



# SELF STUDY REPORT

Submitted to



NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
Bangalore

September 2014

**MUTHAYAMMAL**  
**COLLEGE OF ARTS & SCIENCE**

Approved by AICTE, New Delhi & Affiliated to Periyar University, Salem  
Rasipuram – 637 408, Namakkal District.,  
Tamil Nadu

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# About the Institution

## ABOUT THE INSTITUTION

Muthayammal College of Arts & Science (MCAS), Rasipuram is one of the eminent and well-reputed self financing colleges in Tamil Nadu. This institution took off its flight with a higher sense of commitment and conviction to serve the cause of the rural students. It has been relentless in its mission to seek, strive and achieve dizzy heights in arts and science by imparting quality education. The college got it approved by the Tamil Nadu Government in 1994 (G.O No: 748, dated: 31/08/1994).

MCAS embarked on its educational career in 1994 with only 5 undergraduate courses. At the time of inception, 83 students enrolled themselves to pursue their studies. Since its establishment, it has been a steady growth despite journeying through challenges and the college has grown from strength to strength to feed education at present to a mass of 4376 students.

The college is actually situated 5 km. away on the east from Rasipuram town on the Rasipuram-Attur highway in the Namakkal Dt. in the state of Tamilnadu. It is a co-educational college, affiliated to Periyar University, Salem. Though the college is located in South India, it magnetizes students from other states of India and particularly from the north-eastern states like Manipur, Tripura etc. Some of the students from foreign countries like Kenya, Rwanda, Somalia, Yemen, Sri Lanka and Bhutan have also enrolled themselves as the students of MCAS.

The college offers 16 Undergraduate, 15 Postgraduate, 8 M.Phil., and 4 Ph.D., programmes catering to the changing needs of the industry. A modern animal house is the latest addition and this institution is the first among the colleges affiliated to Periyar University to obtain ethical clearance from the Ministry of Environment and Forests (Reg. No. 1416/a/11/CPCSEA).

The learning environment in the college brings together the best of infrastructure and human resource, thereby enriching the treasure trove of knowledge. Our Management is committed to provide a high level of quality education in the campus with an excellent state-of-the-art infrastructure providing adequately spacious class rooms, laboratories, play fields and administration block.

Apart from a well designed curriculum for each subject, the college places equal importance on all-round development of the student. The striking features that inspire the parents to admit their wards in this institution are its prominence in maintaining discipline and the excellent performance of the students in the university examinations in which our students prove their mettle by winning gold medals and university ranks and also by winning laurels in sports and games. The college sees knowledge assimilation as an

opportunity to encourage creative and innovative strategies to mastering the subject.

A fleet of 59 buses provides transport to about 3500 day scholars. The college provides very valuable additional skill-oriented programmes shelving in mind the necessity to maintain relevance to regional and global employment markets. The college encourages the students to undertake a few of the 22 value-added programmes for purpose of which MCAS has signed MOU with the respective associations. The curriculum is also enriched by conducting some certificate courses.

MCAS imparts higher education by infusing initiatives in all our endeavors and encourages intellectual, emotional and spiritual growth. The college aims at nurturing a committed, knowledgeable and socially responsible generation. The college adopts strategies to attain milestones without compromising on the quality of education. The college fondly works at the grass-root levels by making education their intimate duty. It enriches their skills and eventually extricates them from the clutches of social and economic binds.

Executive  
Summary -  
SWOC  
Analysis

## A. EXECUTIVE SUMMARY

Muthayammal College of Arts & Science (MCAS), Rasipuram is a self-financing institution. The college launched its mission in 1994. It has been managed by Muthayammal Educational and Charitable Trust. The college offers 16 Undergraduate, 15 Postgraduate, 8 M. Phil and 4 Ph. D programmes catering to the changing needs of the industry.

### Curriculum Design and Development

As an affiliated college to Periyar University, Salem, Muthayammal College of Arts & Science, Rasipuram follows the curriculum prescribed by the university. The curriculum is enriched by the conduct of several value added and some certificate courses based on the current requirements of the students. The problems and anomalies faced by the students in the curriculum and their positive suggestions are brought to light by getting feedback from the students as well as from other stakeholders which are taken to the respective boards of studies of the University for redressal, thereby bringing in appropriate modifications. Semester pattern is followed with Choice Based Credit System (CBCS) that provides the students greater flexibility in choosing the subjects of their choice according to their aptitude and career planning.

MCAS has a curriculum development cell which includes a band of external members. This cell is responsible for effective and efficient implementation of the curriculum.

Being aware of the fact that computer knowledge has become indispensable and inevitable for any person in any walk of life, special care is taken to see that each student of the college is taught computer education so as to enhance his employability.

### Teaching - Learning and Evaluation

Around ninety percent of the students are derived from the rural background and from the economically poor sections of the society. Most of them belong to the category of “1<sup>st</sup> generation of college students” in their respective families. Bridge courses are conducted to address their deficiencies. Most of the students are subjected to medium change. To improve their language competency, the college has set up an English Communication Laboratory at a great cost. Our admission policy is transparent and admission procedures are advertised in News Papers, College Website, Flex boards, Television and Handbills.

The quality of education of an institution directly depends upon the caliber, competence, expertise and performance of a teacher. Therefore, in matters of recruitment, the candidate’s educational qualification, experience and performance at the interview are considered. After recruitment, the teachers are oriented to equip their teaching skills. In delivering lectures,

besides the conventional ‘chalk and talk’ method, new and modern methods are followed. Teachers make use of charts, over-head projectors, models, LCD etc. Special programmes are devised to enable the teachers to update and enhance their knowledge. Teachers at MCAS are well trained, experienced and highly qualified and they always serve with a deep sense of devotion, dedication and determination. Performance of a teacher is carefully and constantly monitored and evaluated using various academic parameters and feedback information collected from the students.

Students are engaged in individual learning, group learning or team learning. Field visits undertaken every year to industries in relevance to the subjects enable the students to gain firsthand knowledge. Monthly tests, mid-semester examinations and end of semester examinations are systematically conducted. In-short, activities of the institutions are planned in such a way that it ensures the holistic and all-round development of the students. The behavior and performance of the students are periodically conveyed to their parents and remedial measures are taken.

Extra and special care is bestowed on the below-average and physically disabled students by organizing extra coaching classes and counseling. Encouragement, motivation and inspiration are our tools to infuse confidence and courage in these students who would soon emerge victorious in their missions.

### Research, Consultancy and Extension

All possible steps are being taken to promote research and development. Teachers are encouraged to pursue research and become qualified for doctoral degrees. It is a matter for gratification that many of our staff members are doctorates and some are on their way to become doctorates. Out of the 16 departments, eight are recognized as centers for research offering M. Phil., or Ph. D., programmes or both. Instructions have been given to research scholars to undertake research connected with industries prominent in and around Rasipuram. 25 of our staff members have been recognized as research guides.

A research cell functions in the college. Our college library has subscribed to as many as 60 research journals/periodicals. e-journals are also made available. Our support to research includes a round-the-clock internet facility and the publication of a research journal titled “MCAS journal of research. MCAS has conducted many national level/state level seminars, symposia or work-shops etc. Our students and staff members are encouraged to participate in seminars and other programmes conducted by other colleges/Universities etc., and present papers.

As a helpful gesture of offering our expertise to the community, the institution provides some consultancy services taking into account the demands/ requirements of the public and the expertise available with the college.



Extension activities are undertaken by all the students, particularly by NSS, RRC, and YRC candidates. Extra-curricular programmes help in instilling a spirit of social consciousness and sacrifice for the sake of fellow human beings in the minds of students. YRC students organize blood donation camps and rallies to create awareness about the significance of blood donation, eye donation and whole body donation etc.

NSS students help the society in various ways. They organize medical camps for the benefit of poor rural masses, render service whenever polio-drop camps are conducted by the government agencies and try to create a green environment in neighboring villages by planting as many saplings as possible. They also help the police in maintaining law and order at times of festivals and functions. They render invaluable assistance in streamlining the transport and according ceremonial welcome to reputed celebrities during their visits to the college.

The institution has already been carrying out many extension activities. Realizing the wider scope of rendering service to the rural folk, the institution has established a Community College as an individual identity.

### Infrastructure and Learning Resources

The Management has taken utmost pains to create the best infrastructure ideal for good academic ambience conducive for excellent teaching and learning. Spacious and airy, well furnished class rooms, ultra-modern science laboratories with costly and sophisticated equipments have been made available. The institution has set up seven high-tech computer laboratories equipped with 548 computer systems sufficient to offer IT services to the huge number of students. An R.O water plant ensures the supply of safe drinking water to all in the college and the hostels. To manage power cut, two generators have been installed at the college to supply an uninterrupted power.

Two separate hostels, one for boys and the other for girls, accommodate about 473 inmates who belong to distant places. A fleet of 59 buses provide much-needed safe, secure, easy and economical transport to more than 3500 day- scholars, many of whom would not have continued their studies but for this facility. A spacious and well maintained play-ground and all required article of sports and games, encouragement by the Management and the teachers and awards and rewards extended by the Management make MCAS a haven for sports students. MCAS sports men and sports women are the winners or runners in many of the inter-collegiate events and open tournaments.

During the last academic year, an ultra-modern canteen was added to our infrastructure. Sanitary facilities are very well maintained at the college and the hostels.

MCAS has four libraries, one general, two departmental and the other exclusively for MCA course. The general library accommodates about 23762 volumes, 60 research journals/periodicals, reference books, CDS', e-journals etc.

### **Student Support and Progression**

Slow-learners are given special attention and extra coaching classes are organized during holidays. Individual attention to each student is made feasible by the tutorial ward system. A tutor is expected to have a thorough understanding about his ward's family background, social status, personal problems and difficulties and render help, guidance and counseling. Programmes are conducted to prepare the students for various competitive examinations held by the state/central governments.

Around nine hundred and seventy five students have been the beneficiaries of institutional scholarships/freeships for the past four years. The institution offers Group Insurance Scheme to the students. This insurance coverage has been made available since 2008. The institution has a registered "Alumni Association". The Alumni Association holds "Motivation Programmes" periodically. Outstanding students in the University examinations and sports are duly honored with gold coins at the time of annual day celebration.

The institution has set up a placement cell which strives, in all possible manners, to find suitable placements for our students. That in the academic year 2013-14 alone, as many as 246 students were placed is an ample testimony to the herculean efforts taken by the institution and to the interest evinced by the teachers in the welfare and progress of the students. The placement cell organizes many interviews in collaboration with many MNC's, besides conducting many mock interviews.

We regularly monitor the students' progression with a view to find out the percentage of progression. This exercise reveals the fact that a good number of successful students would like to pursue higher education.

The extraordinary talents dormant in the students have been tapped and encouraged. The students have excelled in the inter-collegiate, state level and national level tournaments. The Cultural Club of our college organizes dancing, singing, competitions, etc. YRC wing of the college organizes blood donation camps. NSS unit quite often does service to the community.

### **Governance, Leadership and Management**

The institution has a well-formulated road map according to which the strategies for implementation are brain-stormed and the efforts are initiated. The Motto of the college itself is 'learn-lead'. One of the objectives of education is to inculcate leadership quality in the minds of students. To achieve this objective, students are given representation in various cells

functioning in the college. Their participation is encouraged in the conduct of functions, programmes, seminars and celebrations.

In the administration of the affairs of the college, the Principal takes crucial decisions in consultation with the Management. The Principal convenes HODs' meeting, all staff meeting and non-teaching employees meeting etc., to ensure smooth and efficient conduct of day to day administration as well as various programmes and functions. Students' co-operation and participation are enlisted in all the affairs of the college, particularly in maintaining a clean campus, creating a green environment, maintaining a peaceful ambience inside the college campus, conservation of water, power and paper etc.

Functions of national importance such as Independence Day and Republic Day celebration etc., are held in such a way that it kindles a deep sense of patriotic spirit and sacrifice in all concerned. Persuasion, counseling, lending a patient hearing to student's grievances etc., are the tools generally adopted by the teachers in putting the erring and mischievous students on the righteous track. The Management, the Principal and the teachers do not spare any effort to achieve the basic objectives of education. The Management exhibits sustained interest in recruitment and promotion of its employees.

The faculty members are free to express constructive suggestions to the Management and the Principal relating to academics. They are empowered to tackle issues and take decisions within their sphere and are authorized to organize programmes and are free to utilize computer facility. The financial transactions of our college are audited both by the internal and external auditors. A team of internal auditors periodically verify the financial and operational transactions and interacts with external, credit rating and other agencies.

The Internal Quality Assurance Cell (IQAC) functioning in the college leaves no stone unturned in maintaining a good academic standard, helping the Management and the Principal for efficient administration and ultimately in achieving the noble objectives of higher education. Feedback from the students and parents have been collected and appraised.

### Innovations and Best Practices

Innovations have become inevitable to make further progress in any field. MCAS has been introducing innovative methods and practices in administration and education.

All the departments are provided with computers and it is feasible for the Principal to send circulars, information, etc., through e-mail. Office automation has led to effective and easy management of data and has simplified procedures resulting in easy handling and saving of time and paper. Realizing the fact that in today's life stress and depression are unavoidable, a yoga master has been included to the fold of permanent staff to teach yoga to students and teachers.

The Management bears the entire expenditure for the over-coats provided to the women staff. Likewise, non-teaching staff and bus crew are provided with 2 sets of uniform every year.

The Management of MCAS has launched group insurance which goes a long way in providing much needed relief, aid and financial help when a student/ his parents/ staff member or an employee meets with an unexpected untoward incident resulting in great injury and damage to the body or loss of life. MCAS knows very well that innovation is a never ending process and hence it takes constant efforts to introduce new practices and ideas in its academic journey.

### STRENGTH

- A service-oriented Management committed to provide qualitative and quantitative education to the rural masses
- An appreciable number of university ranks secured every year
- Implementation of ICT in teaching-learning activity
- Conducting courses for both teaching and non-teaching staff to equip themselves with IT skills
- Organizing/conducting seminars, conferences, workshops, etc., to enlighten and enrich the staff and the students
- Availability of an Animal house serving the cause of research
- Establishment of a community college
- An air conditioned English Communication Laboratory to help in harnessing and improving the communication skills of the students
- Group insurance for students, staff and parents
- Offering placement training to the students at the expense of the Management by inviting external experts from well-established concerns
- Internal Quality Assurance Cell with highly experienced and talented members
- Existence of a well-defined transparent admission policy to accommodate all the admission seekers
- Uploading e-notes prepared by the staff in the college website
- Facilitating the staff to create individual Blog
- Offer of scholarships and fee concessions with free boarding and lodging to the sports students
- Excellence in sports by winning over-all championship in some of the events
- Summer courses organized for 30 days for the school students to train them in varied areas
- Conduct of orientation programmes for the school staff to update their IT skills
- Activation of various cells to empower women by encouraging their participation
- Offer of an appreciable number of skill based value-added courses as a parallel track to complement the university curriculum
- A wide transport network facility covering even the remote rural areas
- A campus with full-fledged infrastructure located in a serene atmosphere conducive for learning
- A dedicated team of staff to illuminate the young minds
- Installation of UPS to ensure uninterrupted power supply
- Supply of health-assuring and purified drinking water

- Conduct of orientation programmes to augment the efficiency of the new entrants of staff
- Organizing refresher courses to enhance the professional proficiency of the staff
- PF contribution for both teaching and non-teaching staff
- Spacious, ventilated and well-furnished classrooms
- Staff and students are at their liberty to access to internet facilities free of cost.
- Provision of financial assistance/fee concessions/free boarding and lodging to the poor and unaffordable
- Deluxe facilities offered in hostels to those students who opt for
- Tutorial system to sweep off the arrears and improve the results
- Tie-up programmes with industries
- Services to the rural surrounding by NSS wing of the college
- Blood donation camps organized by YRC
- Outstanding performances of the students in academics, sports and games and various competitions are recognized and they are honored with awards/gold coins/cash awards.
- To promote the participation of staff in seminar/workshop/conferences/ symposia, they are granted TA and OD.
- An incentive in the form of special increment offered to the Ph. D holders
- All the students are exposed to computer literacy.
- Recording attendance through Biometric system
- A remarkable growth both vertically and horizontally in terms of student strength, buildings and courses offered
- Endowment fund created in Periyar University to honor the gold medalists in Mathematics

### WEAKNESS

- Deprived of more opportunities, due to the absence of UGC grants
- Major portion of the students hails from rural background which throws challenges to exposure, awareness, etc., apart from the learning gaps
- Travel consumes a lot of time
- Most of the students belong to lower-income group which becomes a major constraint to introducing features and facilities required to improve the quality of the service immediately.
- English as the medium of instruction burdens the students from rural

schools at the initial days of their courses.

- There exists a sense of deficiency due to lack of proficiency in English (social stigma) that has a negative impact on the personality of incoming students.
- First generation students find it difficult to get accustomed to innovative practices.

### OPPORTUNITIES

- A wider scope for expansion and introduction of new programmes
- List of value-added and job-oriented courses could be elongated.
- Services of the community college can be expanded.
- All the PG departments can be upgraded into research centers.
- Encouraging more number of projects, either minor or major
- Digital/e-library facility can be thrown open to all the departments.
- Possibility of tie up with many industries is bright

### CHALLENGES

- Unregulated media
- Absence of a sound framework which governs the allocation of the colleges, programmes in the same area, without considering the demand, the real/relevant need
- Tough task on the shoulders of the faculty to convert the students hailing from rural social setup, downtrodden and economically weaker sectors of the society (90% ) into employable graduates
- The deregulation of the price of fuels which impacts the existing subsidized transportation for rural mass by the institution
- Attaining high level of academic excellence and sustaining it at a nominal fee-structure seem to be a hurdle.
- Retaining the experienced staff/who want to quit the institution on getting Govt. jobs through TRB/Service Commission/ Banking Recruitment Boards etc.

Profile



### C: PROFILE OF THE INSTITUTION

#### 1. Profile of the Affiliated / Constituent College

##### 1. Name and Address of the College

Name	MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE		
Address	Kakkaveri(PO), Rasipuram (Tk) , Namakkal (Dt), Tamil Nadu		
City	Rasipuram	State : Tamil Nadu	
Pin	637408		
Website	www.muthayammal.in		

##### 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. R. Selvakumaran	O: 04287 222137 R: 04287 226763	99655 87437	04287 220227	principalarts@muthayammal.in
Vice Principal	Dr. A. Palanisamy	O: R:	98650 65769		rdcell@muthayammal.in
Steering Committee Co-ordinator	Mr. S. P. Vijeikumar	O: R:	94430 89530		iqac@muthayammal.in

##### 3. Status of the Institution:

- Affiliated College**
- Constituent College
- Any other (specify)

##### 4. Type of Institution:

- a. By Gender
- i For Men
- ii For Women
- iii Co-education**

b. By Shift

- i Evening
- ii Regular
- iii Day**

**5. It is a recognized minority institution?**

- Yes
- No**

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

**6. Sources of funding**

- Government
- Grant-in-aid
- Self-financing**
- Any other

**7. a. Date of establishment of the college**

**31/08/1994** (dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

**Periyar University, Salem, Tamil Nadu**

c. Details of UGC recognition:

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

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other

than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
AICTE	MCA	14-09-1999	1 Year	Renewed on 19-03-2013

(Enclose the recognition/approval letter)

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

Yes  No

If yes, has the College applied for availing the autonomous status?

Yes  No

**9. Is the college recognized**

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

Yes  No

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

b. for its performance by any other governmental agency?

