	Ms.V.Swarnalatha	M.Sc,(M.Phil), B.Ed.,	Differential Equations	4.5 years	-
	Ms.E.Mynavathi	M.Sc,(M.Phil)	Differential Equations	4.4 years	-
	Mr.A.Jothikannan	M.Sc,M.Phil,	Statistics	4.3 years	-
	Mr.M.Guhanathan	M.Sc,(M.Phil)	Differential Equations	2 years	-
	Mr.M.Dineshkumar	M.Sc,(M.Phil), B.Ed.,	Differential Equations	2 years	-
	Ms.S.Suganya	M.Sc,D.C.A, (M.Phil)	Differential Equations	6 Months	-
	Mrs.P.Nalini	M.Sc,(M.Phil)	Graph Theory	3 Years	-
	Ms.C.Sangeetha	M.Sc,M.Phil,	Graph Theory	2 Month	-
	Ms.R.Aswini	M.Sc,M.Phil,	Graph Theory	2 Month	-
	Ms.A.Saranya	M.Sc,(M.Phil)	Statistics	1 Month	-
	Mr.K. Nallathambi	M.Sc., M.Ed.,M.Phil	Differential Equations	2 Months	-
8.	Percentage of classes taken by temporary faculty-Programme-wise information	-			
9.	Programme-wise student teacher ratio	Programme		Student teacher ratio	
		B.Sc[Mathematics]		12:1	
		M.Sc[Mathematics]		7:1	
		M.Phil[Mathematics]		5:1	
10.	Number of Academic Support Staff(technical)and	Nil			

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11.	Number of faculty with ongoing projects from q) national r) international funding agencies and s) Total grants received. Mention names of funding agencies and grants received project-wise	Nil				
12.	Departmental projects funded by DST-FIST ; DBT, ICSSR, etc. ; total grants received	Nil				
13.	Research Facility/ Centre with State Recognition National Recognition International Recognition	M.Phil Mathematics – Periyar University.				
14.	Publications					
	Number of papers published in peer reviewed journals(national/intern	-	-	-	-	-
	Monographs	-	-	-	-	-
	Chapter(s) in Books	-	-	-	-	-
	Editing Books	-	-	-	-	-
	Books with ISBN numbers with details of publishers	-	-	-	-	-

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	Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Science Directory, EBSCO host, etc.)	-	-	-	-	-
	Citation Index – range/average	-	-	-	-	-
	SNIP	-	-	-	-	-
	SJR	-	-	-	-	-
	Impact factor-range/average	-	-	-	-	-
	h-index	-	-	-	-	-
15.	Details of patents and income generated	-				
16.	Areas of consultancy and income generated	Nil				
17.	Faculty recharging strategies	Based on the student feedback faculty development programmes were conducted.				
18.	Projects including inter-departmental	100%				
	Percentage of students doing projects in collaboration with industries	Nil				
19.	Awards / Recognitions received at the National and International Level by					
	Faculty	Nil				
	Doctoral/Post-Doctoral Fellows	Nil				
		S.No	Course	Name	Title	
		1	B.Sc Maths 2001 – 2003	M. Theresa	7 th Rank	
		2	B.Sc Maths 2003 – 2006	V. Archana	11 th Rank	
		3	B.Sc Maths 2003 – 2006	V. Parthiban	15 th Rank	

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Students	4	B.Sc Maths 2004– 2007	S. Saranya	9 th Rank		
	5	M.Sc Maths 2009-2011	R.Sathyabama	4 th Rank		
	6	B.Sc Maths	R.Ramya	Won the 3 rd Prize “State Level Science Exhibition Sponsor by Tamil Nadu Government Conducted by Periyar University.		
	7	M.Sc Maths	G.Prabavathi			
	8	B.Sc Maths	D.Kalavathi	Participated MTTS - 2011programme funded by national board for higher mathematics conducted by		
	9	B.Sc Maths	N.M.Priyaa	Scored 12 papers Centum Out of 28 Papers.		
20.	Seminars/ Conferences/Workshops organized and the source of funding(national / international)with details of outstanding any participants, if	S.No	Academic Year	Date	Particulars of the events organized	Total Members Participat ed
-Nil-						

21	Student profile course-wise:														
	Course	Year	Application s received	Selected			Pass Details								
				M	F	Total	Batch	Total							
							No.app	No. Passed	Pass%						
B.Sc[Maths]							2011-2012	65	11	44	55	2009-2012	53	48	90.56

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B.Sc[Maths]	2012-2013	64	11	46	57	2010-2013	53	46	86.79
B.Sc[Maths]	2013-2014	142	31	92	123	2011-2014	54	45	83.33
B.Sc[Maths]	2014-2015	147	44	89	133	2012-2015	52	40	76.92
M.Sc[Maths]	2011-2012	35	08	13	21	2010-2012	16	12	75
M.Sc[Maths]	2012-2013	48	13	27	40	2011-2013	21	18	86
M.Sc[Maths]	2013-2014	49	6	33	39	2012-2014	34	3	8.82
M.Sc[Maths]	2014-2015	35	7	27	34	2013-2015	33	10	30.33