Yes  No

If yes, Name of the agency ..... and  
Date of recognition : .....(dd/mm/yyyy)

**10. Location of the campus and area in sq.mts:**

Location *	Rural
Campus area in sq. mts.	41,076.00
Built up area in sq. mts.	27,674.72

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

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

- Auditorium/seminar complex with infrastructural facilities ✓

**SPORTS FACILITIES**

- Playground ✓
- Swimming pool
- Gymnasium ✓

**HOSTEL**

**Boys' Hostel**

- Number of Hostels - **1**
- Number of Inmates- **278**
- Facilities (mention available facilities)
  - Recreation room with TV and audio-visual equipments
  - Internet connections made available
  - Newspapers made available

**Girls' Hostel**

- Number of Hostels - **1**
- Number of Inmates- **191**
- Facilities (mention available facilities)
  - Recreation room with TV and audio-visual equipments
  - Internet connections made available
  - Newspapers made available
  - Gym

**Working Women's Hostel**

- Number of Hostels - **NIL**
- Facilities (mention available facilities)
  - Residential facilities for teaching and non-teaching staff (give numbers Available-cadre wise)

Particulars	Boys Hostel	Girls Hostel	Total
Teaching Staff	2	8	10
Non Teaching staff	3	3	6

Cafeteria - ✓

Health centre - ✓

First aid  Inpatient  Outpatient

Emergency care facility  Ambulance facility

Health centre staff-

Qualified doctor - Full time  Part- time

Qualified Nurse - Full time  Part-time

- Facilities like banking, post office, bookshops
- Transport facilities to cater to the needs of students and staff ✓
- Animal house ✓
- Biological waste disposal ✓
- Generator or other facility for management /regulation of electricity and voltage ✓
- Solid waste management facility ✓
- Waste water management ✓
- Water harvesting ✓

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

Prog.	Name of the Programme Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned/ Approved Student Strength	No. of Students Admitted
Under-Graduate	Biochemistry	3 years	12 <sup>th</sup> Pass	English	50	25
	Biotechnology				50	47
	BBA				140	84
	BBA CA				70	42
	Chemistry				100	99
	B.Com				70	63
	B.Com CA				210	112
	BCA				250	143
	Computer Science				250	153
	Electronics & Communication				50	19
	English				210	205
	Hotel Management & Catering Science				50	23
	Mathematics				210	207
	Microbiology				50	50
Physics	100	96				
Textile & Fashion Design	50	35				
Post-Graduate	Applied Microbiology	2 years	U.G	English	80	10
	Biochemistry				40	0
	Biotechnology				120	16
	Chemistry				80	28
	Computer Science				80	31
	Electronics & Communication				40	18
	English				46	38
	Mathematics				46	45
	M.Com				46	13
	M.Com CA				40	15
	Medical				40	20

	Biochemistry	3	U.G	English		
	Organic Chemistry				40	0
	Physics				80	22
	Textile & Fashion Designing				40	11
	MCA				60	2
M.Phil	Biochemistry	1year	P.G	English	20	10
	Biotechnology				15	9
	Chemistry				20	20
	Commerce				20	10
	Computer Science				20	20
	Mathematics				20	12
	Microbiology				20	09
	Physics				15	10
Ph.D	Biochemistry	2/3 years	P.G/ M. Phil	English		2
	Microbiology					3
	Commerce					2
Certificate Courses	Advanced Internet	50 Hours	12 <sup>th</sup> Pass	English	No limit	39
	Android Application Developer					14
	Art & Craft					167
	ASP.Net					14
	Beautician					19
	Biotechnological quality assessment					22
	BSNL					60
	C Debugging					286
	CMLT					54
	Computer Hardware					43
	Computer Network					12
	Cooking & Baking					49
	Cooking & Bakery					53
	Diploma in Animation & VFX					44
	Diploma in Auditing					29
	English Enhancer					34
	Enhancing Communication Skills					40
	Girls tailoring					39
	Maya					35
	Mobile Phone Servicing					23
	Online Business					14
	SAP					24
	Tally					708
Tally Erp 9.0	37					
Tech Savvy Programme	50					

	Textile CADD					35
	UPS Service & Maintenance					19
	Water analysis and its treatment					46
	Web Application Development					50
	Workshop on Hacking					148
UG Diploma						
PG Diploma						
Any Other (specify and Provide details)	ICWAI	6 Months	12 <sup>th</sup> Pass	English	No limit	76

**13. Does the college offer self-financed Programmes?**

Yes  No  If yes, how many? **43**

**14. New programmes introduced in the college during the last five years if any?**

Yes	<input checked="" type="checkbox"/>	NO		Number	8
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**15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research	
				M.Phil	Ph.D
Science	<u>UG</u> BCA, Biochemistry, Biotechnology, Chemistry Computer Science Electronics & Communication Hotel Management & Catering Science, Mathematics, Microbiology Physics, Textile & Fashion Design <u>PG</u> MCA, Biochemistry, Biotechnology, Chemistry Computer Science Electronics & Communication,	11			
			12		

	Mathematics, Microbiology Physics, Textile & Fashion Design Medical Biochemistry, Organic Chemistry <u>M.Phil</u> Biochemistry, Biotechnology, Chemistry Computer Science, Mathematics, Microbiology Physics <u>Ph.D</u> Biochemistry, Biotechnology, Microbiology			7	3
Arts	B.A English M.A English	1	1		
Commerce	B.Com, B.Com CA M.Com,M.Com CA M.Phil commerce Ph.D commerce(part time)	2	2	1	1
Any Other (Specify)	BBA, BBA CA	2			

**16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com.,)**

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

**17. Number of Programmes with**

- a. Choice Based Credit System**
- b. Inter/Multidisciplinary Approach
- c. Any other ( specify and provide details)

**18. Does the college offer UG and/or PG programmes in Teacher Education?**

- Yes
- No**

If yes,

- a. Year of Introduction of the programme(s).....  
(dd/mm/yyyy) and number of batches that completed the programme



b. NCTE recognition details (if applicable)

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

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes  No

**19. Does the college offer UG or PG programme in Physical Education?**

Yes  No

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy) and number of batches that completed the programme

b. NCTE recognition details (if applicable)

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

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes  No

**20. Number of teaching and non-teaching positions in the Institution**

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		M*	F*	M*	F*
Sanctioned by the UGC / University / State Government Recruited	M*	F*	M*	F*	M*	F*	M*	F*	M*	F*
Yet to recruit										
Sanctioned by the Management/ society or other authorized bodies Recruited			32	15	63	99	44	20	14	6
Yet to recruit										

\*M-Male \*F-Female

**21. Qualifications of the teaching staff**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers</b>							
<b>D.Sc./D.Litt.Ph.D.</b>			12	4	2	3	21
<b>M.Phil.</b>			18	11	32	52	113
<b>PG</b>			2	-	29	44	75
<b>Temporary Teachers</b>							
<b>M.Phil.</b>							
<b>PG</b>							
<b>Part-time Teachers</b>							
<b>Ph.D.</b>							
<b>M.Phil.</b>							
<b>PG</b>							

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

Nil

**23. Furnish the number of the students admitted to the college during the last four academic years.**

Categories	2009-2010		2010-2011		2011-2012		2012-2013	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	134	83	136	116	141	111	111	141
ST	24	9	23	11	17	23	15	13
OBC	646	494	465	472	565	589	561	712
General	41	22	31	17	21	17	25	28
Others								

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

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1393	259	98	5	1755
Students from other states of India	10	5	2		17
NRI students					
Foreign students		5			5

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

UG

**5.66%**

PG

**2.23%**

**26. Unit Cost of Education**

*(Unitcost=total annual recurring expenditure (actual) divided by total number of students enrolled)*

(a) Including the salary component **Rs. 25,052/-**

(b) Excluding the salary component **Rs. 16,107/-**

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

Yes  No  If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes  No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes  No

**28. Provide Teacher-student ratio for each of the programme/course offered**

Programme	Student - Teacher Ratio	Programme	Student - Teacher Ratio
UG		PG	
B.B.A. (CA),	6:1	Applied Microbiology	6:1
B.B.A.,	20:1	Biochemistry	1:1
B.Com CA.,	34:1	Biotechnology	4:1
B.Com.,	33:1	Chemistry	6 :1
BCA.,	33:1	Computer Science	16:1
Biochemistry	5:1	Electronics & Communication	4:1
Biotechnology	15:1	English	16.1
Chemistry	17:1	M.Com CA.,	11:1
Computer Science	38:1	M.Com.,	9:1
Electronics & Communication	7:1	Mathematics	14:1

English	20:1	MCA.,	17:1
HM&CS	13:1	Medical Biochemistry	4:1
Mathematics	29:1	Organic Chemistry	1:1
Microbiology	36:1	Physics	6:1
Physics	21:1	TFD	2:1
TFD	14:1		
<b>M. Phil</b>		<b>Ph.D</b>	
Biochemistry	5:1	Biochemistry	3:1
Biotechnology	3:1	Biotechnology	3:1
Chemistry	4:1	Microbiology	5:1
Commerce	5:1	Commerce (Part time)	2:1
Computer Science	4:1		
Mathematics	5:1		
Microbiology	5:1		
Physics	5:1		

**29. Is the college applying for Accreditation :**

Cycle 1  Cycle 2  Cycle 3  Cycle 4   
 Re-Assessment:

*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)*

**30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)**

Cycle 1: .....**N.A** (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 2: .....(dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: .....(dd/mm/yyyy) Accreditation Outcome/Result.....

**\* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

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

257

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

208

*(Teaching days means days on which lectures were engaged excluding the examination days)*

**33. Date of establishment of Internal Quality Assurance Cell – IQAC**

IQAC 

21/3/2011
-----------

 (dd/mm/yyyy)

**34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.**

- AQAR (i) ...**N.A.**.....(dd/mm/yyyy)
- AQAR (ii) ..... (dd/mm/yyyy)
- AQAR (iii) ..... (dd/mm/yyyy)
- AQAR (iv) ..... (dd/mm/yyyy)

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



**All India Council for Technical Education**  
 (A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

F.No. Southern/1-2017027436/2014/EOA

Date: 04-Jun-2014

To,  
 The Principal Secretary  
 (Higher Education) Govt. of Tamil Nadu,  
 N. K. M. Bld. 6th Floor Secretariat,  
 Chennai-600009

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2017027436
		Permanent Id	1-8903591
Name of the Institute	MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE	Institute Address	KAKKAVERI - POST RASIPURAM - 637 408 NAMAKKAL - DT TAMILNADU. PHONE : 04207 222137,228783 FAX : 04207 220227 E-MAIL :INFO@MUTHAYAMMALIN, RASIPURAM, NAMAKKAL, Tamil Nadu, 637408
Name of the Society/Trust	MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE	Society/Trust Address	KAKKAVERI - POST RASIPURAM - 637 408 NAMAKKAL - DT TAMILNADU, RASIPURAM, NAMAKKAL, Tamil Nadu, 637408
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: 1-2017027436\*

Page 1 of 3

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Letter Printed On:5 June 2014

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

Application Id: 1-2017027438			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
MCA	1st Shift	POST GRADUATE	COMPUTER APPLICATIONS	FULL TIME	Periyar University, Salem	60	60	No	No	N

- Validity of the course details may be verified at [www.aicte-india.org>departments>approvals](http://www.aicte-india.org/departments/approvals)

The above mentioned approval is subject to the condition that MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

**(Dr. Kuncheria P. Isaac)**  
 Member Secretary, AICTE

Copy to:

- The Regional Officer,**  
 All India Council for Technical Education  
 Shastri Bhawan 26, Haddows Road  
 Chennai - 600 006, Tamil Nadu
- The Director Of Technical Education,**  
 Tamil Nadu

Application Number: 1-2017027438\*

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724193 [www.aicte-india.org](http://www.aicte-india.org)

3. **The Registrar,**  
Periyar University, Salem
4. **The Principal / Director,**  
MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE  
KAKKAVERI - POST  
RASIPURAM - 637 408  
NAMAKKAL - DT  
TAMILNADU,  
PHONE : 04287 222137,228763  
FAX : 04287 220227  
E-MAIL :[INFO@MUTHAYAMMAL.IN](mailto:INFO@MUTHAYAMMAL.IN),  
RASIPURAM,NAMAKKAL,  
Tamil Nadu,637408
5. **The Secretary / Chairman,**  
MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE  
KAKKAVERI - POST  
RASIPURAM - 637 408  
NAMAKKAL - DT  
TAMILNADU,  
RASIPURAM,NAMAKKAL,  
Tamil Nadu,637408
6. **Guard File(AICTE)**

Application Number: 1-2017027436\*

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Letter Printed On:5 June 2014

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Criteria Wise  
Analytical  
Report

Criterion-I

Curricular Aspects

## CRITERION-I: CURRICULAR ASPECTS

As an affiliated college, Muthayammal College of Arts & Science (MCAS), Rasipuram follows the curriculum devised and prescribed by Periyar University, Salem, Tamil Nadu. This curriculum aims at empowering learners with knowledge and skills to excel in the fields they aspire for.

Focusing on rural empowerment, our institution also offers many value added courses so as to complement the prescribed curriculum. These courses enable the students to equip themselves with skills to acquire employment.

Giving more importance to relevance and appropriateness in catering to the need of the society/economy/environment, our institution collects feedback from all the stakeholders. The institution takes measures towards revising and redesigning of academic activities based on the recent developments and feedback.

### 1.2 Curricular Planning and Implementation

#### Vision

- The vision of MCAS is to redefine the scope of higher education by infusing into each of our pursuits, initiatives that will encourage intellectual, emotional, social, and spiritual growth, thereby nurturing a generation of committed, knowledgeable and socially responsible citizens

#### Mission

- To ensure state of the world learning experience
- To espouse value based education
- To empower rural education
- To instill the spirit of entrepreneurship and enterprise
- To create a resource pool of socially responsible world citizens

#### Objectives

- To seek, to strive and to achieve greater heights in arts and science
- To provide sound and value based education
- To instill a sense of patriotism in the minds of students
- To mould him/her as a socially conscious youth

#### Communication of Vision, Mission and Objectives to Stakeholders

- The college calendar, admission prospectus and pamphlets, banners, college newsletters, staff diary, staff handbook, college

website, students' notebooks etc., contain the vision, mission and the objectives of MCAS.

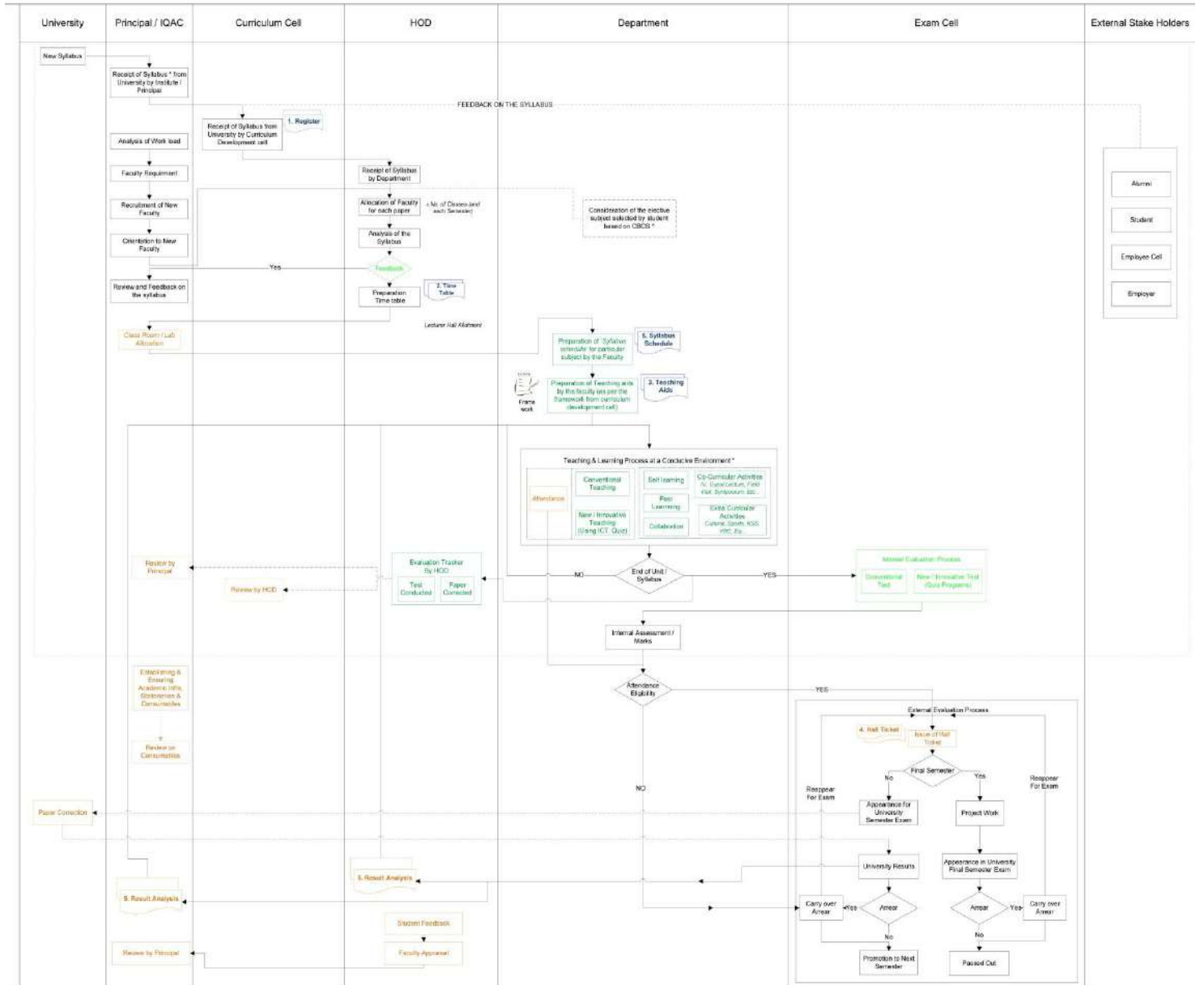
- Flex boards also have been displayed at various places inside the campus.
- In addition, the stakeholders are appraised to know of these aspects during all-staff meetings, opening day ceremonies and various academic celebrations.

#### **Action Plans for the Effective Implementation of the Curriculum**

- A Curriculum Development Cell (CDC) is functioning in the college exclusively responsible for action plan and implementation of the curriculum.
- CDC and IQAC have jointly developed a few procedures for the effective implementation of the curriculum such as 'syllabus schedule' and 'evaluation tracker'. Syllabus schedule facilitates the faculty to plan the classes and to complete the syllabus in a phased manner at an optimum speed. The evaluation tracker helps the faculty and HODs to track the coverage of the syllabus within the allotted time. The sample template prepared in this connection is shown in the Criterion II.
- As an affiliated college, the primary activity of the CDC is implementation of the curriculum developed by the University.
- The CDC along with IQAC has a well defined procedure for the implementation of the curriculum which is pictorially depicted in the following flow chart:

Flow chart

# Criterion-I: Curricular Aspects



\* Comprises of Infrastructure, People, Ambiance, Study materials, Procedures & Practices

^ Choice based Credit System (CBCS)

## Curriculum Translation

### Procedural and Practical Support for Teachers

- Preparation of the academic calendar is a well defined and an established practice in the institution. This comprehensive calendar carries the day wise plan/schedule covering all the important facts and events of the institution of the upcoming year. This academic calendars are distributed to all the faculty and the students in the beginning of the academic year.
- A department wise common time-table to carry out teaching process and a separate time-table for each individual staff have been prepared and implemented.
- The academic calendar and the time-table give a clear picture and help faculty to plan their activities for the entire academic year.
- All infrastructure, teaching aids and consumables are provided.
- Self regulating framework like syllabus schedule and evaluation tracker are provided to plan syllabus and track its coverage within the stipulated time.
- The activities of the faculty and of the departments are frequently and periodically appraised by HODs to the Principal.
- Orientation programme is provided to the newly recruited faculty.
- Teachers undergo ICT training in the college based on their needs
- Faculty is facilitated to attend curriculum related meetings organized by the Universities.
- Faculty is encouraged to attend seminars, symposia, conferences, and workshops etc., organized by other colleges/Universities.
- Members/chairmen, boards of studies of the Periyar University serving in this institution highly helpful in curriculum translation.
- Details of curriculum are available in the Periyar University website.
- Faculty development programmes, invited lectures etc., are organized by the institution periodically.
- Academic achievements of the staff have been duly recognized, honored and awarded.

### Curriculum Delivery and Transaction

- Subject wise resource materials/educational websites are available in college website.
- Faculty is instructed to prepare the syllabus schedule and action plan at the beginning of each semester.
- Library hours are allotted to the students.
- Staff members are encouraged to adopt modern teaching methodology (making use of OHP, LCD, models, charts etc.,).

- Appropriate text books, journals, e-books, e-journals etc., are made available in the library.
- Facility is offered to view and download Gyandharshan, a UGC programme.
- Personalized appraisal of the student after evaluation of his/her test/ examination papers by the concerned teachers.
- Curriculum transaction is periodically monitored by the Principal.

### Operationalisation of Curriculum

- MCAS has signed MOU with BSNL, ICWAI, Multimedia etc.,
- The Department of Biotechnology has launched a joint venture with Biotech Consortium India Ltd (BCIL), New Delhi and All India Biotech Association (AIBA).
- Better exposure to students is provided by organizing national level seminars, symposia or conferences besides invited guest lectures in our campus (vide table 1.1).
- Students are taken on educational/industrial visits every year (vide table 1.2).
- The institution is a member of CII (Confederation of Indian Industry).

**Table 1.1**  
**Number of Conferences / Workshops / Seminars**  
**(From 2001 onwards)**

Department	Guest Lectures	Seminars		Workshops	Training Prog.	Scientific Awareness Programmes	Industry-Institute Interaction Programmes
		State Level	National Level				
Academy of Computer Science	2	9		2	4	2	5
BBA	7	4	3				
Biochemistry	6		11	4			2
Biotechnology	15			4	4	3	
Microbiology	12			9			
Chemistry	6		3	2		1	
Electronics and Communication	6	1		2			
Physics	5	1					
English	6						
Commerce	29	3	2				
HM&CS				5			
Mathematics	3	2		2			
TFD	2	3		14			

**Table 1.2**  
**Number of Industrial Visits Dept. Wise**

Department	Academic Year				
	2009-10	2010-11	2011-12	2012-13	2013-14
BBA	-	3	2	2	2
BCA	1	1	1	1	1
Biochemistry	2	1	-	-	1
Biotechnology	1	1	1	1	2
Chemistry	1	1	1	1	1
Commerce	2	1	1	1	1
Computer Science UG	1	1	1	1	1
Computer Science PG	1	1	1	1	1
Electronics and Communication	1	1	1	1	1
English	-	1	1	1	1
HM & CS	1	1	1	-	-
Mathematics	-	1	-	-	1
Microbiology	3	1	1	1	1
Physics	1	1	1	1	1
TFD	-	-	1	2	1

### Development of Curriculum

- A curriculum development cell is functioning in the institution.
- Faculty serves as members/chairmen in the University boards of studies, and as senate members in the University statutory bodies.
- Feedback is obtained from all the stakeholders.
- Eminent scientists/experts have been interacted.
- Participation of staff in the state level/national level programmes has been encouraged.

Table 1.3 provides information with regard to the suggestions, corrections and modifications brought forward by our staff to the University.

**Table 1.3**  
**Suggestions / Corrections / Modifications**

Name of the Faculty and Department	Title of the Paper	Suggestions Submitted to the University Board of Studies
Dr. R. Periyasami Department of Biochemistry	Paper to be deleted: Advanced Endocrinology (from III semester)	Inclusion of the subject "Human Physiology" was requested and it was acknowledged and



Criterion-I: Curricular Aspects

	Paper to be added: Human Physiology and endocrinology (to IV semester)	introduced to be taught from IV semester 2012-13
Dr. P. Iyappan Department of Biotechnology	Taxonomy and Biodiversity	It can be changed to be a core paper and two hours a week are sufficient to teach it.
Dr. M. N. Periyasamy Department of Commerce	Financial Accounting	Instead of 'single entry system, Consignment and Joint venture' can be included in the syllabus.
	Cost Accounting	Transport Costing can be included and By Product and Joined Product can better be deleted.
	Advanced Cost Accounting	Instead of Unit I to Unit IV, split of topics can be inserted. Marginal costing can be deleted. Students of M.Com CA., could be provided an option for project (commerce or computer applications). It might be a better choice if commerce is made common for both M.Com & M.Com CA.
Mr. A. Jaganathan Department of HM&CS	Project & viva- voce	It can be held in the sixth semester.
Dr. V. Balasubramanian Department of Mathematics	Algebra	Syllabus is heavy for the students facing the first semester. Some topics can be deleted.
Mr. M. Muthusamy Department of Physics	Optics	Reduction of some portions might help the staff to complete the syllabus in time.
Mr. S. Thangavel Department of Physics	Nano-Science	Units III & IV are found to be heavy. Deletion of some portions is sought.
Mr. P. Subramani Department of B.Sc., Computer Science	SBEC:I (Basics of Internet)	Syllabus is not Updated. Give more updated syllabus to be very useful

		for Students.
Mr. M. Rama moorthi Department of BBA	Business organization & Principles of management	Syllabus is too vast and beginner (I yr stud) could not cope with the entire syllabus within the limited duration. So it is recommended that either business organization or principles of mgt be offered.
	Financial accounting	The I-unit of the syllabus has covered a lot of elementary aspects in accounts like final accounts, journal, ledger, trial balance, subsidiary books BRS, average due date, accounts current etc. This should be considered by the board of studies and minimize it as per the requirement.
	Business Economics	This paper remains the same for a long time. Therefore, some new areas have to be added. Public Finance related paper is best for the business studies students. It covers taxes, budget and finance commission etc.
	Campus to Corporate	This paper is most welcome but certain chapters have to be modified like Unit- IV. For a slow learner, it is not relevant to our area and it is purely Grammar oriented one. This paper can be included in the III year syllabus.
Mrs. R. Pushpa priya Department of BCA	COBOL	Change the COBOL Syllabus. It is difficult for the I Year students to do the theory and practicals.

	Data Structures	Reduce the Data structure Syllabus. It is too heavy for the students
	RDBMS	It is a practical oriented paper, but it doesn't have any practical lab. So allot practical hours for this paper
Mr. M. Muthusamy Department of Physics	Quantum Mechanics - I	In Unit I, the topic System of identical particles - symmetric and anti symmetric wave functions .The same topic repeated in unit V also.
Dr. T.Rajan Department of Biochemistry	Molecular Cell Biology	Syllabus is too heavy .if possible atleast reduce in cancer biology(v unit) or transfer this paper to second semester
Mrs. A. M. Nirmala Department of M.Sc.,Computer Science	Distributed Computing & Linux	The Subject can be split as "Distributed Computing" and "Linux" Separately.
	Software Project Management	The Syllabus Should be updated including the latest trends.
	.Net Programming	The Subject can be split as "VB.NET,ASP.net" and "C# Programming" Separately.
Mrs. A.M.Nirmala Department of M.Sc.,Computer Science	Computer Architecture and Parallel Processing	This paper can be transferred to II year of MCA.
Dr. M. N. Periasamy Department of Commerce	Business Law	In Unit V the Syllabus is very vast, hence some of the Portions may be reduced.
Dr. M. N. Periasamy Department of Commerce	International Business	Should be converted into 5 Units instead of 6 Units by way of reducing the syllabus
	Investment Analysis and	Syllabus is vast. Reduction is requested.

	Portfolio Management	
		I M.Com CA – The Total Hours allotted in the syllabus book is 34 Hrs, It should be reduced to 30 Hrs.
Mrs. N. Sudha Department of Chemistry	Inorganic Chemistry	A paper on NANOSCIENCE can be included.
	Chemistry Practicals	(i) In curriculum of M.Sc., chemistry, for each practical, 3 hours duration is allotted whereas in University examinations paper is set for 6 hours. This anomaly should be removed. (ii) With regard to practical –II, the number of extraction should be increased.

#### Senate Members

- Dr. R. Selvakumaran (Principal).
- Dr. V. Balasubramanian (HOD, Mathematics).

#### Chairmen/Members, Boards of Studies, Periyar University

- Mr. K. P. Shaji (PG Board Chairman-Electronics & Communication).
- Mr. S. P. Vijeikumar (UG Board Chairman-Biochemistry).
- Mr. Y. A. Syed Khadar (UG Board Member- Electronics & Communication).
- Dr. A. Palanisamy (PG Board Member- Microbiology).
- Dr. S. Anbalagan (UG Board Member- Microbiology).
- Dr. P. Iyappan (PG Board Member- Biotechnology).

#### Mechanism for Assessing Achievement of Curriculum Objectives

- The institution ensures that the stated objectives of curriculum are achieved through suitable mechanisms viz., collecting feedbacks from the stake holders, meticulous analyses of the results obtained and the employability of students.

### 1.3 Academic Flexibility

#### Courses Offered

- The institution offers 16 Under Graduate programmes, 15 Post Graduate programmes, 8 M.Phil., programmes and 4 Ph.D., programmes (Table 1.4).
- The institution occupies top position in offering a large number of course options within the Periyar University.
- The college conducts 22 value added programmes/certificate courses (Table 1.5).

**Table 1.4**  
**Courses Offered**

S.No.	UG	PG	M. Phil.,	Ph. D.,
1	B.Com	Applied Microbiology	Biochemistry	Biochemistry
2	B.Com CA	Biochemistry	Biotechnology	Biotechnology
3	BBA	Biotechnology	Chemistry	Microbiology
4	BBA CA	Chemistry	Commerce	Commerce (Part time)
5	BCA	Computer Science	Computer Science	
6	Biochemistry	Electronics & Communication	Mathematics	
7	Biotechnology	English	Microbiology	
8	Chemistry	M.Com	Physics	
9	Computer Science	M.Com CA		
10	Electronics & Communication	MCA		
11	English	Mathematics		
12	Hotel Management & Catering Science	Medical Biochemistry		
13	Mathematics	Organic Chemistry		
14	Microbiology	Physics		
15	Physics	Textile & Fashion Design		
16	Textile & Fashion Design			

**Table 1.5**  
**Value Added Programmes Conducted by the College (2013-14)**

S.No.	Programmes Offered	S.No.	Programmes Offered
1	Advanced Internet	12	Diploma in Auditing
2	Android Application Developer	13	English Enhancer
3	Art & Craft	14	Girls tailoring

4	ASP.Net	15	Maya
5	Beautician	16	Mobile Phone Servicing
6	BSNL-Wireless Technology	17	Online Business
7	C Debugging	18	SAP
8	Computer Hardware	19	Tally Erp 9.0
9	Computer Networks	20	Textile CADD
10	Cooking & Baking	21	UPS Service & Maintenance
11	Diploma in Animation & VFX	22	Workshop on Hacking

**Range of Core/Elective Options Offered by the University and that Opted by the College**

- As an affiliated college of Periyar University, we follow CBCS system which provides several options in elective courses (vide Table 1.6, 1.7 and 1.8)

**Table 1.6  
Range of Options Under CBCS System**

Study Components	No. of Courses	Credit Per Course	Total Credits
<b>Programme-Wise Options</b>			
UG	16	140	140
PG	15	90	90
M. Phil	8	24	24
Ph.D	4	-	-
<b>Certificate Courses - Options</b>	30		
<b>Range of Options Under CBCS System for UG</b>			
<b>Part-I</b> Tamil/Other Languages	2+2=4	3	12
<b>Part-II</b> English	2+2=4	3	12
<b>Part-III</b> Core Subjects	13-15	4-5	60
Allied Subjects			20
Project/Electives with three courses	4	5	15
<b>Part-IV</b> 1(a) Those who have not studied Tamil upto XII std. and taken a non-Tamil			

language under Part-I shall take Tamil comprising of two courses (level will be at 6 <sup>th</sup> standard)			
(b) Those who have studied Tamil upto XII std and taken a non-Tamil language under Part-I shall take Advanced Tamil comprising of two courses			
(c) Others who do not come under a+b can choose non-major elective comprising of two courses.	1+1=2	2	4
2 Skill based subjects (Elective)	3+3=6	2	12
3 Environmental Studies	1	2	2
4 Value Education	1	2	2
<b>Part-V</b> Extension Activities	1	1	1
		<b>Total</b>	<b>140</b>

**Table 1.7**  
**Range of Options Under CBCS System for PG**

Course		Total Courses	Total Hours	Total Credits
Core	Theory	14	70	67
	Practical			
	Project	1	10	5
Elective	Theory	3	15	12
	Supportive Course	1	3	4
	Compulsory Course Human Rights	1	1	-
	Value Education	1	1	2
	<b>Total</b>	<b>21</b>	<b>100</b>	<b>90</b>

**Table 1.8**  
**Range of Options Under CBCS System for M. Phil**

Part	Course	Name of the Course	Credits
I	I	Research Methodology and its Applications	4
	II	Theory	4
	III	Research Background Paper	4
II	IV	Dissertation and Evaluation Viva voce	8+4 (12)
		<b>Total</b>	<b>24</b>

**New Programmes Introduced**

- During the course of the last four years, 9 new courses including five research programmes (M. Phil) have been added as given in table 1.9.

**Table 1.9  
Reasons for Introduction of New Courses**

Year	Department	New Course Introduced	Reasons
2008	Business Administration	BBA (CA)	To complement & Enrich the core skills
2009	English	B.A	Greater employability
2011	Computer Science	M. Phil	To motivate students in the field of research in various aspects
2011	Commerce	M. Phil	To create research awareness and to meet the demands of students
2012	Chemistry	M. Phil	To expand the quest for research among rural students
2012	English	M.A	To gain in-depth literary knowledge
2012	Physics	M. Phil	To encourage the rural students to pursue research
2012	Mathematics	M. Phil	To fulfill the present requirements and to motivate research in Mathematics
2014	Commerce	Ph.D (Part-time)	To create research awareness and to meet the demands of students

**Inter-Institutional Credit Transfers**

- Inter institutional credit transfer is permitted subject to the approval of the Periyar University.

**System Followed**

- Semester system is followed in the college for all the courses.

**1.4. Curriculum Enrichment**

**Supplementation of the University's Curriculum**

- In order to supplement the University's curriculum, the institution conducts various programmes such as guest lectures, workshops, industrial visits value added courses, certificate courses, etc. Details can be referred to in tables 1.1, 1.2 &1.5.



**Integration of Cross Cutting Issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the Curriculum.**

- Since our college is situated in a rural atmosphere, parents are conservative and reluctant to send their daughters to the college because of various social, economical, safety and logistical constraints. To mitigate their apprehensions, a fleet of 59 buses is operated providing transport to their door steps.
- Currently 2338 women students (more than 50% of the total enrolment) are studying in the college which reveals the opportunities created by our institution for women empowerment.
- A vibrant and exclusive women's forum and an anti sexual harassment and gender violation cell are functioning in the college.
- Special papers on "Environmental Studies" for the UG students and on "Human Rights" for the PG students form an integral part of the University curriculum. These programmes help the students in gaining awareness about the climatic changes and the precautions and preventive measures. Likewise, PG women students get enlightened with regard to their rights, awareness about their safety and security and protective measures to be adopted during emergency.
- A Human Rights cell is functioning in the college. It organizes various awareness programmes.
- The college has made a special arrangement to teach Yoga to all the students and staff.
- Many students learn computer science as an allied subject. The remaining students have also been made to acquire some basic knowledge in computer education through ICT course.

**Curriculum Enhancement to Meet the Needs of Employment Market**

- The institution takes a number of efforts to make the students cope with the needs of employment market.
- As many as 22 value added courses are being conducted (vide table 1.5 given in a previous page).
- The institution invites the alumni who hold better positions in the reputed concerns to deliver lectures and interact with the students (vide table 5.8).
- Special training programmes addressed by entrepreneurs, corporate trainees, professionals etc., are organized by the placement cell with a view to enhance the employability of the students.
- The language laboratory provides enormous opportunities to enhance and improve the students' communicative ability and fluency in ENGLISH, a much required skill in employment market.

**Language Laboratory**



**Access to Value-Added Programmes to All Learners**

- Every student of the college is required to compulsorily attend the language laboratory to enhance his/her communication skills/soft skills (vide table 1.10).

**Table 1.10  
Language Lab Time Table**

HOUR	I	II	III	LUNCH BREAK	IV	V	EC HOUR
I	M.A ENGLISH	MATHS A	CS – A		B.COM	UG&PG B.T	ENGLISH ENHANCER
II	CHEMISTRY	MATHS B	BCA – A		B.COM CA A	UG&PG E&C	
III	ENGLISH A	MATHS C	CS – B		B.COM CA B	BCA – C	
IV	ENGLISH B	HM&CS	BCA – B		BEC	BEC	
V	ENGLISH C	TFD	CS – C		MCA	PHYSICS	
VI	UG&PG BC	MSc CS	UG&PG MB		BBA – A	BBA – B	

- The college conducts many value added courses and some free certificate courses giving the option to the student to select his/her favorite course.

**Monitoring and Evaluation of the Quality of the Enrichment Programmes**

- The increase of success percentage of our students in the on-campus and off-campus interviews, and the competitive examinations conducted by various government and non-government agencies serve as an indirect yardstick for the evaluation of the quality of the enrichment programmes.
- Feedback from the stakeholders is another yardstick.

## 1.5. Feedback System

### Structured Feedback from Stakeholders

- The following tables from 1.11 to 1.13 provide information with regard to the structured feedback from all the stakeholders' viz., alumni, parents and students.