22	Diversity of students:									
	Name of the Course	Batch	Students from the college		Students from the state	Students from other states		Students from other countries		Total
	B.Sc[Mathem	2011-2014	-	-	100%	-	-	-	-	100%
	M.Sc[Mathem	2011-2013	45	55%	45%	-	-	-	-	100%
	B.Sc[Mathem	2012-2015	-	-	100%	-	-	-	-	100%
	M.Sc[Mathem	2012-2014	-	50%	50%	-	-	-	-	100%
	B.Sc[Mathem	2013-2016	-	-	100%	-	-	-	-	100%
	M.Sc[Mathem	2013-2015	-	40%	60%	-	-	-	-	100%
	B.Sc[Mathem	2014-2017	-	-	100%	-	-	-	-	100%
	M.Sc[Mathem	2014-2016	-	40%	60%	-	-	-	-	100%
	B.Sc[Mathem	2015-2018	-	-	100%	-	-	-	-	100%
	M.Sc[Mathem	2015-2017	-	45%	55%	-	-	-	-	100%
23	How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations?									
	S. No	Competitive Exams	Total No. of students passed							
	1	TNPSC	2							
	2	TRB	1							
	3	TP	5							
	4	TET	6							
24.	Student Progression	Student Progression		Percentage against Enrolled						
		UG to PG		45%						

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		PG to M.Phil.	82%
		PG to Ph.D.	-
		Ph.D. to Post-Doctoral	-
		Employed • Campus Selection • Other than Campus Recruitment	30%
		Entrepreneurs	10%
25.	Diversity of Staff	Percentage of faculty who are graduates	
		Of the same parent university	62%
		From other universities within the State	38%
		From other universities from other States	Nil
26.	Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.	Nil	

27.	Present details about infrastructural facilities	
	a) Library	Annexure II
	b) Internet facilities for staff and students	Available
	c) Total number of classrooms	8
	d) Class rooms with ICT facility	1
	e) Students' laboratories	-
	f) Research laboratories	-

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28.	Number of students of the department getting financial assistance from College.	25 Students	
29.	Was any need assessment exercise Under taken before the development of new program(s)? If so, give the methodology.	No	
30.	Does the department obtain feedback from		
	a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department	Yes. Feedback is obtained and proper follow up action is taken	
	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?	Yes, feedback obtained is suitably incorporated	
	c) Alumni and employers on the programmes and what is the response of the department to the same?	Yes, Alumni and employers are involved in curriculum enrichment.	
31.	List the distinguished alumni of the department (maximum 10)		
S.No	Batch	Name	Current position
1	2004-2007	Vijayandran. R	Constable in Tamil Nadu Police.
2	2004-2007	Ravidaran. V	Constable in Tamil Nadu Police.
3	2007-2010	Priya. L	BT Assistant
4	2007-2010	Thulasimani. P	BT Assistant
5	2008-2011	Selvakumar. K	Constable in Tamil Nadu Police.
6	2008-2011	Prasanth.M	Constable in Tamil Nadu Police.

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7	2010-2012	Madhesh. T	BT Assistant
8	2010-2012	Mynavathi. M	BT Assistant
9	2011-2013	Idhaya. G	TNPSC GROUP-IV Typist
10	2011-2013	Saranya. R	BT Assistant
11	2011-2013	Sudha. C	BT Assistant
12	2012-2014	Priyanka. K	TNPSC GROUP-IV VAO
13	2013-2014	Sennakrishnan. S	PG ASSISTANT

32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar)with External Experts.(*details are available in the department)	Seminar	Workshop	National Seminar	Special Lecture	Total
		8	1	1	10	20
33.	List the Teaching Methods adopted by the faculty for different programmes. Blended teaching methodology augmented with classroom seminars, group discussions and assignments,.					
34.	How does the department ensure that programme objectives are constantly met and learning outcomes monitored? Objectivesareconstantlymethyclassroomteaching,discussion,assignmentsandoutcomeismonitored by test and end semester exam					
35.	Highlight the participation of students and faculty in extension activities. <ul style="list-style-type: none"> Staff Members are conducted various coaching classes to Schools, B.Ed Colleges, Engineering Colleges for attending all competitive exams 					

36.	Give details of “Beyond Syllabus scholarly Activities” of the Department. Organizing National & International Seminars:				
	1	2006-2007	9/9/2006 & 10/9/2006	State level seminar on application of mathematical Sciences.	335

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	2	2007-2008	1/3/2008	State level seminar on application of mathematical Sciences.	398
	3	2010-2011	15/2/2011	State level seminar on Graph Theory & its application.	407
	4	2011-2012	23/9/2011	National Conference on differential equations & its application	431
	5	2012-2013	7/9/2012	State Level Workshop on linear algebra & its Application	343
	6	2012-2013	22/2/2013	State Level Seminar on Applied Mathematics	457
	7	2013-2014	20/09/2013	State Level Workshop on Statistical methods & its Applications	433
	8	2013-2014	10/03/2014	State Level Seminar on Fuzzy Logic & its Applications	380