**Table 1.11**  
**Alumni Feedback on Curriculum (2011-12)**

Attributes	Excellent	V. Good	Good	Average	Needs Improvement	No Idea
Educational Ambience	261	278	235	64	17	14
Quality of Support Material	161	198	286	108	69	47
Total	422	476	521	172	86	61

**Table 1.12**  
**Alumni Feedback on Curriculum (2012-13 & 2013-14)**

The existing curriculum / syllabus is	Objective-based	Life-oriented	Job-oriented	All the three	No idea
<b>2012-13 Total Numbers</b>	97	171	254	309	38
<b>2013-14 Total Numbers</b>	123	182	213	267	54
Do you feel the existing curriculum helps to develop your overall personality?	To a great extent	To some extent	Adequate level	Needs improvement	No idea
<b>2012-13 Total Numbers</b>	209	188	172	251	49
<b>2013-14 Total Numbers</b>	229	263	91	210	46
The importance given to extra / co-curricular activities in the existing curriculum is	Significant	of great importance	Of less importance	Requires to be given more significance	No idea
<b>2012-13 Total Numbers</b>	166	373	139	116	75
<b>2013-14 Total Numbers</b>	178	368	136	100	57
The teaching learning process through modern teaching equipments is	Good	Very good	Excellent	Average	No Idea
<b>2012-13 Total Numbers</b>	227	292	194	100	56

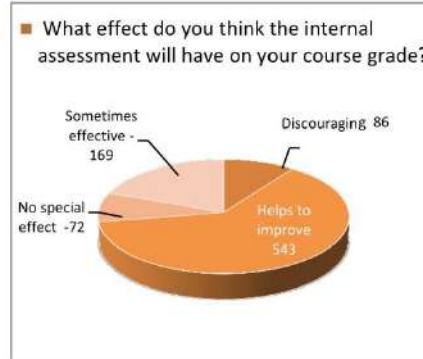
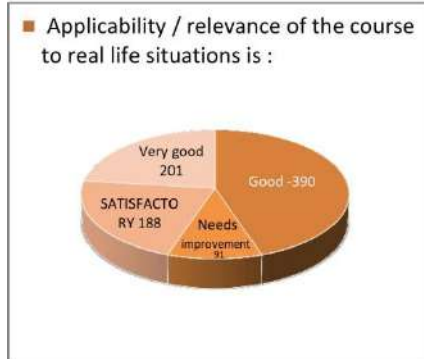
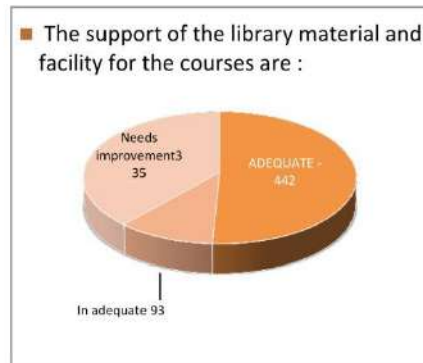
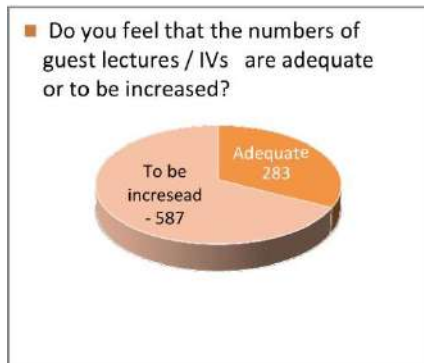
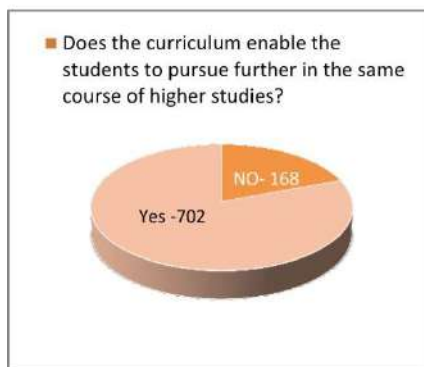
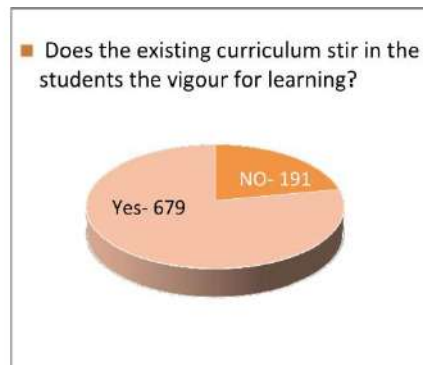
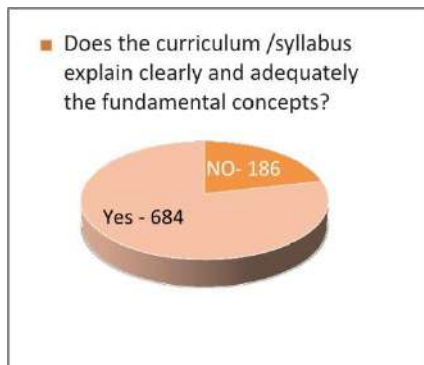
<b>2013-14 Total Numbers</b>	244	265	199	95	36
The syllabus of the course is	Adequate	Inadequate	No Idea		
<b>2012-13 Total Numbers</b>	600	194	74		
<b>2013-14 Total Numbers</b>	596	172	71		
Is the course easy or difficult to understand?	Easy	Manageable	Difficult	Very difficult	No Idea
<b>2012-13 Total Numbers</b>	414	335	55	14	51
<b>2013-14 Total Numbers</b>	383	339	48	21	48
Applicability / relevance of the course to real life situations is	Very good	Good	Satisfactory	Needs improvement	No Idea
<b>2012-13 Total Numbers</b>	144	384	217	71	53
<b>2013-14 Total Numbers</b>	174	336	209	79	44
The support of the library material for the course is	More than adequate	Adequate	Inadequate	Needs improvement	No Idea
<b>2012-13 Total Numbers</b>	118	392	90	223	46
<b>2013-14 Total Numbers</b>	147	380	81	189	48

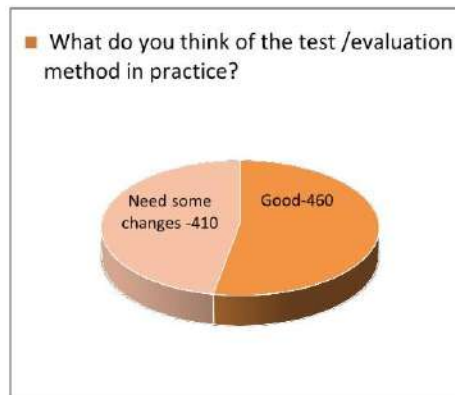
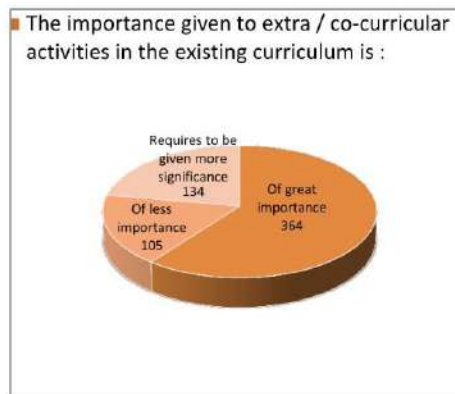
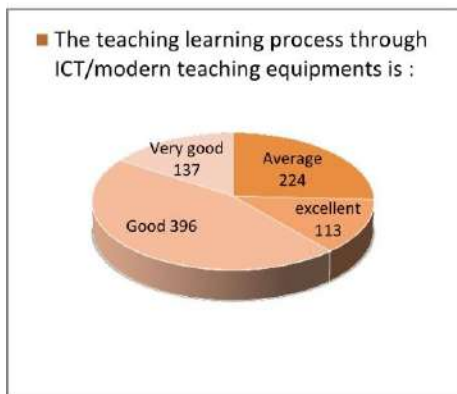
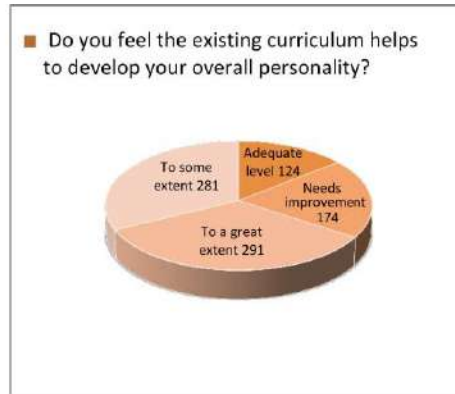
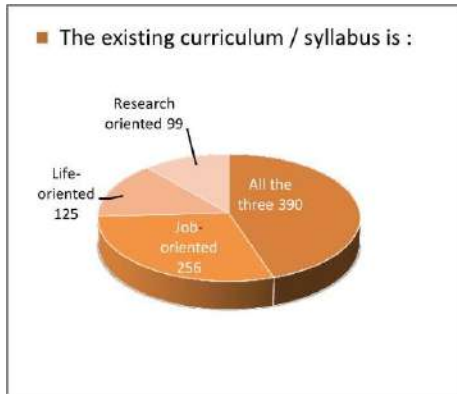
**Table 1.13**  
**Parents' Feedback on Curriculum (2011-12, 2012-13 & 2013-14)**

Attribute	Total in Numbers				
	Excellent	V. Good	Good	Average	Needs Improvement
Curriculum (11-12)	33	28	30	14	6
Curriculum (12-13)	31	30	32	6	1
Curriculum (13-14)	21	16	20	3	2

- The graphical representations given below provide detailed information with regard to the impact of online feedback on curriculum obtained from the students.

**Graphical Representation of Students' Feedback on Curriculum (2012-13)**





# Criterion-II

## CRITERION-II: TEACHING-LEARNING AND EVALUATION

Our institution implements a transparent and well-defined mechanism in admitting students to programmes, adhering to the regulations of the University.

Gender equity and admission opportunities for differently-abled are also considered. Learner-centered teaching methodologies have been adopted and the teachers execute interactive and participatory approach.

While recruiting faculty, their professional efficiency and their initiative to learn and keep abreast with latest developments are weighed. The staff apply qualitative evaluation techniques to enhance the competence of the students. Assessment of the student-performance indicates the areas where the learning has happened and where it has to be improved. This indicator induces the faculty to invent innovative but simpler teaching methodologies.

### 2.1. Student Enrolment and Profile

#### Publicity of the Admission Process

- Usually, all the students seeking admission into the college are accommodated and practically each student is ensured of admission into some course or other. The admission committee has a discussion with the student and suggests a suitable course to him/her based on his/her aptitude, attitude, caliber and merit.
- Spot admission centers set up at important neighboring towns provide sufficient information to the admission seekers.
- Certain programmes are conducted for the benefit of higher secondary students. This provides an opportunity for us to provide elaborate information about the courses offered and the mode of selection, etc.
- Hoardings/flex boards bearing the details of the college are displayed within the campus and in various important centers in the neighboring districts.
- Admission process of the institution is quite transparent. An admission committee consisting of 3 senior faculty attends to this process. During admissions, the reservation norms prescribed by the government and merit are taken into consideration.
- Pamphlets containing all details about the college, courses offered and mode of admission are printed and distributed to all public in and around Rasipuram and important towns in the neighboring districts
- The prospectus of the college prepared every year contains details of courses offered, eligibility, mode of selection etc.
- Courses and facilities available in the college and the admission procedures adopted have been periodically advertised both in Tamil and English news papers.



## Criterion-II: Teaching-Learning and Evaluation

- Propagation of information connected with admission is also done through FM radio, local television and internet.
- Admission details are made available in the college website.



### Summer Course for School Students

#### Review of Enrolment Profile

- The institution collects all the data of the students at the very time of admission adopting a comprehensive format.
- The testimonials of the students and the eligibility norms for admission are scrutinized and ensured before the enrollment.
- After confirmation, all the data of the students are fed into the computer for the first phase of students' profile management.
- Students who have scored very high marks in the qualifying examinations and who have exhibited their talents at district/state/national level sports and games and the physically disabled are given fee concessions.
- Students' profile is properly maintained by each department and updated periodically.
- The review of students' profile gives us an idea about the strategy to be adopted to improve the admission in the future. The review helps us to identify areas of poor response with respect to admission. We plan our strategy and focus more attention to these areas.
- The review throws light on the courses in high demand, additional transport facilities to be newly created, apprehensions and aspirations of the parents, identifying meritorious students in games and sports and in education for consideration of assistance by the Management.
- Students' profile reveals the maximum and the minimum percentage of marks secured and accordingly teaching methods are devised and executed (vide tables 2.1, 2.2 & 2.3).
- Batch-wise performance has been tracked.
- Each student's progress has also been tracked.
- This profile is referred to, whenever a certificate is to be issued for a student in connection with an interview or joining an appointment etc.

**Table 2.1**  
**Minimum and Maximum Percentage of Marks of the Batch Admitted at Entry Level**

Department	UG							
	2010-11		2011-12		2012-13		2013-14	
	Min Mark %	Max Mark %	Min Mark %	Max Mark %	Min Mark %	Max Mark %	Min Mark %	Max Mark %
BBA	43	76	40.3	75.5	40	86.6	40.4	88
BBA CA	39	80	45	80	-	-	41	82.8
B.Com	43.5	82.7	45	77	41	82	42.6	91.7
B.Com CA	41.3	90.3	37.6	84.6	40	90	41.5	91.4
BCA	39	81	42.9	91	44	90	41.6	86.5
Biochemistry	45.7	75.9	47	74.3	45.3	79.7	45.7	87.5
Biotechnology	43	73	47.2	83.4	42.6	78.2	45	91
Chemistry	42.9	79.5	43	86	42.3	89.9	41.9	90.3
Computer Science	39.5	84.4	41	89.2	43.5	82	41.2	87.1
Electronics	45	78	41	82	45	81	44	80
English	43	89	40.4	83.6	43.5	90	43.5	93
HMCS	39	74	48	76	34	64	40.2	72.2
Mathematics	44.3	92	43.8	90.8	49	91.4	48.7	95.4
Microbiology	47.7	79.3	45.1	77.1	46.5	77.3	40.1	89.5
Physics	48.4	91.6	40.9	84.9	42.2	84.2	41.9	90
TFD	41	79.5	42.6	86.6	43.2	81.2	46	80

**Table 2.2**

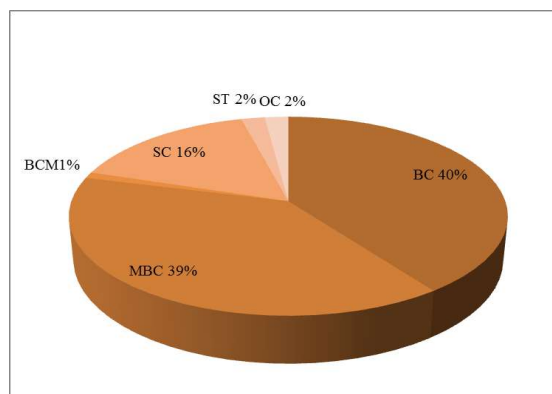
Department	PG							
	2010-11		2011-12		2012-13		2013-14	
	Min Mark %	Max Mark %	Min Mark %	Max Mark %	Min Mark %	Max Mark %	Min Mark %	Max Mark %
Applied Microbiology	55	77.4	54	75	61	83.3	67.7	69.5
Biochemistry	55.3	75	68.6	82	51.8	73	-	-
Biotechnology	50	82	50.6	78	58.9	77.3	53	73
Chemistry	42	79	50	75	48	85.4	47	81
Computer Science	52	80	54.3	82.6	50	80	52	77
Electronics	60	77	52	89	65.5	78	60	78
English	-	-	-	-	43	69	46	67.3
Mathematics	42	84.8	48.9	90.1	49	91.4	52	90
Medical Biochemistry	55	88.8	50	87.5	54	79	51.3	78.2
MCA	50	89	51.3	79.4	57	78	61	78
M.Com	-	-	50	61	48.4	63.6	54	56.5
M.Com CA	45	67.6	50	73	50	73	54	73.9
Organic Chemistry	54	76	57	85	66.8	85.3	-	-
Physics	54.9	75	52	81	44.7	88.7	59	79.3
TFD	60	82	67	91	70	89.5	70	83

**Table 2.3**

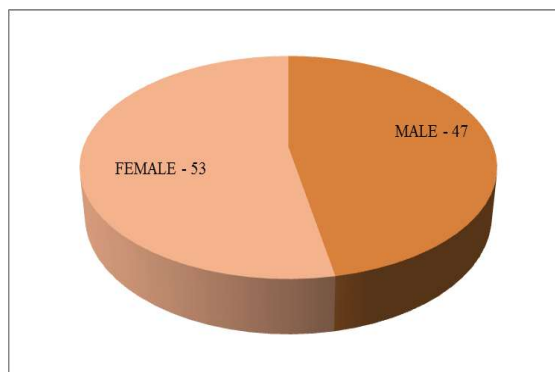
Department	M. Phil.,							
	2009-10		2010-11		2011-12		2012-13	
	Min Mark %	Max Mark %	Min Mark %	Max Mark %	Min Mark %	Max Mark %	Min Mark %	Max Mark %
Biochemistry	56	79.5	59	77	57.3	75.4	57.4	79.2
Biotechnology	68	82	60	79	63	80	73	81
Chemistry	-	-	-	-	-	-	57	81.9
Commerce	-	-	-	-	63	82	65	79
Computer Science	-	-	-	-	60	89.4	71	89
Mathematics	-	-	-	-	-	-	65.2	92.5
Microbiology	54	67.2	56.2	70.1	58.2	69.2	57.2	71
Physics	-	-	-	-	-	-	60	77

**Student Diversity**

Student diversity (2013-14) is pictorially depicted below  
Student Diversity-Category Wise



**Student Diversity-Gender Wise**



- We admit students belonging to diverse groups viz., Students of different communities (SC, ST, MBC, BC, BCM and OC), students of achievements in education or sports, physically disabled, students from other states in India and foreign countries and students from economically poor background.
- As an institutional policy to promote rural education, admissions are ensured for all the eligible seekers.
- When the demand is more for a particular course, we approach the University for approval to open more sections.

### Implementation of the Statutory Reservation Policies

- The admission process, ultimately, conforms to reservation policies of the Tamil Nadu government.

## 2.2 Catering to Student Diversity

### Conduct of Programmes for Freshers

- Immediately after admission, an induction programme is arranged for the freshers. The Management, the Principal, Dean-Student Affairs and the HODs address these students. They instruct the students to conduct themselves well within the college and prepare themselves for a bright future.
- The Principal exposes the freshers to the Vision and Mission of the institution.
- The Management highlights the uniqueness of the institution and the opportunities available to the students to cut them into fine shapes.
- The freshers are explained various facilities and amenities (hostels, bus transport, library, internet facility, language laboratory, gym, yoga classes etc.) available at the campus.
- Students' attention is drawn to the various courses offered in the institution; i.e., value added programmes, extra-curricular and co-curricular activities, games and sports and other outreach activities.
- During the initial period, a bridge course is conducted which enables the students to cope up with change in the medium of instruction.
- Necessary counseling, guidelines, advice and tips are provided to the freshers so as to instill confidence and courage in their minds.



**Induction Programme for Freshers**



**Value Added Programmes**

### **Programmes for Advanced/Slow Learners**

- An entry test is conducted for the entire freshers. Based on the performance, students are categorized into two groups viz., slow learners and fast learners.
- To improve the standard of the slow learners, special coaching classes are organized and teachers pay special and individual attention to them.
- Motivation, inspiration and encouragement are our tools to get rid of apprehensions and the lack of confidence in the freshers.
- Advanced learners are encouraged to enhance their knowledge and to acquire special skills by attending value added programmes depending upon their choice of course.
- Advanced learners are encouraged to conduct classes for slow learners. This opportunity moulds them into “Student Faculty”.



**MOU for Opening of Extension Centre at MCAS**



**TALLY Certificate Distribution**

### **Tutorials for Differently-Abled**

- There is an exclusive cell for the differently-abled students called “Cell for Physically Challenged”.
- This cell analyses the academic growth of differently-abled and renders all assistance necessary for their academic improvements.
- HODs and the teachers are instructed to bestow special and individual attention to the differently-abled so as to understand their problems and grievances and take necessary remedial measures.
- Management too, on its part, renders all help to make their stay at the college campus both convenient and comfortable.
- The classes in which differently-abled students are present are located in the ground floor. They receive spontaneous help from all the fellow students, teachers and employees of the college. As a result, their problems and difficulties are minimized to a very large extent.
- All the differently-abled students enjoy fee concession granted by Muthayammal Educational and Charitable Trust.
- There is a wheel chair to help the differently-abled.
- An instance which indicates the interest of the institution in matters connected with differently-abled is that the Principal wrote to the Periyar University and got permission from the Controller of Examinations to allow a differently-abled student suffering from nervous weakness to write University exam for the duration of four hours instead of three hours.

### **Fostering an Inclusive Academic Ambience**

- To foster an inclusive academic ambience, some special cells have been in operation.
- Our institution maintains a distinctive secularism in treating alike students and faculty of all religions and communities.
- Preventive steps are ever alive to avoid exploitation of sentiments
- Gender-equity is paid attention to.
- Discrimination in the name of caste, creed, race and religion is never entertained.
- Staff belonging to different sectors of society hold even key posts.
- Our student community is a mixture of rural, urban, haves, have-nots, the first generation graduates and students from different states and countries.
- There is an exclusive cell for Physically Challenged that meets their requirements. The cell keeps an eye on preventing any segregation or isolation of those students from the whole lot and they are provided transport up to their classrooms.

- Anti Sexual Harassment Cell is vigilant enough to prevent sexual harassment. Misbehaviour is dealt with seriously.
- Ragging menace is completely eliminated.
- Flex boards highlighting the punishments meted out to students indulging in ragging are displayed at various places in the college campus.
- Women's forum arranges programmes quite often addressed by eminent women to create awareness among girls regarding women's rights, solutions to many of the health problems, safety and security child care etc.
- As an act of preventing environmental and health hazards, pollution and depletion of ozone layer, NSS wing of the college along with other volunteers plants trees and saplings to create a greener campus.