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	9	2014-2015	9/10/2014	One day Workshop on Mathematical modeling & its applications.	398
37.	State whether the programme /department is accredited/graded by other agencies. Give details. Nil				
38.	Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department				
	Strengths <ul style="list-style-type: none"> • Experienced staff • Student centered teaching and learning • Updated curriculum • Well motivated students • Well stacked library 				
	Weaknesses <ul style="list-style-type: none"> • Insufficient industry – institution interaction • Lack of proficiency in English. 				
	Opportunities <ul style="list-style-type: none"> • Curriculum can be designed to make students more employable • Provision for vertical mobility for students 				
	Challenges <ul style="list-style-type: none"> • Making collaborations with stakeholders • Motivating students to participate in MTTS programmes 				
39	Future Plans of the Department. <ul style="list-style-type: none"> • To provide better placement for students through industry- department interface. • To conduct national seminar on interdisciplinary subjects. 				

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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	PHYSICS			
	Year of Establishment	2001			
2.	Names of Programmes/Courses Offered	B. Sc PHYSICS – 2001-2002 M. Sc PHYSICS – 2003-2004 M.Phil PHYSICS - 2013-2014			
3.	Interdisciplinary Courses	NIL			
4.	Annual/Semester/Choice Based Credit System	B. Sc (PHYSICS), M. Sc (PHYSICS) and M.Phil (PHYSICS) – SEMESTER and CHOICE BASED CREDIT SYSTEM			
5.	Participation of the department in the courses offered by other departments	Course	Department		
		B. Sc	MATHEMATICS CHEMISTRY		
6.	Number of teaching posts sanctioned and filled PROFESSORS ASST. PROFESSORS	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
				02 08	02 08
7.	Faculty Profile				
	Name of the faculty	Qualification	Area specialization/ Interest	Years of Experience	No. of PhD students guided in
	Dr.V.Arulmoji	M.Sc., M.Phil., Ph.D., D.Sc.	Nano Tech.	17 Yrs	M.Phil. – 20 Ph.D. – 10
	Dr. K.VallalPeruman	M.Sc., M.Phil., Ph.D	Nano Tech.	5 Yrs	M.Phil-02
	Mr.V.Hariharan	M.Sc., M.Phil.,(Ph.d)	Nano science and technology and materials science	3.4 Yrs	-
	Ms. R. S. Bhuvuneshwari	M. Sc, B.Ed	Materials Science	2.11 Yrs	-
	Mr. A. Shanthakumar	M. Sc	Materials Science, Thin	2.11 Yrs	-
	Ms. P. Sangeetha	M. Sc, B.Ed	Crystal	1.1 Yrs	-
	Ms. V. Padmavathi	M. Sc	Materials	0.9 Yrs	-
	Mrs. V. Sathya	M. Sc, B. Ed	Ultrasonic	0.6 Yrs	-
	Mrs. R. Sridevi	M. Sc, M. Phil, B.Ed	Nano	0.1 Yrs	-
	Mr. V. Karthik	M. Sc, B. Ed	Materials Science	0.1 Yrs	-

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8.	Percentage of classes taken by temporary faculty- Programme-wise information	NIL	
9.	Programme-wise student teacher ratio	Programme	Student teacher ratio
		B.Sc	8:1
		M.Sc	5:1
		M.Phil	2:1
10.	Number of Academic Support Staff (technical) and Administrative Staff	LAB INSTRUCTOR : 01	
		LAB ATTENDER : 01	
11.	Number of faculty with ongoing projects from t) national u) international funding agencies and v) Total grants received. w) Mention names of funding agencies and grants received project-wise	NIL	
12.	Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received	NIL	
13.	Research Facility/Centre with State Recognition National Recognition International Recognition	M.Phil – PHYSICS – PERIYAR UNIVERSITY	
14.	Publications	ENCLOSED - ANNEXURE I	
	Number of papers published in peer reviewed journals (national/international)	46	
	Monographs	NIL	
	Chapter(s) in Books	NIL	
	Editing Books	NIL	
	Books with ISBN numbers with details of publishers	NIL	

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	Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Science Directory, EBSCO host,etc.)	NIL
	Citation Index – range/average	264
	SNIP	-
	SJR	-
	Impactfactor-range/average	1.94
	h-index	11
15.	Details of patents and income generated	NIL
16.	Areas of consultancy and income generated	Mahendra centre for servicing electronic goods - a service training centre of our department
17.	Faculty recharging strategy	Yes , Based on the student feedback faculty development programmes were conducted.
18.	Student projects	
	Percentage of students who have done in-house Projects including inter-	92%
	Percentage of students doing projects in collaboration with industries /institutes	08%
19.	Awards / Recognitions received at the National and International Level by	
	Faculty	NIL
	Doctoral/Post-Doctoral Fellows	NIL
	Students	NIL