### 2.3. Teaching-Learning Process

#### Organizing Teaching Schedule

- Even before the commencement of an academic year, academic calendar is prepared. The academic calendar provides information about the number of working days available for teaching process in a semester, dates of mid-semester, end of semester exams conducted by the college and the tentative commencement of University examinations.
- At the beginning of each semester, the teachers are required to prepare individual syllabus schedule in such a way that the syllabi are completed in time and students have enough time to prepare well for the examination.
- The Principal, assisted by the HODs, would monitor whether the teaching process is going on as per the schedule. If necessary, teachers are asked to conduct additional classes either after class hours or on holidays to complete the syllabi.
- Since the number of working days is more than that prescribed by the University norms, the teachers do not find it difficult to satisfactorily complete the syllabi within the stipulated time.
- As far as possible, every teacher is required to conduct classes according to the syllabus schedule. They prepare notes to help the students. All these notes are preserved.
- Since every aspect of the academic affair is carefully pre-planned and implemented scrupulously, the teaching-learning process proceeds smoothly and effectively.
- Template that follows depicts a syllabus schedule.

**Model Template of Syllabus Schedule**

Muthayammal College of Arts & Science  
Department of PGCS  
Lesson Plan/ Schedule

Department	PGCS	Faculty I	A.M NIRMALA	Sub ID	08PCA12				
Course	BGA	Faculty II	-	Subject	SOFTWARE ENGINEERING				
Year	III	Lab Assistant	-	Hours / Sem	50 Hrs				
PLAN				ACTUALS					
Class No.	Unit	Topics	Sub Topics	Study Metrial	Class No.	Date	Remarks	HOD	
1	I	Introduction:	Software Engineering Discipline, Evolution and Impact:	Printed Notes	1, 2	10.6.13	11.6.13	V.V. S. S. 6/7	
2		software development projects:	Programs Vs Software Products, Changes in Software Development Practices.	"	3	13.6.13			
3		Software Life Cycle Models:	Use of a Life Cycle Models: Classical Waterfall	"	4, 5	14.6.13	17.6.13		
4			Iterative Waterfall Model-Prototyping Model	"	6, 7	19.6.13	20.6.13		
5			Evolutionary Model, Spiral Model	"	8, 9	21.6.13	4.7.13		
6		Software Project Management:	Responsibilities of a Software project Manager, Project Planning	"	10, 11	5.7.13	8.7.13		V.V. S. S. 2/8
7			Metrics for Project Size Estimation, Project Estimation	"	12	9.7.13			
8			COCOMO - A Heuristic Estimation Technique	"	13	11.7.13			
9			Staff Level Estimation, Scheduling	"	14	12.7.13			
10			Organization and Team Structures: Staffing, Risk Management, Software	"	15, 16	15.7.13	16.7.13		
11			Test	"	17				
12		Requirements Analysis and Specification:	Requirements Gathering and Analysis	"	17	17.7.13			V.V. S. S. 2/8
13			Software Requirements Specification (SRS)	"	18	19.7.13			



### **Student Centric Methods in Pedagogy**

- Students are encouraged to adopt individual learning, collaborative learning etc.
- Interaction programmes and quiz programmes by the students are conducted periodically.
- Students are assigned seminar topics with respect to syllabus and are required to present the same in the class.
- Students are asked to prepare assignments on certain important topics pertaining to the curriculum.
- The expertise of the brilliant students is utilized to teach and coach academically weaker students, thereby producing a category of ‘Student Faculty’ in this exercise.

### **Enhancement of Learning Experiences**

- Besides experiential learning, students are encouraged to participate in seminars, conferences, workshops etc., organized by this institution or by other institutions/universities so as to enable them to acquire experience of participative learning.
- Conduct of certain programmes viz., guest lectures, invited lectures etc., provide our students opportunities for experiential learning
- Students are encouraged to prepare projects and submit the same to the funding agencies.
- Students have been given opportunity to hold ‘seminars’ on small units of their text.
- Students have been enthused to prepare exhibits based on their syllabus to display at the time of exhibitions.

### **Latest Technologies Used by the Faculty**

- ICT training is given to all the staff members so that they are able to effectively use the modern technology for teaching-learning purposes.
- Our college website [www.muthayammal.info](http://www.muthayammal.info) provides information about the resourceful websites facilitating link with NPTEL, Classle.net, Social network for learning MIT-OCW, Learning space, The Open University UK, NCBI, Chemweb.com, Blackboard, moodle, Educator etc.
- e-notes prepared by our staff is uploaded in the college website.
- Facility is open to all the staff to create “individual Blog”.
- Facility is offered to view and download Gyandharshan, a UGC programme.
- Every day attendance of the students has been processed and reported on-line to the office.
- The tables 2.4 and 2.5 give information about the ICT training programmes organized for the benefit of the staff members.

**Table 2.4**  
**Details of ICT Training to Faculty**

S.No	Date	No. of Participants	Topic
1	08.11.2011	20	MS Office and Excel
2	09.11.2011	50	MS Office and Excel
3	19.11.2011	18	Computer Fundamentals and Windows Explorer & Internet Basics
4	21.11.2011	38	Windows Explorer & Internet Basics (Mail Creation), MS Word and Internet Concepts
5	22.11.2011	41	MS Excel, MS PowerPoint & FoxPro Basics
6	14.09.2012	10	NPTEL National Programme on Technology Enhanced Learning
7	15.09.2012	35	Classle.net
8	17.09.2012	53	Social network for learning
9	07.11.2012	22	MS Office and Internet
10	12.12.2012 to 15.12.2012	80	MIT-OCW, Learning space the Open University UK, NCBI
11	07.01.2013 to 10.01.2013	115	Chemweb.com, Blackboard, moodle, Educator
12	07.12.13, 21.12.13 & 04.01.14	44	MS-Office , Foxpro & Internet Applications

**Table 2.5**  
**Schedule of the ICT Programmes for Departments**

Date	Department	Name of the Source	Web Site
12.12.2012	Commerce, Microbiology, Tamil, Bio-Chemistry, Biotechnology	Learning Space -The Open University MIT Open Courseware National Center for Biotechnology Information	<a href="http://openlearn.open-c.uk/">http://openlearn.open-c.uk/</a>
13.12.2012	Physics, Chemistry, HM&CS, TFD, Management		
14.12.2012	ACS, Electronics		
15.12.2012	English, Mathematics, Statistics		
			<a href="http://ocw.mit.edu/index.htm/">http://ocw.mit.edu/index.htm/</a>
			<a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a>

### Conducive Learning Environment

- The institution tries to fulfill the basic aim of education, i.e. to nurture critical thinking, creativity and scientific temper among the students.
- The teachers have been instructed to ask questions like why, what, where etc., during lecturing so that students are motivated to critically ponder over the matter. The questions should be such as to make the students analyze the phenomenon, think over it deeply and find out the solution.

- Organizing science exhibitions is a way of bringing out the hidden talent, inquisitive spirit, and innovative nature of the students. They are asked to prepare exhibits to be displayed in the science exhibition. This entails a lot of scientific thinking and research bent of mind on the part of students.
- In the curriculum itself, submission of a research project is included. Thus a scientific temper is nurtured in the minds of students.
- Eight departments of this institution conduct research programmes leading to M. Phil., or Ph. D., degrees. Quite a good number of young researchers are present in the laboratories, and are doing their research experiments. This “research ambience” prevailing in the college will certainly kindle a quest for research in the minds of junior students.
- Students are encouraged to participate in seminars conducted by other colleges or Universities and present papers either orally or by poster.



**Students Explaining their Exhibits in a Science Exhibition**

### **Tutorial-Ward System**

- The tutorial ward system plays a crucial role in getting rid of the problems and hurdles faced by the students.
- Tutor-in-charges have an interaction with the students to understand their wards' problems and try to instill confidence and courage into their minds. Moreover, the tutor-in-charge pays individual and special attention to his wards. In short, the tutor serves as a mentor and the student becomes a mentee.
- Besides the tutor, the HODs and the Dean-Student Affairs pay special attention to the academic and personal needs of the students. Thus they also serve as mentors, thereby doing an extraordinary service to the student community.



**Tutorial-Ward System**

### Recognition to Innovative and Creative Contributions

- Due recognition is always given to those students and staff members capable of creative thinking and innovations. They are honored with awards and rewards at the time of annual day celebrations.
- Concrete examples can be cited for our students' innovations. Bio-metric system, Automatic bell and website ([www.muthayammal.info](http://www.muthayammal.info)) etc., functioning in the college are the creations of our own students.
- The members of IQAC innovatively designed a plan to gather feedback from all the students and staff. They resorted to on-line feedback collection, thereby saving enormous amount of stationery, time and energy.

### Projects / Field Experiences

- Projects find a place in the curriculum so that students are motivated to think innovatively and make contribution to the society.
- Field visits are usually undertaken to enable the students to personally study the functioning of a system and to understand the world around them.
- The experiences gained by the students during carrying out the projects or during the field visits get integrated in the minds of the students.
- The teachers guiding the student projects and those accompanying the students during field visits get experienced and this experience is more useful to them in their teaching-learning process and research
- Table 1.2 gives particulars of industrial visits.

### Feedback and Improvement of the Quality of Teaching-Learning Process

- One of the important methods to evaluate the quality of teaching-learning process is to get feedback from the students. Feedback is collected from all the students and carefully perused. Defects and deficiencies in teaching-learning are set right by taking appropriate remedial steps.
- Grievance boxes have been fixed at various places in the campus. If the students have any problem with regard to teaching-learning, they are free to put it in writing and the letter may be deposited in the grievance box. Students' grievances are analyzed and measures are taken then and there to solve their problems.
- The Principal makes a perusal of online feedback which gives him an understanding as to the caliber, capability, competence of individual teachers.
- Based on his understanding, he gives suggestions, guidelines and tips for the improvement of the quality of teaching-learning process.

## Criterion-II: Teaching-Learning and Evaluation

- A best teacher always produces good results. Hence, marks scored by the students in the University examinations can be used as a yardstick to evaluate teaching-learning.
- Mark statements of each class are submitted immediately after every valuation. A perusal of these statements will throw light on the effectiveness of teaching-learning process.
- Feedback is also obtained from alumni of the institution and parents when they visit the college. Actions are taken to plug the loop-holes pointed out by the parents.
- Both the HODs and the Principal monitor teaching-learning process.
- When any teacher is on leave, his/her classes are handled by other teachers as substitutes. For this purpose “a work adjustment register” is usually maintained by the departments. In this connection, a model template has been prepared and circulated to all the departments.

Lesson Plan Tracker

MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE  
EVEN SEMESTER 2013-14

S.NO	DEPARTMENTS	WORK LOAD	TIME TABLE	ATTENDANCE				SYLLABUS SCHEDULE	ACTUALS COMPLETED				EXAMINATION RESULTS			OTHERS										
				DECEMBER	JANUARY	FEBRUARY	MARCH		APRIL	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MID SEM	MODEL	UNIVERSITY									
1	BBA	8/11	22/11	3/11	8/10	4/10	1/4	28/4	22/11	3/10	28/10	10/10	10/10	10/10	10/10	31/4	10/10	10/10	21/4	W/L	20/4	20/4	20/4	14/15 LP		
2	BCA	8/11	28/11	3/11	3/10	4/10	3/4	—	22/11	3/11	21/10	5/4	5/4	5/4	13/10	21/4	29/10	29/10	16/10	16/10	16/10	20/15	20/15	20/15	20/15	
3	BIOCHEMISTRY	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	—	9/10	—	—	21/4	21/4	21/4	—	—	—	
4	BIOTECHNOLOGY	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	23/10	23/10	23/10	16/14	16/14	16/14	36/6	36/6	36/6	36/6	
5	CHEMISTRY	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
6	COMMERCE	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
7	COMP. SCI (PG)	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
8	COMP. SCI (UG)	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
9	ELEC&COMM	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
10	ENGLISH	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
11	HMCS	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
12	MATHS	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
13	MCA	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
14	MICROBIOLOGY	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
15	PHYSICS	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
16	STATISTICS	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
17	TAMIL	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—
18	TFD	8/11	24/11	3/11	15/11	15/11	8/11	28/6	25/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	16/14	16/14	16/14	—	—	—	—

Consolidated Academic Plan Tracker

MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE  
Rasipuram - 637 408  
Lesson Plan (Consolidated)

S.No	NAME OF THE STAFF	NAME OF THE BRANCH & SUBJECT	UNI-I	TC	PC	UNAI	TC	PC	ASS	UNIII	TC	PC	MID-SEM	UNI-IV	TC	PC	UNI-V	TC	PC	MODEL
1	Dr. A. Palanisamy	II M.Sc. - BC & MBC - Microbial Physiology & Biochemistry & Biotechnology	08/12	10/12	12/12	21/12	22/12	23/12	24/12	25/12	26/12	27/12	28/12	29/12	30/12	31/12	01/13	02/13	03/13	04/13
2	Dr. S. Subasingh	III B.Sc. - Medical Microbiology & Mycology	15/12	16/12	17/12	18/12	19/12	20/12	21/12	22/12	23/12	24/12	25/12	26/12	27/12	28/12	29/12	30/12	31/12	01/13
3	Mr. A. K. Saravanan	II B.Sc. - Immunology	01/13	02/13	03/13	04/13	05/13	06/13	07/13	08/13	09/13	10/13	11/13	12/13	13/13	14/13	15/13	16/13	17/13	18/13
4	Ms. S. Shanitha	II B.Sc. - Microbial Technology	09/10	10/10	11/10	12/10	13/10	14/10	15/10	16/10	17/10	18/10	19/10	20/10	21/10	22/10	23/10	24/10	25/10	26/10
5	Mr. M. Selvan	II B.Sc. - Environmental Studies	20/12	21/12	22/12	23/12	24/12	25/12	26/12	27/12	28/12	29/12	30/12	31/12	01/13	02/13	03/13	04/13	05/13	06/13
6	Ms. K. Nishitha	II M.Sc. - BC & MBC - Microbial Technology	01/13	02/13	03/13	04/13	05/13	06/13	07/13	08/13	09/13	10/13	11/13	12/13	13/13	14/13	15/13	16/13	17/13	18/13
7	Mr. D. Vinayagamoorthi	II B.Sc. - Cell Biochemistry & Human Physiology	15/12	16/12	17/12	18/12	19/12	20/12	21/12	22/12	23/12	24/12	25/12	26/12	27/12	28/12	29/12	30/12	31/12	01/13

TC - TEST CONDUCTED  
PC - PAPERS CORRECTED

Signature of Head:  Head

Signature of Principal:  Principal

Signature of Sub-Principal:  Sub-Principal

Signature of Head:  Head

Signature of Principal:  Principal

Signature of Sub-Principal:  Sub-Principal

## 2.4. Teacher Quality

### Details of Faculty

The information provided in table 2.6 given below bears testimony to the fact that the institution has employed adequate and well qualified faculty.

**Table 2.6**  
**Academic Qualifications of Teachers**

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers</b>							
<b>Ph. D.,</b>			12	4	2	3	21
<b>M. Phil.,</b>			18	11	32	52	113
<b>PG</b>			2	-	29	44	75

One of our staff has qualified for both SLET and NET and Six of our staff members have qualified for NET/SET.

### Recruitment of Faculty of Diverse Groups

- While recruiting the faculty, diversity is given due consideration.
- Qualified teachers belonging to various castes and communities, creed, religion etc., are selected for teaching jobs.
- Recruitment of faculty is also based on academic performance, expertise in the subject and experience of the category.
- Our own students who have proved their mettle by securing University first ranks (gold medalists') or University ranks are given priority in recruitment.
- Ph. D., holders are given due weightage in recruitment.
- Physically disabled persons are also employed in this college.

### Participation of Faculty in Recharge Programmes

- When the teachers attend seminars/special programmes conducted by other institutions, the Management bears the entire expenditure. The Principal grants on duty permission to teachers who are participating in external conferences/seminars/symposia/workshops etc.
- 28.7 % percentage of faculty participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies.
- 11 % percentage of faculty presented papers in Workshops/Seminars/Conferences conducted or organised by professional agencies.



## Criterion-II: Teaching-Learning and Evaluation

- The institution sponsors State Level/National Level Seminars periodically. The departments of Biological Science conduct annual Biological Congresses. Likewise, the departments of Physics, Chemistry and Electronics and Communication jointly organize seminars. Very eminent scientists, University professors, renowned researchers participate in these programmes. The teachers have an opportunity to listen to their addresses and to have an interaction with them. The programmes undoubtedly help the teachers to update and enhance their knowledge.
- Many of the departments arrange for invited lectures by specialists. This gives an opportunity for the staff to become more knowledgeable.
- There are some noteworthy personalities among the visitors to our college.



**Dr.A.Gnanam**  
Former Vice-Chancellor  
University of Madras  
Bharathidasan University, Trichy  
Pondicherry Central University  
and  
Former Chairman, NAAC, Bangalore



**Mr.J.Sujithkumar**  
Head HR/Infosys  
Chennai



**Dr.Subramanian Swamy**  
Professor  
Harvard University –USA



**Dr. K.Muthuchellian**  
Vice Chancellor  
Periyar University-Salem



**Dr.Arockiasamy Arulandu**  
Scientist, International Centre for  
Genetic Engineering and  
Biotechnology (ICGEB),  
New Delhi



**Prof. Salvatore Massa**  
University of Foggia  
Italy



**Prof. H.Devaraj**  
Vice-Chariman  
University grants commission  
New Delhi

### Filling in of Teaching Positions

- The Management is very particular to provide adequate number of faculty for each department.
- At the beginning of every semester, work load of each department is calculated to ascertain the number of faculty to be recruited.
- Interviews are conducted at the earliest to select the number of staff required.
- In matters of faculty recruitment and promotion, the institution follows, as far as possible, the norms prescribed by the UGC / the State Govt.

### Induction and In-Service Academic Development Programmes

- The newly recruited teachers are subjected to undergo induction and in-service academic development programmes.

## Criterion-II: Teaching-Learning and Evaluation

- The Principal addresses these staff members explaining to them the methods of efficient and effective preparation for the classes, delivery of lectures and the desirable qualities and behavior of a good teacher.
- Faculty development programmes are conducted during the course of the academic year.
- The Principal and the HODs regularly monitor the performance of the newly recruited staff. If necessary, they provide concrete counseling, guidance, advice and directions to them.
- The table 2.7 given below provides details of the faculty development programmes.

**Table 2.7**  
**Details of Faculty Development Programmes**

S.No.	Date	Topic	Resource Person
1	28.05.2014	Emotional Psychology & Mentor Mentee Psychology	<b>Dr. B. Selvaraj</b> Associate Prof. of Psychology Government Arts College Coimbatore
2	27.05.2014	Who is a good teacher?	<b>Prof. S. Srinivasan,</b> Retd. Prof. of English, PSG College of Arts & Science, Coimbatore
3	07.09.2013	Discover the Teacher in you	<b>Dr. Jayanthasri Balakrishnan</b> Associate Professor in English PSG College of Arts & Science, Coimbatore
4	05.06.2013	Teacher Within	<b>Dr. K. Mani</b> Retd. Professor of Botany Former Editor of Kalaikathir PSG College Coimbatore
5	04.06.2013	Classroom Management and Student Psychology	<b>Dr. B. Selvaraj</b> Associate Prof. of Psychology Government Arts College Coimbatore
6	08.09.2012	Effective Communication Skills	<b>Prof. V. Natarajan</b> Prof. & Head Department of Journalism and Mass Communication Periyar University, Salem – 636 011
7	02.06.2012	Effective Teaching	<b>Dr. K. Rathinasabapathi</b> Associate Prof. of English PSG College of Arts & Science Coimbatore
8	01.06.2012	Information and communication technology	<b>Dr. S. Senthilnathan</b> Asst. Prof. & Dy. Co-ordinator UGC-SAP (DRS) Dept. of Educational Technology Bharathidasan University, Trichy
9	03.05.2012	Teaching a Noble Profession	<b>Mr. R. Krishnamurthi</b> Corporate Trainer, NLP Practitioner

10	10.09.2011	Our Attitude & Aptitude determine our Altitude	<b>Dr. R. Selvakumaran</b> Principal, Muthayammal College of Arts & Science, Rasipuram
11	10.09.2011	Who is a good teacher?	<b>Prof. S. Srinivasan</b> PSG College of Arts & Science Coimbatore

### Creativity and Innovation in Teaching

- The staff members who exhibit the quality of creativity and innovation in their teaching are suitably honored at the college functions.
- We have instituted an award titled “MCAS AWARD 2013 for the best innovative teaching”.