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20.	Seminars/ Conferences/Workshops organized and the source of funding(national / international)with details of outstanding any participants	NATIONAL : 03 INTERNATIONAL : NIL								
S. No	Date	Topics	Name / Designation				Institute			
1	05.03.2003	Photo luminescence	Dr R.Udayakumar				Annamali University			
2	04.12.2004	Molecular Quantum mechanics	Dr P.Kulanthaivel				Bharathiyar University, Coimbatore			
3	22.07.2005	Bio Physics and crystallography	Dr Ponnusamy				Madras University			
4	13.09.2005	Mathematical Physics and Quantum methodology	Dr C. Palanisamy				PSG College, Coimbatore			
5	23.09.2005	Recent Advances in Material science	Dr M.Palanisamy				National College, Trichy			
6	19.06.2006	Thin films and its applications	Dr D.Mangal Raj				Bharathiyar University, Coimbatore			
7	26.06.2006	Semiconductor materials and nano crystals	Dr. Ravichandiran				National College, Trichy			
8	23.09.2009	Nanotechnology	Dr S.Krishnan				Pavai Engineering College, Pachal			
9	12.08.2011	Recent development in Advanced material s and its applications	Dr. Krishnakumar Dr. Anbarasan				Periyar University			
10	19.09.2011	Nanotechnology in Bio- medical applications	Dr N.Ponpandian				Department of Nanotechnology, Bharathiyar University, Kovai			
11	31.08.2012	Advances in material science and spectroscopy	Dr G.Rajarajan & Dr K.M. Govindaraj,				Mahendra Engineering College, Mallasamudram			
21	Student profile course-wise									
	Course	Year	Applications received	Selected			PassDetails			
				M	F	Total	Batch	Total		
								No.app	No.passed	Pass%
	B. Sc	2011-12	13	7	6	13	2011-2014	13	10	77
	B. Sc	2012-13	16	6	10	16	2012-2015	16	12	75
	B. Sc	2013-14	16	9	7	16	2013-2016	16	6	38.64
	B. Sc	2014-15	16	9	7	16	2013-2016	17	10	58.8
	M. Sc	2011-12	17	10	7	17	2011-2014	17	13	76
	M. Sc	2012-13	5	1	4	5	2012-2015	5	3	60
	M. Sc	2013-14	5	2	3	5	2013-2016	5	4	80
	M. Sc	2014-15	5	2	3	5	2014-2017	13	12	92.3
22	Diversity of students									

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	Name of the Course	Batch	Students from the college	Students from the state	Students from other states	Students from other countries	Total
	B. Sc	2011-2014		100			100
	B. Sc	2012-2015		100			100
	B. Sc	2013-2016		100			100
	B. Sc	2014-2017		100			100
	M. Sc	2011-2013		85.7	14.3		100
	M. Sc	2012-2014		90	10		100
	M. Sc	2013-2015		88.8	11.2		100
	M. Sc	2015-2017		100			100
23.	How many students have cleared Civil Services, Defense Services, NET, SET, GATE and any other competitive examinations? NIL						
24.	Student Progression	Student Progression		Percentage against Enrolled			
		UG to PG		85%			
		PG to M.Phil.		35%			
		PG to Ph.D.		NIL			
		Ph.D. to Post-Doctoral		NIL			
		Employed		80%			
		<ul style="list-style-type: none"> • Campus Selection • Other than Campus Recruitment 					
		Entrepreneurs		20%			
25.	Diversity of Staff	Percentage of faculty who are graduates					
		Of the same parent university			88.8%		
		From other universities within the state			11.2%		
		From other universities from other states			NIL		
26.	Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period	NIL					
27.	Present details about infrastructural facilities						
	a) Library	Enclosed - ANNEXURE II					
	b) Internet facilities for staff	Available					

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	c) Total number of classrooms	08
	d) Class rooms with ICT facility	NIL
	e) Students' laboratories	02
	f) Research laboratories	01
28.	Number of students of the department getting financial assistance from College.	SC/ST SCHOLARSHIP : 07 FARMER PROTECTION SCHEME : 05 FINANCIAL ASSISTANCE FROM COLLEGE : 04
29.	Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.	NIL
30.	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. Feedback is obtained and proper follow up action is taken
	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?	Yes, feedback obtained is suitably incorporated
	c) Alumni and employee person the programmes and what is the response of the department to the same?	Participating in various department and college level activities
31.	List the distinguished alumni of the department (maximum 10)	
	Name	Current position
1	R. S. BHUVANESHWARI	AP, MAHENDRA ARTS AND SCIENCE
2	V. KARTHIK	AP, MAHENDRA ARTS AND SCIENCE
3	B. GOWSALYA	VIDYA MANDHIR HR SEC SCHOOL,
4	K. SHYAMALA	AP, GANESH COLLEGE OF ARTS AND
5	PRABU DASS	AP, GANESH COLLEGE OF ARTS AND
6	G. BRINDA VANAM	HOUSE WIFE