MCAS Award 2013 for Best innovative teaching



MCAS Award 2013 for Best Practices in the Department

## 2.5 Evaluation Process and Reforms

### Evaluation Processes

- The University has clearly stated that internal assessment forms an integral part of evaluation. It has stipulated that out of 100 marks for a paper, 25 marks are allotted for internal assessment. Every student is informed of the appropriation of 25 marks at the beginning of the first semester itself (table 2.8).

**Table 2.8**  
**Allocation of Marks in Internal Assessment**

Particulars	UG	PG
Attendance	5	5
Assignment	5	5
Test Marks	15	10
Seminar	-	5
Total	25	25

- Class-wise attendance registers are maintained by each department. Regular and very high percentage of attendance indicates that the student is good, duty conscious and well behaved.

## Criterion-II: Teaching-Learning and Evaluation

- Assignments submitted by the students on topics allotted by the teachers are also valued and marks scored are entered in the marks register.
- Periodical tests and examinations are conducted in a semester. Answer scripts are valued and marks are entered in a mark register maintained in the department.
- As far as the PG students are concerned, their presentation at the class-level seminars forms one of the components of internal assessment.
- Internal assessment has been calculated as per the norms given above.
- The student is welcome to bring any grievance in the internal assessment to the notice of the teacher who will take corrective measures in genuine cases.
- The entire process is carried out with the fullest knowledge of the stakeholder (the student) and his/her signature is obtained in the records.

### Academic Calendar for Examinations

- With regard to the examinations conducted by the college, we strictly adhere to the dates stipulated in the academic calendar.
- With regard to the University examinations, we have no other options but to comply with the dates prescribed by the University.

### Transparency and Security in Evaluation

- Our method of internal assessment is transparent. The Principal has prepared a model template following which internal assessment mark is arrived at. Weightage in this template is given to assignments (Independent reading), attendance and marks scored in internal examinations. The student individually learns his/her internal assessment marks from the HODs and goes through the template and signs it by way of expressing his/her approval. If a student has any grievances, he/she is free to convey it to the HOD/Principal. If the student's grievance is found to be genuine, it is redressed and justice is done.
- With regard to external assessment (valuation of answer scripts of University examinations) transparency and security of evaluation system are ensured by the Periyar University.

### Use of Technology in Examinations

- All the internal examinations are conducted following the University pattern.
- Question papers are set and sent online to the internal exam cell.
- Online examination is conducted with regard to certain papers.
- Examination marks are uploaded in the systems.
- Result analyses are efficiently done and reported by using technology.

- Correspondence connected with the conduct of examinations (appointment of hall invigilators, hall allotment and seating arrangements etc.,) is intimated through online.

### Redressal of Exam. Grievances

Redressal of grievances with reference to evaluation:

#### At the College Level

- There is a grievance cell functioning in this college. A student has the freedom to draw the attention of the cell to any grievance pertaining to any exam conducted at the college either in person or through letter.
- The grievance cell will initiate suitable action to redress the grievance.
- Strict instructions have been given to all the teachers to remain neutral and impartial in evaluating a student's performance. Human bias is given no room.
- Students have the freedom to bring it to the knowledge of the HODs or the Principal any grievance in evaluation. They usually give a patient hearing and issue proper instructions to the staff concerned for redressal in deserving cases.

#### At the University Level

- In the present educational scenario, discrepancy in valuation has been noticed in the University examinations. Hence forth, the University has made provision for the students to apply for revaluation, in case he/she is convinced that valuation has not been done properly. Student can even go to the extent of applying for photo-copy of his/her answer script

## 2.6 Student Performance and Learning Outcomes

### Attributes of Graduates

The institution considers the following as the graduate attributes:

- Regular attendance
- Obedience and respect to the teachers
- Good conduct and behavior
- Good performance in the curricular/co-curricular/extra-curricular activities
- Social consciousness and willingness to help the society
- Obedience and respect to the parents
- Employability of the student

**Achievement of Stated Graduate Attributes**

The programmes and activities organized by the college certainly help to achieve the above stated objectives.

Regular attendance	This is monitored daily. Absentees for more than 3 days are strictly warned. Parents' attention is drawn through a post.
Obedience and respect to the teachers	Teachers allocate a few minutes in a period to impart moral values.
Conduct and behavior	Top priority is given to discipline. All the teachers take care to maintain discipline. The Dean-Student Affairs is greatly concerned with matters of discipline within the campus.
Performance in the curricular/ co-curricular/extra-curricular activities	Vigorous teaching and rigorous coaching and conduct of many examinations/competitions help to produce good results.
Employability of the student	A placement cell takes all the steps to ensure that a good number of students get placements every year.

**Learning Outcomes of the Programmes**

The programme and syllabus for the course prescribed by the University give a detailed account of the learning outcomes and they are designed in such a way as to achieve the stated outcome. A copy of the syllabus is always available with staff and the departments. Usually, the teacher, at the very first class in a semester, spends some time to explain the various aspects of the syllabus. The student is advised to go for a photo copy of the syllabus.

The learning outcomes intended to be achieved in addition to the programme objectives are as follows:

- Imparting in-depth knowledge in the chosen subject
- Acquiring a thorough knowledge in computer literacy
- Equipping the student with various soft skills
- Enhancing the students' language competency
- Making the students environment conscious
- Creating interest in research
- Enhancing students' employment potential

- Moulding the students into ideal citizens who are patriotic and serve the cause of the fellow human beings, society and the nation at large

### Learning Outcomes and Assessment Processes of the University

As an affiliated college of the Periyar University, our institution endeavors to achieve good results in all the academic matters (imparting value based sound education, admission, pass percentage, achievements in games and sports, outreach programmes, placements, maintenance of discipline etc.).

**Table 2.9**  
**Periyar University Gold Medalists**

S.No.	Prog.	Department	No. of Gold Medalists				
			2008-09	2009-10	2010-11	2011-12	2012-13
<b>Total</b>			<b>5</b>	<b>5</b>	<b>8</b>	<b>6</b>	<b>13</b>
1	PG	Medical Biochemistry			1	1	1
2	PG	Biotechnology	1			1	1
3	PG	Biotechnology (Integrated)			1		
4	M.Phil	Biotechnology					1
5	M.Phil	Computer Science					1
6	PG	Bio Chemical Technology	1				
7	UG	Electronics & Communication					
8	PG	Organic Chemistry	1	1	1	1	1
9	PG	Commerce CA		1	1		
10	PG	Electronics & Communication			1	1	1
11	M. Phil	Biochemistry	1			1	
12	UG	Biochemistry					1
13	PG	Biochemistry					1
14	UG	HMCS					1
15	PG	TFD		1			
16	UG	BBA	1				
17	UG	Biotechnology		1			
18	PG	Applied Microbiology					1
19	PG	Bioinformatics		1	1		
20	M. Phil	Microbiology			1		1
21	UG	Chemistry			1		
22	UG	Bioinformatics				1	
23	PG	Software Science					1
24	PG	MCA					1



**Table 2.10**  
**Periyar University Rank Holders**

S.No.	Prog.	Department	No of Rank Holders				
			2008-09	2009-10	2010-11	2011-12	2012-13
<b>Total</b>			<b>48</b>	<b>47</b>	<b>57</b>	<b>51</b>	<b>64</b>
1	UG	BBA	4				
2	UG	BBA CA					2
3	UG	BCA			1	1	
4	UG	ENGLISH					1
3	PG	MCA	2		3	3	6
4	UG	Biochemistry	2	2	1	2	1
5	PG	Biochemistry	4	2	2	1	1
6	M. Phil	Biochemistry	1		7	8	6
7	PG	Medical Biochemistry	1	3	6	3	2
8	UG	Bioinformatics				1	
9	PG	Bioinformatics	2	2	4		
10	PG	Biotechnology (Integrated)		3	3		
11	PG	Biochemical Technology	2				3
12	UG	Biotechnology	2				
13	PG	Biotechnology	4	3	1	3	3
14	M. Phil	Biotechnology	5	2	5	5	3
15	UG	Chemistry			1	2	1
16	PG	Chemistry		2	2		3
17	PG	Organic Chemistry		1	2	3	2
18	UG	B.Com CA		1	1		
19	UG	B.Com		1			
20	PG	M COM CA					3
21	M.Phil	Commerce					2
22	UG	Computer Science	1	1			
23	PG	Computer Science	2	2	1	1	1
24	M.Phil	Computer Science					8
25	UG	Electronics & Comm.	1	2			
26	PG	Electronics & Comm.		5	7	6	7
27	UG	HM&CS	1	2		2	
28	UG	Mathematics	3				
29	PG	Mathematics	2	1	2	3	1
30	UG	Microbiology	4		1		2
31	PG	Applied Microbiology		2	1	2	

## Criterion-II: Teaching-Learning and Evaluation

32	M. Phil	Microbiology	2	2	3	4	2
33	UG	Physics	2	2	1		
34	PG	Physics	1		2		
35	UG	Textile & Fashion Design		1			2
36	PG	Textile & Fashion Design		5		1	1
37	UG	HMCS					1

**Table 2.11**  
**Over All Pass Percentage of Students**

S.No	Dept.	Over All Pass Percentage							
		UG				PG			
		2011	2012	2013	2014	2011	2012	2013	2014
1	B.Com	69	59	59	72	64	73	71	93
2	B.Com CA	86	79	75	74	68	57	88	58
3	BBA	86	78	91	79	-	-	-	
4	BBA CA	93	83	77	70	-	-	-	
5	BCA	81	82	84	87	77	90	95	89
6	Biochemistry	100	50	88	85	90	68	90	71
7	Bioinformatics	-	100	-	-	-	-	-	
8	Biotechnology	100	79	68	92	98	96	97	100
9	Biotechnology (Integ.)	-	-	-	-	100	-	-	
10	Chemistry	81	74	72	80	78	47	46	49
11	Computer Science	84	75	78	84	97	93	100	94
12	Electronics & Comm.	85	50	50	64	95	94	91	100
13	English	-	55	63	59	-	-	-	75
14	HMCS	56	58	79	62	-	-	-	
15	Maths	96	87	86	89	48	69	44	38
16	Medical Biochem.	-	-	-	-	100	83	86	100
17	Microbiology	82	88	90	83	97	76	100	100
18	Organic Chemistry	-	-	-	-	44	83	78	100
19	Physics	91	44	83	61	52	75	75	90
20	TFD	78	87	87	74	91	100	100	64

### Shortfalls in Achievements of Learning Outcomes

The Principal convenes HODs'/ Coordinators' meetings and make a thorough review to find out whether the departments have achieved good learning outcomes which are expressed by the percentage of the passes in the university examinations, the number of gold medalists and the number of university ranks. Shortfalls are identified and remedial measures are initiated. The cells concerned are given guidelines to remedy the situation.

### **New Technologies to Enhance Student Learning**

- Conventional methods of teaching is complemented by modern methods.
- Teachers adopt power point presentation and use CDs and A/V halls.
- All the departments have been provided with internet connections.
- The teachers take advantage of e-notes, blogs etc.
- Charts and models are used wherever necessary.
- Students are encouraged to involve themselves in individual learning and collaborative learning.
- Students are asked to prepare e-assignments.
- An English Communication Laboratory has been set up and it has been utilized by the students to enhance their communicative skills.
- Students are encouraged to participate in various examinations conducted by other agencies. Guest lectures, seminars etc., organized by the departments will be helpful in enhancing student learning.
- Availability of facilities to view online programmes such as GYNANDHARSAN.

# Criterion-III

Research, Consultancy and Extension

### CRITERION-III: RESEARCH, CONSULTANCY AND EXTENSION

The intellectual exercise of research in MCAS is vibrant and exuberant. The number of seminars conducted at national and regional levels and the number of research papers presented in various level seminars stand a testimony to the vibrancy of the college in the thrust areas of research. Consultancy has been considered another dimension of higher education for which a Consultancy and Research Development Cell has been functioning with a view to facilitating and monitoring research activities on the campus. To mould the students with both knowledge and social conscience, a number of extension activities have been carried out so that they may serve the society with care and concern. A Community college has been in activation in the institution. In brief, research consultancy and extension have become an integral part of higher education in the institution.

#### 3.1. Promotion of Research

##### Provision of Seed Money

- The requirements needed for research for a faculty are readily purchased and supplied to the department concerned as and when required.
- The staff member is free to utilize any facility available in the college laboratories for the research.

##### Research Facilities Available to the Faculty

- Well-equipped laboratories conducive for research.
- Availability of research journals/magazines, e-journals and internet facility to the researchers.
- The teachers are encouraged to take part in national/international seminars conducted by other colleges/universities. Necessary permission and financial help are provided by the management.
- Hike in increments on successful completion of research degrees.
- Cash incentives to those who have published research articles in national/international journals at the time of annual day celebrations.
- Expenditure incurred with regard to research is given in table 3.1 which shows our interest and encouragement in promoting research of our faculty:

**Table 3.1**  
**Budget for Research (Rs. in Lakhs)**

S.No.	Particulars	2010-11	2011-12	2012-13	2013-14
		Utilized	Utilized	Utilized	Utilized
	<b>Total Expenditure</b>	<b>39.37</b>	<b>33.35</b>	<b>29.85</b>	<b>46.22</b>
1	Functions & Seminar (2 Events)	13.17	10.89	7.77	10.85

2	Lab Consumables (for research purpose)	10.68	8.82	11.99	14.68
3	Journal Subscription	0.91	0.78	0.94	0.84
4	Lab Equipments	14.61	12.86	9.15	19.85

### Promotion of Research Culture

- The R&D cell of the college encourages all the faculty to pursue research and obtain M. Phil/Ph. D., degrees.
- Research guides are given work load remission to the extent possible.
- Faculty pursuing research are free to utilize all the facilities in the laboratories and the library.
- Faculty pursuing research are permitted to attend seminars, conferences etc., on on-duty permission to enable them to update and enhance their knowledge in their respective research areas.
- The Management bears the registration charges/the entire expenditure for attending a seminar/conference/workshop, etc.
- In order to enable a faculty to complete his/her research, the Management is kind enough to grant him/her leave for a longer period (a few months).



### Opening Ceremony of R&D Cell

- The Annamalai University, Chidambaram has recognized our institution as a research center with the result our students can carry on research leading to M. Phil., / Ph. D., using the facilities available at either institution.
- To complete their project work, the students of the departments of Biological Sciences (Biotechnology, Microbiology and Biochemistry) are permitted to utilize the equipments like HPLC, GCMS etc., available at the Indian Institute of Crop Processing Technology, Thanjavur, Tamil Nadu.
- They are also allowed to utilize the equipments at SITRA, Coimbatore, Tamil Nadu.
- Many of our faculty pursuing research are guided by research supervisors serving in various other Universities in South India.

### Recognition for Research Guides

- Due recognition is given to all the faculty guiding research.
- Research guides are exempted from certain academic duties requiring a lot of clerical work.
- Some leniency is shown to the research guides in their regular work load.
- Monetary benefit is provided to research guides.
- Priority is given to the research guides in according necessary permission to attend seminars, symposia etc.
- All the research supervisors are suitably honored at the time of annual day celebrations.

### Research Committee

- The institution has set up a research committee titled “Consultancy & Research Development Cell” to promote, direct and monitor research.
- This cell provides information regarding the financial assistance provided by many funding agencies functioning under the control of the central or state governments.
- The cell motivates the faculty to prepare a project, if possible, on a local problem and submit it to appropriate funding agencies.
- A research journal titled, “MCAS Journal of Research” is brought out by the cell and the cell advises all the staff and students to publish their research findings in it.

### Programmes for Promotion of Research Culture

- The institution takes all the steps to maintain a research culture on the campus.
- 8 out of 16 departments conduct research programmes.
- Curricula of almost all the departments necessitate all the PG and some of the UG students to carry out a research project.
- Table 3.2 provides evidence for our efforts to promote a research culture on the campus.

**Table 3.2**  
**Details of Guest Lectures/Workshops/Training & Sensitization Programmes**

Date	Resource Person	Designation	Title
<b>BBA</b>			
13.10.2008	Dr. S. Rajamohan	Professor, Management Studies Alagappa University, Karaikudi	Guest lecture on “Research methodology an overview”.
19.09.2007	Dr. S. Rajamohan	Reader in Management Studies, Alagappa University, Karaikudi	Guest lecture on “Research Methodology”.
30.12.2003	Dr. P. Natarajan	Reader in Commerce, Alagappa Institute of	Guest lecture on “Research

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		Management, Karaikudi	Methodology and employee welfare".
26.09.2003	Dr. S. Kaliyamoorthy	Director, Management Studies, Alagappa University, Karaikudi	Guest lecture on "Transactional Analysis".
<b>BIOCHEMISTRY</b>			
25.09.2013	Dr. T. Parimelazhagan	Associate Professor, Department of Botany, Bharathiar University, Coimbatore	Guest Lecture on "Phytomedicine".
06.10.2012	Dr. Chandra Sekhar Korapala	Senior Principal Investigator, Syngene International Limited - Bangalore	Guest Lecture on "Drug discovery – Modern Methods in Industry".
10.06.2011	Dr. R. Rajagopal	Scientist, Virginia Commonwealth University, Richmond, USA	Guest Lecture on "Receptors".
06.10.2010	Dr. R. Selvam	Asst. Prof. Department of Molecular Biology, Bishopheber College, Trichy	Guest Lecture on "Nanotechnology".
20.01.2010	Dr. K. Kalai selvi	Asst. Prof. Dept of Biochemistry, Avinashilingam University, Coimbatore	Guest Lecture on "In vitro culture- an alternate for plant secondary metabolite production".
14.08.2009	Dr. M. P. Saravanan	Asso. Prof. KAPV Government Hospital, Trichy	Guest Lecture on "Is Biochemistry a tough subject to learn?".
<b>BIOTECHNOLOGY</b>			
08.01.2014	Dr. E. M. Elango Mr. A. Bharathraman	Founder & Managing Director, Evergreen Bio solutions, Hosur Director, ABC Agro Biocare, Dharmapuri	Industry-Institute Interaction Programme.
27.09.2013	Mr. Vivek Murali	Founder, Chief Operating and Scientific Officer, Remura Biological, Krishnagiri	Guest Lecture on "Current trends in Molecular Biology & drug discovery research".
14.02.2013 & 15.02.2013	Mr. N. Sundaresan	School of Biotechnology, MK University, Madurai	Workshop on "Genetic Engineering & Bioinformatics".
10.01.2013	Dr. N. Jeyakumar	Faculty of Medicine, AIMST University, Malaysia	Guest Lecture on "Mushroom technology and Recent trends in Nanotechnology".
09.02.2012 & 10.02.2012	Mr. Saravanaperumal & Biotech Staff Members	Medox Biotech & MCAS	Two day Workshop on "Animal Cell Culture Techniques" in



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			collaboration with Medox Biotech Pvt Ltd, Chennai.
09.02.2011 & 10.02.2011	Biotechnology Staff Members	Dept. of Biotechnology MCAS	Two day Workshop on "Plant Tissue Culture".
23.09.2010	Mr. Anandha Padmanaban	Clinical Consortium Pvt. Ltd, Coimbatore	Guest Lecture on "Clinical Research – Indian Scenario".
16.03.2010	Dr. T. Dhanabal	Senior Scientific Officer, TNSCST, Chennai	One day "Bee Keeping Training Programme".
27.11.2009 to 01.12.2009	Dr. A. J. A. Ranjit Singh	Head, Dept. of Advanced Zoology & Biotechnology, Sri Paramakalyani College, Alwarkurichi	5 days Training Programme on "Apiculture" for Weaker Section of Namakkal District.
29.08.2009	Dr. S. Sukumar	Associate Professor & Head, Central Instrumentation Laboratory, Madras Veterinary College, Chennai	Guest lecture on "Animal Cell Culture & Vaccine Production."
06.11.2008	Dr. P. Megalingam	Senior Lecturer, Dept. of Botany, VHNSN College, Virudhunagar	Guest Lecture on "Microtome".
04.09.2008	Thiru Mr. R. Radha Krishnan	District forest officer, Namakkal	Environment Awareness Programme for Rural School Students.
05.10. 2007	Dr. E. M. Elango	Head, Molecular Biology Lab, Amrita Institute for Medical Science, Cochin, Kerala	Guest Lecture on "Cancer Genomics – Experience & Expectations".
27.07.2007	Dr. S. Sukumar	Scientist, Veterinary University, Chennai	Guest Lecture on "Cell Culture Techniques".
30.09.2006	Dr. R. Puvanakrishnan	Deputy Director & Head, Central Leather Research Institute, Chennai	Guest Lecture on "Biotechnology in Leather Processing".
23.09.2006	Dr. S. Sukumar	Assistant Professor, Central Instrumentation Laboratory, Madras Veterinary College, Chennai	Guest Lecture on "Animal Biotechnology".
01.09.2006	Dr. N. Jeyakumar	Head, Department of Microbiology, Kamaraj College, Tuticorin	Training programme on "Mushroom Cultivation Technologies".
30.08.2006	Dr. E. G. Ebenezer	Professor, TNAU, Madurai.	Training programme on "Mushroom Cultivation".
08.11.2005	Prof. Salvatore Massa	Professor, Department of food Microbiology,	Guest lecture on "Food Microbiology".