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7	S. RAMYA	DOING Ph.D, ANNAMALAI UNVIERSITY																																			
8	S. MEYYVEL	ASSISTANT PROFESSOR , CN COLLEGE,																																			
9	SOUNDAR RAJAN	DOING Ph.D, ANNAMALAI UNIVERSITY																																			
10	K. KUMAR	DOING Ph.D, ANNAMALAI UNIVERSITY																																			
32.	GivedetailsofStudentEnrichmentProgrammes (Special Lectures /Workshops/Seminar)withExternalExperts. (*detailsareavailableinthedepartment)	REFER QUESTION 20																																			
33.	List the Teaching Methods adopted by the faculty for different programmes. 1. ONLINE & DEMO CLASS 2. PPT 3. GROUP DISCUSSION 4. BASICS THROUGH BRIDGE COURSES 5. WARD SYSTEM Blendedteachingmethodologyaugmentedwithclassroomseminars,groupdiscussionsandas signments,																																				
34.	Howdoesthedepartmentensurethatprogrammeobjectivesareconstantlymet andlearningoutcomesmonitored? Objectivesareconstantlymetbyclassroomteaching,discussion,assignmentsandoutcomeismo nitored by test and end semesterexam.																																				
35.	Highlighttheparticipationofstudentsandfacultyinextensionactivities. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S.No</th> <th>Programme</th> <th>2011 – 2012</th> <th>2012 – 2013</th> <th>2013 – 2014</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>National Service Scheme (NSS)</td> <td>07</td> <td>08</td> <td>08</td> </tr> <tr> <td>2</td> <td>Youth Red Cross (YRC)</td> <td>07</td> <td>08</td> <td>08</td> </tr> <tr> <td>3</td> <td>Red Ribbon Club (RRC)</td> <td>07</td> <td>08</td> <td>08</td> </tr> <tr> <td>4</td> <td>Citizen Consumer Club (CCC)</td> <td>04</td> <td>06</td> <td>05</td> </tr> <tr> <td>5</td> <td>Entrepreneur Development Cell (EDC)</td> <td>-</td> <td>-</td> <td>12</td> </tr> <tr> <td>6</td> <td>YOGA</td> <td>16</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	S.No	Programme	2011 – 2012	2012 – 2013	2013 – 2014	1	National Service Scheme (NSS)	07	08	08	2	Youth Red Cross (YRC)	07	08	08	3	Red Ribbon Club (RRC)	07	08	08	4	Citizen Consumer Club (CCC)	04	06	05	5	Entrepreneur Development Cell (EDC)	-	-	12	6	YOGA	16	-	-	
S.No	Programme	2011 – 2012	2012 – 2013	2013 – 2014																																	
1	National Service Scheme (NSS)	07	08	08																																	
2	Youth Red Cross (YRC)	07	08	08																																	
3	Red Ribbon Club (RRC)	07	08	08																																	
4	Citizen Consumer Club (CCC)	04	06	05																																	
5	Entrepreneur Development Cell (EDC)	-	-	12																																	
6	YOGA	16	-	-																																	
36.	Give details of “Beyond Syllabus Scholarly Activities” of the Department. Organizing National & International Seminars REFERE QUESTION 20																																				
37.	Statewhethertheprogramme/departmentisaccredited/gradedbyotheragencies.Givedetails. NIL																																				

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38.	Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department
	<p>Strengths</p> <ul style="list-style-type: none">• Experienced staff• Student centered teaching and learning• Updated curriculum• Well motivated students• Well stacked library
	<p>Weaknesses</p> <ul style="list-style-type: none">• Scientific laboratories to be visited by the students• Lack of communication skills in English <p>Opportunities</p> <ul style="list-style-type: none">• Students are able to enrich their knowledge through various laboratories and industries• 100% employability for the students
	<p>Challenges</p> <ul style="list-style-type: none">• Encouraging the students to solve social relevant scientific problems• Enable the students to meet various scientific platforms
39	<p>Future Plans of the Department.</p> <ul style="list-style-type: none">• To develop international level well equipped research laboratories• To extend the scientific collaborations with various reputed institutions• To update the students in various aspects of Physics by conducting seminars/workshops

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EVALUATIVE REPORT OF THE DEPARTMENT

1.	Name of the Department	Tamil			
	Year of Establishment	2004			
2.	Names of Programmes/Courses Offered	B.A – Tamil (2004 – 2005) M.A – Tamil (2005 – 2006) M.phil – Tamil (2005 – 2006) Ph.D – Tamil (2005 – 2006)			
3.	Names of Interdisciplinary Courses and the Departments/units involved	Nil			
4.	Annual/Semester/Choice Based Credit system	Semester & Choice Based Credit System			
5.	Participation of the department in the courses offered by other departments	Course	Department		
		B.A, B.sc, B.com, BBA, B.com (CA), BCA	English, Mathematics , Physics, Chemistry, Commerce, Computer Science, Bio – Technology, Computer		
6.	Number of teaching posts sanctioned and filled	Aided		Management	
		Sanctioned	Filled	Sanctioned	Filled
		-	-	13	13
7.	Faculty Profile				
	Name of the faculty	Qualification	Area of specialization/ Interest	Years of Experience	No. of PhD students guided in the last 4years
	Dr. K. Gandhi	M.A.,M.phil.,Ph.D	Moral Literature	11.7 yrs	Ph. D – 8 Doing
	Dr. R. Sundaramoorthy	M.A.,M.phil., ,	Folklore	11.4 yrs	Ph. D – 1 Doing
	Dr. G. Poongavanam	M.A.,M.phil., ,Ph.D	Sangam Literature	9.8 yrs	-
	Dr. A. Jayakumar	M.A.,M.phil., ,Ph.D	Sangam Literature	9 yrs	-

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	Dr. N. Sivasubramani	M.A.,M.phil.	Mass Communicatio	5 yrs	Ph. D – 1 Doing
	Dr. S. Niranjadevi	M.A.,Ph.D	Modern Literature	5 yrs	-
	Dr. K. Vinodhkumar	M.A.,B.Ed., Ph.D	Sangam Literature	1.11 yrs	-
	Mr. S. Balamurugan	M.A.,M.phil. TPT	Kappiyankal	8.7 yrs	-
	Mr. T. Elumalai	M.A.,B.Ed., M.phil.	Modern Literature	5 yrs	-
	Ms. K. Manimekalai	M.A.,B.Ed., M.phil	Modern Literature	3 yrs	-
	Mr. G. Natarajan	M.A.,M.Ed., M.phil	Sangam Literature	2 yrs	-
	Mrs. G. Suseela	M.A.,M.phil. ,TPT	Sangam Literature	1.2	-
	Ms. M. Kokila	M.A.,B.Ed., M.phil	Moral Literature	8 months	-
8.	Percentage of classes taken by temporary faculty-Programme-wise information	Nil			
9.	Programme-wise student teacher ratio	Programme		Student teacher ratio	
		B .A		6 : 1	
		M.A		2 : 1	
		M.phil		4 : 1	
		Ph.D		8 : 1	
10.	Number of Academic Support Staff(technical)and AdministrativeStaff	Nil			

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11.	Number of faculty with ongoing projects from national international funding agencies and Total grants received. Mention names of funding agencies and grants received project-wise	Nil				
12.	Departmental projects funded by DST-FIST;DBT,ICSSR,etc.; total grants received	Nil				
13.	Research Facility/Centre with State Recognition National Recognition International Recognition	Recognized by the Periyar University – M.phil & Ph.D				
14.	Publications	ENCLOSED ANNEXTURE - I				
	Number of papers published in peer reviewed journals(national/international)	-	-	-	-	-
	Monographs	-	-	-	-	-
	Chapter(s) in Books	-	-	-	-	-
	Editing Books	-	-	-	-	-
	Books with ISBN numbers with details of publishers	Title of the Book	Name of the Publisher	ISSN/ISBN	Year	
		Valluvar oru Samugaviyalalar	Kandan pathipagam, Vilupuram	978-81-90717847	2008	
		Perunchitharanar Uraiyl Ilakiya Sinthanaikal	Kandan pathipagam, Vilupuram	978-81-9071789-2	2008	
		Ulaviyal Nokil Sivakamiyin Sapatham	Kandan pathipagam, Vilupuram	978-81-907178-8-5	2008	

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			Agananutril Palai Nilam	Pallavi Pathipagam, Erode	978-81-89840-39-6	2008
			Agananutril Pengal	Pallavi Pathipagam, Erode	978-81-89840-40-2	2008
			Atrupadi Noolgali Nattuvalam	Pallavi Pathipagam, Erode	978-81-89840-41-9	2008
	Number listed in International Database(For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database –International Social Science Directory, EBSCO host, etc.)					
	Citation Index – range/average	-	-	-	-	
	SNIP	-	-	-	-	-
	SJR	-	-	-	-	-
	Impact factor- range/average	-	-	-	-	-
	h-index	-	-	-	-	-
15.	Details of patents and income generated	-				
16.	Areas of consultancy and income generated	MOU Signed with MNW, Mahima Technologies, Mailai Thiruvalluvar Tamil Sangam, Chennai for training the employees for using Research tools.				
17.	Faculty recharging strategies	Yes , Based on the student feedback faculty development programmes were conducted.				
18.	Student projects	100%				
	Percentage of students who have done in-house	Nil				
	Projects including inter-departmental					
	Percentage of students doing projects in collaboration with industries /institutes					