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		Foggia University, Italy	
17.10.2004	Dr. S. Suyambulingam	Department of Mathematics, Mahindra Arts & Science College, Kalipatti	Guest lecture on "Research Methodology".
09.10.2004	Dr. G. Vijayalakshmi	Professor, Department of Environmental Biotechnology, Manonmanium Sundaranar University	Training programme on "Vermiculture Biotechnology".
28.09.2004	Dr. S. Sukumar	Head, ADL Research Institute, Namakkal	Guest lecture on "Cell Culture in Vaccine Production".
05.03.2004	Dr. S. Seeni	Scientist G, Deputy Director, Tropical Botanical Garden & Research Institute, Trivandrum	Guest lecture on "Secondary Metabolites".
18.11.2003 & 27.09.2003	Dr. S. Sukumar	Head, ADL Research Institute, Namakkal	Training programme on "PCR Techniques". Training programme on "Animal Tissue Culture".
23.02.2002	Dr. Raja	Department of Biotechnology, Veterinary College of Research Institute, Namakkal	Guest Lecture on "Immunotechnology".
22.02.2002	Dr. Y. Hariharan	Division of Plant Biotechnology, National College, Trichy	Guest Lecture on "Molecular Biology".
06.10.2001	Dr. P. Ramadass	Professor, Department of Animal Biotechnology, Madras Veterinary College, Madras	Seminar on "Animal Biotechnology".
27.09.2001	Dr. A. Gnanamani	Scientist, Central Leather Research Institute	Special Lecture on "Biodegradation & Enzyme Technology".
<b>CHEMISTRY</b>			
04.10.2013	Mr. R. Mohanraj	Guest Lecturer, Department of Chemistry, Periyar University, Salem	Guest Lecture on "Tips on NET/SET exam".
10.09.2013	Dr. M. Sathish	Scientist, Functional Materials Division, Karaikudi	Guest Lecture on "Energy Storing".
11.10.2012	Dr. I. V. Muthu Vijayan Enoch	Asst. Prof. Karunya University, Coimbatore	Guest Lecture on "NMR spectroscopy and research".
03.09.2011 &	Dr. D. Sukumar	Bharathiyar College of Engineering and	Guest Lecture on "Group theory and its

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04.09.2011		Technology, Karaikal	applications”.
15.09.2010	Dr. A. Burkanudeen	Jamal Mohammed College, Trichy	Guest Lecture on “Spectroscopy”.
15.02.2010	Dr. K. K. Balasubramanian	Shasun Research Centre, Chennai	Workshop on Research & Industries.
<b>COMMERCE</b>			
23.03.2012	Dr. A.Santhosam	Regional Joint Director, Collegiate Education, Coimbatore	Seminar on “Trade & Development in India”.
	Dr.H.Shankar	Professor of Commerce, Annamalai University, Annamalinagar	
03.09.2011	Dr.R.Perumalsamy	State Information Commissioner, Tamilnadu State Information Commission, Chennai	Seminar on “RTI Act 2005”.
	Dr.V.Manickavasakam	Controller of Examinations, Alagappa University, Karaikudi	
08.09.2010	Shri Abhash Kumar	IPS IGP Crime (SIT), Chennai	Seminar on “Leadership in Commerce”.
	Dr.P.Natarajan	Professor of Commerce, School of Management, Pondicherry, Central University, Puducherry	
09.10.2009	Shri. Tiruchi Siva	Member of Parliament	Seminar on India’s Vision on Economic Development.
	Dr. A. Jayakumar	Controller of Examination, Periyar University, Salem	
25.09.2009	Dr. S. Sekar	Head, Department of Commerce, Urumu Dhanalakshmi College, Trichy	Seminar on Overview on Indian Share Market.
04.04.2009	Shri. Rajeev Ranjan	IAS, Secretary to the Government Commercial Taxes Department	Seminar on Rural Entrepreneurship.
23.08.2008	Dr.E.M.Sudarsana natchiappan	Hon’ble Member of Parliament, Chairman, Parliamentary Standing Committee on Personnel, Public Grievances and Law & Justice, Govt. of India	Guest lecture on “Impact of Globalisation on Indian Economy ”.
06.02.2008	Shri. K.Venkatapathy	Hon’ble Union Minister of State for Law & Justice Govt. of India	Seminar on “Recent Trends in Banking”.

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	Dr.Rm. Chidamabram	Dean, Faculty of Management Alagappa University, Karaikudi.	
	Dr.H.Shankar	Professor in Commerce, Annamalai University	
	Shri.P.K.K.Krishanan	General Manager, RBI, Chennai	
	Shri. S.Mani	General Manager, Tamilnadu Industrial Investment Corp.Ltd., Chennai	
	Dr.P.Natarajan	Professor of Commerce, Pondicherry University, Puducherry	
09.02.2007	Shri. EVKS Elangovan	Hon'ble Minister of State for Textiles , Govt. of India	Guest lecture on Rural Development.
	Dr.B.Regina papa	Former Director of Women's Studies, Alagappa University, Karaikudi	
	Dr.H.Shankar	Professor of commerce, Annamalai University	
	Prof.E.Gordon	Former Professor of Commerce, ANJA College, Sivakasi	
	Dr.S.Narayanasamy	Prof & Head, Department of Gandhian Thought and Peace Science, Rural University, Gandhigram	
07.10.2006	Dr.S.Soundiyan	Asst Director, Khadi & Village Industries Commission, Coimbatore	Guest lecture on Entrepreneurship in Rural Industry Initiation.
<b>MATHS</b>			
31.08.2013	Dr. M. Mallika Arjunan	Assistant Professor, Department of Mathematics, C.B.M College, Coimbatore	"One day Workshop on LATEX".
03.03.2012	Dr. P. V.Arunachalam	Former Vice-Chancellor, Dravidian University, Kuppam, A.P	Guest lecture on "Emerging Trends in Pure & Applied Mathematics".
	Dr. A. Muthusamy	Prof in Mathematics, Periyar University, Salem	
	Dr. K. Ravi	Reader, Associate Prof. & Head (UG), Sacred Heart College (Autonomous), Tirupattur	

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	Dr. E. Thandapani	Prof in Maths, Ramanujan Institute for Advanced Study in Mathematics, Chennai	
30.01.2012	S. Mahesh Anand	Technical & Teaching Head, Pholx Techno Labs, Chennai	Guest lecture on "Application in Matlab & Scilab".
02.03.2010	Dr. E. Thandapani	Prof. in Ramanujan Institute for Advanced Study in Mathematics, Chennai	Guest Lecturer on "Applications of Matrices in Differential Equations and Difference Equations".
12.05.2009	Dr. C. Selvaraj	Head & Prof. in Mathematics, Periyar University, Salem	Guest lecture on "Recent Trends in Mathematical Analysis".
<b>MICROBIOLOGY</b>			
24.09.2013	Dr. K.Kumar	Prof. Dept of Agri Microbiology, TNAU, Coimbatore	Guest Lecture on "Biofertilizer Technology".
01.03.2013	Dr S. Chinnarasu	Scientist, R & D Division, TNPL, Karur	Guest Lecture on "Anaerobic Waste water Treatment".
20.09.2011	Dr. A. Tajudeen	Head & Professor, Dept. of Microbiology, Bharathidasan University, Trichy.	Guest Lecture on "Algal Biotechnology".
21.02.2010	Dr. R. Balagurunathan	Professor & Head, Dept. of Microbiology, Periyar University, salem	Guest Lecture on "Extremophiles".
29.09.2009	Dr. K. Ilamurugu	Professor in Microbiology, TNAU, Coimbatore	Guest Lecture on "Agricultural Microbiology".
19.09.2009	Dr. R. Balagurunathan	Professor & Head, Dept. of Microbiology, Periyar University, salem	Guest lecture on "Marine Microbiology".
10.09.2009	Dr. P. Suresh	Asst. Prof, Dept. of Veterinary Microbiology, TANUVAS, Namakkal	Guest Lecture on "Tissue culture".
04.08.2009	Dr. G. Rajannan	Prof, Dept. of Environmental Sciences, TNAU, Coimbatore	Guest Lecture on "Environmental Microbiology".
07.02.2009	Dr. G. Gopaldasamy	Professor, Dept. of Agricultural Microbiology, TNAU, Coimbatore	Guest Lecture on "Agricultural Microbiology".
18.08.2007	Dr. Kumutha	Prof, Dept. of	Guest Lecture on

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		Agricultural microbiology, TNAU, Coimbatore	“Agricultural Microbiology”.
29.09.2011 & 30.09.2011	Dr. P. Rajendran	Professor & Head, Dept. of Microbiology University of Madras	Workshop on Designing and Ethics of Research.
	Dr. J. Shanmugam	Professor, Dept. of Microbiology Smvmch,Pondy	
	Dr. A. Burkanudeen	Asso. Prof Jamal Mohammed College, Trichy	
09.01.2008 to 11.01.2008	Department Faculty	MCAS	Workshop on Microbial Techniques.
09.01.2010 to 11.01.2010	Department Faculty	MCAS	Workshop on Microbial Techniques.
03.02.2012 & 04.02.2012	Department Faculty	MCAS	Workshop on Techniques in Microbiology.
<b>PHYSICS</b>			
07.03.2013	Dr. R. Bharathi Kannan	Asst Professor, Dept of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore	Guest lecture on “Quantum Mechanics & its Applications”.
26.09.2011	Dr. K. Srinivasan	Associate Professor, Dept of Physics, School of Physical Science, Bharathiar University, Coimbatore - 641 046	Guest Lecture on “Crystal Growth”.
19.03.2010	Dr. K. Sundararaman	Sr. Scientist, Indian Institute of Astrophysics observatory, Kodaikkanal	Seminar on International Year of Astronomy
<b>ENGLISH</b>			
01.04.2014	Dr. A.Noel Joseph Irudhayaraj	Former Head,Department of English,Bharathidasn University, Trichy	Guest Lecture on Pre-modern, Modern, Post-Modern Criticism.
19.10.2013	Dr. S. Armstrong	Professor & Head, Madras University, Chennai.	Guest Lecture on American Literature.
04.03.2013	Dr. D. E.Bennet	Associate Professor, Department Of English, National College, Trichy.	Special Lectures
	Dr. S. Joseph Arul Jayraj	Associate Professor, Department Of English, St. Joseph’s College, Trichy.	
	Prof. G. Ravindran	Former Head,	

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		Department Of English, St. Joseph's College, Trichy.	
06.02.2013	Prof. R. Raja Govindasamy	Former Head & Principal, Department Of English, Thiagarajar College, Madurai.	Guest Lecture on "Post Colonial Indian English Literature".
10.10.2012	Dr. A. Mohammed Ibraheem.	Associate professor & Head, Department Of English, Jamal Mohammed College, Trichy.	One Day Workshop on Literature.
22.03.2012	Dr. A. Mohammed Ali Jinnah	Associate Professor, Department Of English, Jamal Mohammed College, Trichy.	Special Lectures
	Dr. A. Mohammed Mustafa	Associate Professor, Department Of English, Jamal Mohammed College, Trichy	
	Dr. G. Balakrishnan	Former Head, Department Of English, St. Joseph's College, Trichy.	
19.12.2011	Dr. Papu Benjamin Elango	Head, Department of English, St. Joseph's College, Trichy.	Guest Lecture on Enhancing Communication Skills.
19.02.2010	Dr. S. Srinivasan	Head, Dept of English, PSG College of Arts & Science, Coimbatore.	Guest Lecture on Motivation Programme.
<b>CONSULTANCY AND RESEARCH CELL</b>			
13.09.2013	Dr. S. Mohan Prabhu	Asso. Prof. & Head, Dept. of Statistics MCAS, Rasipuram	Workshop on Statistical Package For Social Sciences.
20.07.2013	Dr. P. Iyappan Mr. P. Selvamaleswaran	Asso. Prof. Dept. of Biotechnology MCAS, Rasipuram	Workshop on PCR Technique.
21.01.2013 to 23.01.2013	Mr. C. Thiagarajan	Lecturer, Dept. of Microbiology , Srimathandavar Arts & Science College, Trichy	Workshop on "Bioinformatics".
27.06.2012	Dr. V. Rajendran	Director, Research & Development, KSR Group of institution, Tiruchengodu	Guest lecture on Project writing for funding agencies.
29.09.2011 & 30.09.2011	Dr. A. Burkanudeen	Reader, PG & Research Dept of Chemistry, Jamal Mohamed College, Trichy	Workshop on "Designing and Ethics of Research".

### Sabbatical Leave for Research Purposes

- The institution lends support to the faculty who would like to launch their research activities.
- An appreciable percentage of the faculty has utilized leave provisions for research activities.
- Leave for a longer period (a few months or a year) is also permitted, if required.
- If a researcher wants to avail a couple of days leave for his research, on-duty permission is granted.
- The table 3.3 provides information with regard to leave availed by research scholars.

**Table 3.3**  
**Staff Availed On-duty Permission for their Research Activities**

Dept.	Staff Members Availed Leave / OD for Research Activities		Purpose
	No. of Staff Members	Duration	
Academy of Computer Science	5	Maximum 2 days	Attended workshop/Seminar
Commerce	5	11 days	Public viva-voce and University Convocation
Biotechnology	2	1 month & 6 days	Ph. D work
E&C	2	2 days	Attended Workshop
Chemistry	1	1 month (2012) & Two and a half months (2013) & 1 month (2014)	Ph. D work
Microbiology	1	10 days	Research Training
TFD	1	1 Month	Ph. D work
Mathematics	1	1 year 6months	Ph. D work

### 3.2. Resource Mobilization for Research

#### Financial Provisions for Research

- Every year a handsome amount is spent on the requirements of the scholars.
- The table 3.1 gives detailed information as to the expenditure incurred for the research.



**Table 3.4**  
**Financial Assistance to Support Student Research Projects**

Dept.	Name of the Student	Year	Grant Received from Agency	Total Amount Received (Rs)
<b>Total</b>				<b>50,500</b>
Biochemistry	S. Saranya , II M.Sc., Medical Biochemistry	2012-13	TNSCST- BS11	10,000
	S.Deepa , II M.Sc., Biochemistry	2013-14	TNSCST- BS12	7,500
Microbiology	K. Prema	2011-12	TNSCST	6,000
	D. Vishnubharathi	2011-12	TNSCST	6,000
Biotechnology	A. Sugumar	2011-12	TNSCST- AS11	6,000
	K. Jeeva	2009-10	TNSCST-BS117	10,000
	E. Smitha	2007-08	TNSCST-BS18	5,000

**Research Grants for Major/ Minor Projects**

The table 3.5 given below provides information with regard to the projects sponsored by other agencies and the quantum of research grants for major and minor projects.

**Table 3.5**  
**Details of Projects (Ongoing & Completed)**

Nature of the Project	Duration	Title	Research Guide	Name of Funding Agency	Total Grant (In Lakhs)		
					Sanctioned	Received	Remarks
<b>BIOTECHNOLOGY</b>							
Minor Project	2007-2009	Solid Waste Management through Vermi Technology	Dr. M. Rajasekara Pandian	TNSCST	2.0	2.0	Completed
<b>BIOCHEMISTRY</b>							
Socio economic upliftment of tribal people	2 years	Socio economic upliftment of people living in Kolli Hills through inputs of Science & Technology	Dr. M. Shabana Begum	TNSCST	2.74	1.37	On going
<b>MICROBIOLOGY</b>							
Fast track young scientist award	2013	Identification and functional analysis of phosphorylation as a recognition tag for	Dr. N. Sudhakar	Dept.of Science & Technology New Delhi	24.0	11.0	On going

		SCF <sup>COL1</sup> dependent degradation of Jaz proteins regulating Jasmonate signaling in <i>Arabidopsis thaliana</i>					
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### 3.3. Research Facilities

#### Improvement of Infrastructure for Research

- There is an internet laboratory for the use of research scholars.
- To cater to the needs of researchers who handle animals, a new and modern animal house, first of its kind among the colleges affiliated to Periyar University, has been constructed and ethical clearance from the Ministry of Environment and Forests (Reg. no. 416/a/11/CPCSEA) obtained .
- A new green house has been set up recently.
- We intend to go in for a large scale purchase of software useful to research scholars.
- Our institution subscribes to INFLIBNET which enables research scholars to refer to many research journals/articles etc.



Animal House



Green House

#### Residential Facilities for Researchers

- Internet connections are made available in the hostel.
- If necessary, the research scholar is permitted to stay in the hostel on request.
- The visiting scientists are provided accommodation in the star hotels in the neighbouring towns.

**Research Projects and Enhancement of Facilities**

- Currently there is an ongoing project sponsored by the Dept. of Science and Technology, New Delhi.
- Part of the funds is being utilized for purchase of certain laboratory equipments.
- The details of the project are provided in the table 3.6 given below:

**Table 3.6  
Details of the Research Project**

Nature of the Project	Duration	Title	Research Guide	Name of Funding Agency	Total Grant (In lakhs)			Equipments purchased from project funds
					Sanctioned	Received	Remarks	
<b>MICROBIOLOGY</b>								
Fast Track Young Scientist Award	August-2013 to July-2016	Identification and functional analysis of phosphorylation as a recognition tag for SCF <sup>COL1</sup> dependent degradation of Jaz proteins regulating Jasmonate signaling in Arabidopsis thaliana	Dr. N. Sudhakar	Dept. of Science & Technology New Delhi	24.0	11.0	On going	1.Cary-60 UV-VIS. Spec. (Rs.4.85 lakhs) 2.Labman ice flaking machine (Rs.1.08 lakhs) 3.Millipore water purifier (2.5 lakhs)

**3.4. Research Publications and Awards Faculty Involvement in Research**

The information provided in tables 3.7 and 3.8 substantiates the significant involvement of faculty in research.