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19.	Awards / Recognitions received at the National and International Level by			
	Faculty	National - 6		
	Doctoral/Post-Doctoral Fellows	Doctoral Fellow - 1		
	☒ Students	Academic Year	Course	University Rank Holders
		2005 – 2006	M.A. Tamil	Kelandavelu – 14 th Rank
		2006 – 2007	M.A. Tamil	B.Manonmani – 3 rd Rank
		2007 – 2008	M.Phil. Tamil	K.Hemalatha – 2 nd Rank
		2007 – 2008	M.Phil. Tamil	K.Elangothai – 10 th Rank
		2008 – 2009	M.Phil. Tamil	M.Santhi – 3 rd Rank
		2008 – 2009	M.Phil. Tamil	A.Ragupatha – 9 th Rank
		2009 – 2010	M.Phil. Tamil	S.Karthikeyan – 9 th Rank
		2011 – 2012	M.Phil. Tamil	S.Hemalatha – 1 st Rank – Gold Medal
		2011 – 2012	M.A Tamil	M.Preetha – 2 nd Rank
		2011 – 2012	M.Phil Tamil	S.Palaniammal – 3 rd Rank
		2011 – 2012	M.Phil Tamil	R. Rathidevi – 3 rd Rank
		2011 – 2012	M.Phil Tamil	G. Natarajan – 4 th Rank
		2011 – 2012	M.Phil Tamil	P. Nithyapriya – 6 th Rank
		2013 – 2014	B.A. Tamil	C. Meena – 1 st Rank Gold Medal
		2013 – 2014	M.A. Tamil	T. Geetha - 1 st Rank Gold Medal
		2013 – 2014	M.Phil. Tamil	N. Seetha - 1 st Rank Gold Medal
20.	Seminars/ Conferences/Workshops organized and the source of funding (national / international)with details of outstanding any participants, if	Sl. No	Particulars of the events organized	
		4	16-25 November 2012 “Tamil Seviyal Ilakiyathil Samugaviyal Velipadukal” (10 days Workshop) Organized by Central Institute Classical Tamil, Chennai. And Mahendra Arts and Science College Tamil Department.	
		2	18 – 20 February 2015 “Tholkappiya Marapum Sanga Ilakiyamum” (3 days Seminar) Organized by Central Institute Classical Tamil, Chennai. And Mahendra Arts and Science College Tamil Department.	
		1	2013-2014	C. Meena Tammiradu vision 2024
21	Student profile course-wise			
		2	2012-2013	C. Meena Andal Thirupavai Oppitha
				K. Elavarasam Erode Lions Club, writing

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	Course	Year	Applications received	Selected			Pass Details				
				M	F	Total	Batch	Total			
								No.app	No. passed	Pass%	
	B.A[Tamil]	2011-2012	5	1	4	5	2009-2012	09	08	89	
	B.A[Tamil]	2012-2013	8	-	7	7	2010-2013	14	11	79	
	B.A[Tamil]	2013-2014	27	8	19	27	2011-2014	05	04	80	
	B.A[Tamil]	2014-2015	37	13	24	37	2012-2015	07	07	100	
	M.A[Tamil]	2011-2012	19	10	09	19	2010-2012	11	11	100	
	M.A[Tamil]	2012-2013	03	-	03	03	2011-2013	18	17	94.44	
	M.A[Tamil]	2013-2014	06	03	03	06	2012-2014	03	03	100	
	M.A[Tamil]	2014-2015	10	01	09	10	2013-2015	05	05	100	
	M.phil[Tamil]	2011-2012	15	01	14	15	2011-2012	15	15	100	
	M.phil[Tamil]	2012-2013	13	05	08	13	2012-2013	13	13	100	
	M.phil[Tamil]	2013-2014	15	09	06	15	2013-2014	09	09	100	
	M.phil[Tamil]	2014-2015	26	10	16	26	2014-2015	17	-	-	
22	Diversity of students										
	Name of the Course	Batch	Students from the college		Students from the state		Students from other states		Students from other		Total
	B.A(Tamil)	2011-2014	-	-	100%	-	-	-	-	-	100%
	M.A (Tamil)	2011-2013	-	55%	45%	-	-	-	-	-	100%
	B.A(Tamil)	2012-2015	-	-	100%	-	-	-	-	-	100%
	M.A (Tamil)	2012-2014	-	50%	50%	-	-	-	-	-	100%
	B.A(Tamil)	2013-2016	-	-	100%	-	-	-	-	-	100%
	M.A (Tamil)	2013-2015	-	40%	60%	-	-	-	-	-	100%
	B.A(Tamil)	2014-2017	-	-	100%	-	-	-	-	-	100%
	M.A (Tamil)	2014-2016	-	40%	60%	-	-	-	-	-	100%
	B.A(Tamil)	2015-2018	-	-	100%	-	-	-	-	-	100%
	M.A (Tamil)	2015-2017	-	45%	55%	-	-	-	-	-	100%
	M.phil (Tamil)	2011 - 2012	-	60%	40%	-	-	-	-	-	100%
	M.phil (Tamil)	2012 - 2013	-	50%	50%	-	-	-	-	-	100%
	M.phil (Tamil)	2013 - 2014	-	40%	60%	-	-	-	-	-	100%
	M.phil (Tamil)	2014 - 2015	-	60%	40%	-	-	-	-	-	100%
	M.phil (Tamil)	2015 - 2016	-	20%	80%	-	-	-	-	-	100%
23	How many students have cleared Civil Services, Defense Services, NET,SET,GATE and any other competitive examinations?										

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	S. No	Competitive Exams	Total No. of students passed
	1	TNPSC	2
	2	TRB	5
	3	TET	10
	4	SLET/NET	06
24.	Student Progression	Student Progression	Percentage against Enrolled
		UG to PG	48%
		PG to M.phil.	80%
		PG to Ph.D.	14 %
		Ph.D. to Post-Doctoral	-
		Employed • Campus Selection • Other than Campus Recruitment	Nil 10%
		Entrepreneurs	10%
25.	Diversity of Staff	Percentage of faculty who are graduates	
		Of the same parent university	50%
		From other universities within the State	50%
		From other universities from other States	Nil
26.	Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.	7	
27.	Present details about infrastructural facilities		
	a)Library	Enclosed - ANNEXTURE - II	
	b) Internet facilities for staff and students	Available	
	c)Total number of classrooms	6	
	d) Class rooms with ICT facility	1	
	e) Students' laboratories	Nil	
	f) Research laboratories	Nil	

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28.	Number of students of the department getting financial assistance from College.	7				
29.	Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.	Nil				
30.	Does the department obtain feedback from	Nil				
	a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?	Yes. Feedback is obtained and proper follow up action is taken				
	b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?	Yes, feedback obtained is suitably incorporated				
	c) Alumni and employers on the programmes and what is the response of the department to the same?	Yes, Alumni and employers are involved in curriculum enrichment.				
31.	List the distinguished alumni of the department (maximum 10)					
S. No	Batch	Name	Current position			
1	2004 - 2007	M. Rajkumar	BT Assistant			
2	2004 - 2006	Rangarajan	BT Assistant			
3	2011 - 2013	K. Kowsalya	BT Assistant			
4	2011 - 2013	M. Puspha	PG Assistant			
5	2012 - 2013	M. Vijaya	TNPSC – Junior Assistant			
6	2012 - 2013	P. Santhi	BT Assistant			
32.	Give details of Student Enrichment Programmes (Special Lectures /Workshops/Seminar) with External Experts. (*details are available in the department)	Seminar	Workshop	National Seminar	Special Lecture	Total
		2	3	1	10	16

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33.	<p>List the Teaching Methods adopted by the faculty for different programmes.</p> <p>Blended teaching methodology augmented with classroom seminars ,group discussions and assignments,.</p>
34.	<p>How does the department ensure that programme objectives are constantly met and learning outcomes monitored?</p> <p>Objectives are constantly met by classroom teaching, discussion, assignments and outcome is monitored by test and end semester exam</p>
35.	<p>Highlight the participation of students and faculty in extension activities.</p> <ul style="list-style-type: none"> • NSS • YRC • CCC • RRC • Staff Members are conducted various coaching classes to Schools, B.Ed Colleges, for attending all competitive exams.
36.	<p>Give details of “Beyond Syllabus Scholarly Activities” of the Department. Organising National & International Seminars</p> <ul style="list-style-type: none"> • State level Seminar 2 • National level Seminar 1 • Workshop 3
37.	<p>State whether the programme/department is accredited/graded by other agencies. Give details.</p> <p>ISO NAAC</p>
38.	<p>Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department</p> <p>Strength</p> <ul style="list-style-type: none"> • Experienced staff • Student centered teaching and learning • Updated curriculum • Well motivated students • Well stacked library <p>Weaknesses</p> <ul style="list-style-type: none"> • Admission of the students came down because of competition from nearby Government colleges. • Students who got low marks in +2 and attempt students joined in B.A. Tamil course. • Students have no awareness of the job opportunities.

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	Opportunities <ul style="list-style-type: none">• If Tamil Literature is learnt, you could easily get successes in IAS, IPS, TNPSC and other competitive examinations• They can become journalist and writers• They can write stories for cinema and small screen• They can become news reader and play Wright• They can become school staff and college Professor
	Challenges <ul style="list-style-type: none">• To implement new technological method in the university syllabus along with computer science• Inter disciplinary research with other departments• To bring out new type of research• To become guide in temple and historical tourist place(Travelogue)
39	Future Plans of the Department. <ul style="list-style-type: none">• To provide better placement for students through department interface Coaching Class• To conduct national seminar on inter disciplinary subjects

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DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced. I am aware that the Peer Team will validate the information provided in this SSR during the peer team visit.



Signature of the Head of the Institution with seal

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
KALIPPATTI - 607 501.
NAMAKKAL DT.

Place: Kalippatti

Date: 06-08-2015

Mahendra Arts & Science College (Autonomous)

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Mahendra Arts & Science College fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.


In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 06.08.2015

Place: Kalippatti


Principal/Head of the Institution
[Prof. Dr. R.K. VAITHYANATHAN]
(Name and Signature with Office seal)

PRINCIPAL,
MAHENDRA ARTS & SCIENCE COLLEGE
KALIPPATTI - 637 501,
NAMAKKAL DT.

ANNEXURES ARE MAINTAINED SEPERATELY