**Table 3.7  
Publications of Research Articles by Staff**

S.No.	Name of the Staff	No of Publications	Level of the Publications	
			National	International
<b>Total</b>		<b>210</b>	<b>37</b>	<b>173</b>
1	Dr. G. Kanchana	14	-	14

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2	Dr. N. Sudhakar	14	4	10
3	Dr. S. Anbalagan	13	11	2
4	Dr. M. Shabana Begum	12	2	10
5	Dr. A. Palanisamy	10	3	7
6	Mrs. V. Vijayadeepa	9	1	8
7	Dr. M. Sureshkumar	9	1	8
8	Mr. A. S. Syed Navaz	9	-	9
9	Mr. P. Selvamaleeswaran	8	-	8
10	Mrs. S. Shahitha	8	2	6
11	Mrs. L. Devi	8	-	8
12	Dr. T. Rajan	7	2	5
13	Dr. R. Ramaabaanu	6	4	2
14	Mrs. L. Gomathi	6	-	6
15	Dr.V.Balasubramanian	5	-	5
16	Ms. M. Geetha	5	-	5
17	Dr. P. Iyappan	5	-	5
18	Mr. P. Ashok	5	-	5
19	Mrs. N. Sudha	5	-	5
20	Ms. M. Devi	4	-	4
21	Mr. K. Jeeva	4	1	3
22	Dr. M. N. Periasamy	4	1	3
23	Dr. G. Thangapandi	3	1	2
24	Mrs. R. Pushpapriya	3	-	3
25	Mrs. V. Sangeetha	3	-	3
26	Mr.Y Shafee	3	-	3
27	Dr. E. Brindha	4	1	3
28	Dr. N. Nithiya	2	-	2
29	Mr. M. Muthusamy	2	-	2
30	Mr. S. Gopalakrishnan	2	-	2
31	Ms.A. Aarthi	2	-	2
32	Mrs. P. Sumathi	1	-	1
33	Mrs. K. Nashima	1	1	-
34	Mr. H. Lookman sithic	1	-	1
35	Ms. R. Meena	1	-	1
36	Mr. T. Prabhu	1	-	1
37	Mr. M. Ravi	1	-	1
38	Mr. K. P. Shaji	1	-	1
39	Mr. Y. A. Syed khadar	1	-	1
40	Mr. S. Kannan	1	-	1
41	Mr. A. Jaganathan	1	1	-
42	Mr.M.Ramamoorthy	1	-	1

43	Ms.P.Suba	1	-	1
44	Mrs.A.Megala	1	-	1
45	Mrs. N.Sathyabama	1	-	1
46	Mr.M.Bose	1	1	-
47	Mr.C.Srinivasan	1	-	1

**Table 3.8**  
**Publication of Books (with ISBN) by the Staff**

S. No	Name of the Staff	No. of Books Published	Title of the Book	ISBN	Name of the Publisher	Year
1	Dr. N. Sudhakar	1	Text Book for students VI - Explore Botany	0-49-569268-3	Oxford University press, New Delhi	2008
		1	Text Book for students VII - Explore Botany	0-49-569269-4		
		1	Text Book for students VIII- Explore Botany	0-49-569270-5		
		1	Text Book for students IX- Explore Botany	0-49-569274-3		
2	Mr. P. Selva maleeswaran	1	Bioinstrumentation	ISBN 9788190949071	Golden Net Publishers, Trichy	2010
3	Mr. A. Jaganathan	1	Beginners Guide For Hotel Management	ISBN 978-93-8013-19-8	TiSSL Publication Tiruchirapalli	2009

#### Code of Ethics for Researchers

- The institution adopts an official code of ethics with regard to research.
- The research guides have been strictly instructed not to allow any malpractice/plagiarism in research.
- The R&D cell monitors the research work going on in the college and ensures that the research articles/theses are based on actual findings.

#### Interdisciplinary Research

- 15 PG departments functioning in the college make it easier to conduct Interdepartmental/interdisciplinary research.
- Expertise and equipments necessary for interdepartmental/interdisciplinary research are available in the college.

- The table 3.9 given below provides data with regard to the interdisciplinary research going on in the college.

**Table 3.9**  
**Details of Interdisciplinary Research**

S. No.	Name and Dept.	Topic of Research	Other Departments Involved
1	1. Ramesh Jukanti, 2. S. Prabakaran Department of Biotechnology	Evaluation of synthetic drug potential against mastitis causing pathogens	Dept of Chemistry
2	1.E.Pratheepa II M.Sc.,TFD	Silk suture coating with antibacterial finishing using chitosan and sodium alginate	Dept of Biotechnology
3	1.R.Nisha II M.Sc.,TFD	Micro encapsulation of herbal extracts for bacterial resistance in spun laced non woven health care textile	Dept of Biotechnology
4	1.R.Dharani 2.S.Hemapriyaa 3.M.Jamuna 4.P.Nandhini 5.M.Rajeshwari III – B.Sc.,TFD	Eco friendly antibacterial finishing on cotton gauze fabric	Dept of Biotechnology
5	1.P.Gomathi 2.S.Monisha 3.V.Ramya 4.M.Vasavtha kumar 5.B.Vignesh Department of Chemistry	Mosquito repellent finish on denim fabric using tulsi oil, neem oil, keelanelli oil	Dept of Biotechnology
6	1.T. Arasakumar 2. P. Nesamani 3. P. Bhuvanewari 4. R. Govindhan 5. P. Parameswari Department of Chemistry	Synthesis, characterization & microbial activity of coordination complexes and organic compounds	Dept of Biotechnology
7	1.B.Vignesh 2.M.Vasanthakumar 3.P.Gomathi 4.V.Ramya 5.S.Monisha III B.Sc TFD	Mosquito repellent studies	Dept of Biotechnology
8	1.Famuna 2.M.Rajeswari 3.P.Nandhini 4.R.Dharani 5.S.Hemapriya III B.Sc TFD	Antimicrobial agent impregnation	Dept of Biotechnology
9	1.V.Vijaisakthi II M.Sc TFD	Fragrance Finishing with antibacterial property on household textile material	Dept of Biotechnology
10	1.R.G.Chitra	Studying antimicrobial activity	Dept of

	2.R.Dhivya Bharathi 3.E.Govindaraj 4.M.Manikandan 5.C.Sarathkumar 6.S.Varudharaj II M.Sc Chemistry		Biotechnology
11	1.R.Viji 2.G.Vengatesan II M.Sc Organic Chemistry	Studying antimicrobial activity	Dept of Biotechnology
12	1.V.Nandhini 2.M.Perumal 3.B.Rajkiran 4.J.Ramamoorthi II M.Sc Organic Chemistry	Studying antimicrobial activity	Dept of Biotechnology

### Institution's Research Awards

- At present, based on the merit and academic performance of the student/teacher, the institution honors a student / a staff by awarding "Best Student Award/Best Teacher Award" at the time of annual day celebrations.

Following this practice, during 2013-14, one of the faculty and one of our students have been honoured with "Best Researcher Award" each.



Best Teacher Award



Best Student Award



Best Researcher Award



Best Publication Award

### Recognition for Research Contributions

- A hike in the annual increment is sanctioned to the staff who successfully complete Ph. D.
- Cash incentive is awarded to the staff who publish their research findings in a national/international magazines.

### Research Awards and Recognition

#### Research Awards:

- Prof. Dr. A. Palanisamy-served as SRF (Senior Research Fellow) during 1980-1985 awarded by UNDP/FAO/ICAR.
- Dr.M.Shabanabegum and Dr.G.Kanchana received fellowships award in 2012 for their publications.

### Output in Terms of M. Phil, Ph. D. Students

- Many of the faculty members evince keen interest and involvement in active research by conducting research projects, guiding student research and engaging themselves in individual research activity.
- Around twenty five members of the staff belonging to various departments, as listed in table 3.10 given below, have been potentially equipped themselves and are qualified to act as guides to the M. Phil and Ph. D scholars.
- The table 3.10 gives data with regard to the output in terms of M. Phil/Ph. D., students.

**Table 3.10**  
**Names of Guides and the Number of Students Guided**

Department	Name of the Staff	No. of Scholars Under Guidance		No of Scholars Successfully Completed	
		M. Phil	Ph. D	M. Phil	Ph. D
<b>Total</b>		<b>99</b>	<b>14</b>	<b>152</b>	<b>2</b>
Academy of Computer Science	Mrs. V. Vijayadeepa	4	-	7	-
	Mr. H. Lookman Sithic	4	-	4	-
	Mrs. L. Devi	4	-	4	-
	Mrs. L. Gomathi	4	-	4	-
	Mrs. M. Geetha	4	-	4	-
Chemistry	Mrs. N. Sudha	4	-	5	-
	Mrs. P. Sumathi	4	-	-	-
	Mr. R. Pa. Bhoopathy	5	-	4	-
	Dr. N. Nithiya	6	-	2	-
	Mrs. S. Mohanapriya	4	-	-	-
Microbiology	Dr. A. Palanisamy	3	5	26	2
	Dr. S. Anbalagan	3	3	10	-
	Mr. A. K. Saravanan	3	-	-	-



Physics	Mr. M. Muthusamy	5	-	-	-
	Ms. S. Parveenbanu	5	-	-	-
Biochemistry	Dr. G. Kanchana	5	2	17	-
	Dr. M. Shabana Begum	5	4	5	-
Mathematics	Dr. V. Balasubramanian	4	-	5	-
	Mrs. C. Maheswari	4	-	5	-
Biotechnology	Dr. P. Iyappan	4	-	14	-
	Dr. M. Suresh Kumar	4	-	2	-
	Mr.P.Selvamaleeswaran	1	-	-	-
Commerce	Dr. M. N. Periasamy	4	-	15	-
	Dr. R. Ramaabaanu	3	-	9	-
	Mr. Y. Shafee	3	-	10	-

### Research Recognition and Awards Received

- Periyar University, Salem has recognized 8 departments for conducting M. Phil programmes and 4 departments for Ph. D., programmes.
- The following table 3.11 gives details of research departments.

**Table 3.11**  
**Research Departments**

S.No.	Depts. Offering M. Phil	Depts. Offering Ph. D
1	Biochemistry	Biochemistry
2	Biotechnology	Biotechnology
3	Chemistry	Microbiology
4	Commerce	Commerce (Part time)
5	Computer Science	
6	Mathematics	
7	Microbiology	
8	Physics	

### Research Contributions to Industries' Requirements

- The table 3.12 given below indicates the prioritized areas of our research.
- The findings are a contribution to the society/industry.
- Our institution is a member in the Confederation of Indian Industry (CII). The researchers have an opportunity to interact with them which enables them to learn the various problems and challenges faced by the industry and to do research on them.
- We conduct institute-industry-interaction programmes which throw light on problems faced by the industry.

Criterion-III: Research, Consultancy and Extension



Industry Institute Interaction Programme



CII Programme

Table 3.12  
Research Guides and Prioritised Areas

S.No.	Name of the Research Guide	Department	Prioritised Areas	No. of Students Guided		
				2011	2012	2013
<b>Total</b>				<b>50</b>	<b>55</b>	<b>23</b>
1	Dr.M.Sureshkumar	Biotechnology	Molecular Entomology, Applied Biotechnology			2
2	Dr. P. Iyappan	Biotechnology	Microbial Biotechnology	4	2	
3	Dr. G. Kanchana	Biochemistry	Cancer, Diabetes & Liver Toxicity	5	5	
4	Dr. M. Shabana Begum	Biochemistry	Phytochemistry & Pharmacology	5		
5	Dr. A. Palanisamy	Microbiology	Agricultural Microbiology	5	5	
6	Dr. S. Anbalagan	Microbiology	Medical Bacteriology	5	5	
7	Mr. A. K. Saravanan	Microbiology	Agricultural Microbiology		5	
8	Mrs. V. Vijayadeepa	Computer Science	Data Mining	4	4	
9	Mr. H. lookman sithic	Computer Science	Data Mining	4		
10	Mrs. L. Devi	Computer Science	Network Security	4		
11	Mrs. L. Gomathi	Computer Science	Data Mining		5	
12	Mrs. M. Geetha	Computer Science	Data Mining		5	
13	Dr. M. N. Periasamy	Commerce	Accounting and Finance	5	4	
14	Dr. R. Ramaabaanu	Commerce	Marketing and HRD	4	5	
15	Mr. Y. Shafee	Commerce	Finance	5	5	
16	Mrs. N. Sudha	Chemistry	Supramolecular			5

			Chemistry			
17	Mr. R. Pa. Bhoopathy	Chemistry	Co-ordination Chemistry			4
18	Dr. N. Nithiya	Chemistry	Spectroscopy			3
19	Dr.V.Balasuramani	Mathematics	Difference Equations			5
20	Mrs.C.Maheswari	Mathematics	Fuzzy Sets & Fuzzy Logic		5	4

### Details of Research Articles Published

- At present 47 of our faculty have published 210 research articles in which 37 have been published in national journals and 173 in international journals.
- The table 3.7 provides detailed information.
- The table 3.13 given below gives information about the papers published by our students.

**Table 3.13**  
**Details of Papers Published by the Students**

S.No.	Department	Total No. of Publications
<b>Total</b>		<b>50</b>
1	Academy of Computer Science	17
2	Biochemistry	14
3	Commerce	8
4	Microbiology	6
5	Biotechnology	5

### Publication of Research Findings

- Three of our staff members have authored six books. The details are given in table 3.8.

### Lab to Land Programmes

- The table 3.14 gives information about lab to land programmes

**Table 3.14**  
**Lab to Land Programmes**

Date	Programme Conducted	Resource Person
29.08.2012	TNSCST Programme- Computer Awareness for Rural Children in and around Namakkal Dt.	Sr. Mangala Mary Head Mistress/ Sacred Heart School, Rasipuram.
22.06.2012	Creation of Scientific Awareness programme for Students sponsored by TNSCST, Chennai	Thiru. P. Ponniah. CEO, Namakkal District.

Criterion-III: Research, Consultancy and Extension

05.03.2012 & 06.03.2012	Creation of Scientific Awareness programme for Self Help Groups & Farmers sponsored by TNSCST, Chennai	Mr. V. Mohan vijayakumar, Asst. Director of Horticulture, Namagiripet, Namakkal Dt. A. Perumal Asst. Sericulture Dept, Namakkal. Mr. A. Bharathraman, Director, ABC Agro Biocare, Dharmapuri, CBT Staff Members, MCAS, Rasipuram.
11.01.2012	TNSCST Programme - Orientation Programme on Computer Literacy for School Teachers	K.P. Ramaswamy Chairman, Muthayammal Institutions.
16.03.2010	One day Bee Keeping Training Programme	Dr. T. Dhanapal, Senior Scientific Officer, TNSCST, Chennai.
27.11.2009 to 01.12.2009	5 days Training Programme on Apiculture for Weaker Section of Namakkal District Sponsored by DST & Sriparamakalyani College, Alwarkurichi	Dr. A. J. A. Ranjit Singh, Head, Department of Advanced Zoology & Biotechnology, Sri Paramakalyani College, Alwarkurichi Thiru.R. Mahadevan Deputy General Manager Indian Bank, Salem Thiru.V. Mohan Vijayakumar Asst. Director, Dept. of Horticulture, Namagiripet. Thiru.Jeyakumar Nature Honey Thalavaipuram, Rajapalayam.
30.08.2009	Training programme on Mushroom Cultivation	Dr. E.G. Ebenezar Associate Professor Department of Plant Pathology Agricultural College & Research Institute (TNAU) Killikulam, Tirunelveli.
04.09.2008	Environment Awareness Programme for Rural School students	Mr. R. Radhakrishnan, District Forest Office, Namakkal.
22.11.2007 to 24.11.2007	Training Programme on Vermi Compost Production Sponsored By TNSCST, Chennai and NCSTC New Delhi	Dr. G. Vijayalakshmi, Department of Environmental Biotechnology, Manonmaniam Sundaranar University Dr. N. Jeyakumar, M.Sc., Ph. D., Sr. Lecturer & Head Department of Microbiology Kamaraj College, Tuticorin.
29.09.2006 to 31.09.2006	Training Programme on "Mushroom Cultivation" sponsored by TNSCST, Chennai	Dr. E. G. Ebenezar Associate Professor Department of Plant Pathology Agricultural College & Research Institute (TNAU) Killikulam, Tirunelveli.
01.05.06	Young Student Scientist	Dr. P. Iyammperumal, Member

### Criterion-III: Research, Consultancy and Extension

to 30.05.06 & 02.05.07 to 31.05.07	Programme sponsored by TNSCST,Chennai	Secretary, TNSCST,Chennai Dr. N. Jeyakumar, M.Sc., Ph. D., Sr. Lecturer & Head Department of Microbiology Kamaraj College, Tuticorin Dr. L. Kannan, Vice Chancellor, Thiruvalluvar University, Vellore.
01.09.2006	Mushroom Cultivation Technologies	Dr. N. Jeyakumar, Sr. Lecturer & Head, Department of Microbiology, Kamaraj College, Tuticorin.
28.09.2005 to 30.09.2005	Training Programme on “Mushroom Cultivation & Application” sponsored by TNSCST, Chennai	Dr. N. Jeyakumar, M.Sc., Ph. D., Sr. Lecturer & Head Department of Microbiology Kamaraj College, Tuticorin. Dr. E. G. Ebenezar Associate Professor Department of Plant Pathology Agricultural College & Research Institute (TNAU) Killikulam, Tirunelveli.
09.10.2004	Vermiculture Biotechnology	Dr. G. Vijayalakshmi, Department of Environmental Biotechnology, Manonmaniam Sundaranar University.
06.12.2004 to 12.12.2004	In service Training to Secondary Grade Science Teachers in Namakkal Dt. Sponsored by TNSCST,Chennai	Biotechnology Department Staff Members.

### 3.5. Consultancy

#### Expertise Available for Consultancy Services

- Publicity with regard to the expertise available for consultancy services is made through newspapers and flex boards.
- The institution gives publicity about the expertise available for consultancy services to some extent by taking advantage of certain programmes conducted for the welfare of certain groups such as school students, farmers, unemployed youth, self help group (SHG) etc.
- Our students are very helpful in giving wide publicity about the expertise available.



Scientific Awareness Programme to School Students



Scientific Awareness to Self Help Group (SHG)

### Consultancy Services to Government/Non-Government Organizations/Community/ Public

- Recently the Tamilnadu State Government distributed free laptops to Headmasters of higher secondary schools. The faculty of the Department of Computer Science volunteered to provide expertise to handle the laptops.
- During the conduct of educational fairs, our staff members provide consultancy to the visiting students, parents and public.
- Consultancy has already been provided to common man with regard to vermi-composting, bee-keeping, mushroom culture and tissue culture.



Computer Literacy Programme to Government / Non-Government Organizations/Community/ Public Benefits Derived Through Consultancy

Table 3.15 gives detailed information about the resources generated through the consultancy services of the institution.

**Table 3.15**  
**Consultancy Services Rendered**

Year	Purposes	Consultancy Services Rs/-
<b>Total</b>		<b>78300</b>
2014	Project Work- National College, Trichy.	8500
2014	Project work- VMKV Engineering College, Salem	5000
2014	Project work- Arignar Anna Govt Arts College, Namakkal	8000
2014	Project work- Srisarada College for women, Salem	1000
June 2013 onwards	Hardware trouble shooting, installing & other system services to Govt. Schools	Free of cost
2013	Project work- Alagappa University, Karaikudi	700
2013	Project work-Bharathidasan University, Trichy	11000
2013	Project work-Rajah Serfoji Govt College - Thanjavur	10000
2013	Project work- Govt Arts College- Kumbakonam	7500
2013	Project work-A.A Govt Arts College, Namakkal	7500
2013	PCR work	2000
2013	PCR work, Madya Pradesh Technical University	2000
2013	Antibacterial activity, Dept of Chemistry- Govt. arts college, Rasipuram	1600
2012	Project work- Sarada College, Salem	3000
2012	Antibacterial activity- Periyar University, Salem	1000
2012	Antibacterial activity, Government Arts College, Karur	1000
2012	Antibacterial activity, University of Madras (Ph. D., work)	1000
2011	Antibacterial activity, Govt. Arts College, Salem	5000
2011	Project work- MS University, Tirunelveli	1000
2011	Project work-Govt Arts College, Namakkal	800
2011	Project work- Sarada College, Salem	600
2011	Project work- Govt Arts College, Namakkal	100

### 3.6 Extension Activities and Institutional Social Responsibility

#### Promotion of Extension Activities

- The conduct of extension activities is promoted by the institution with the help of volunteers belonging to NSS, YRC, RRC besides teachers and other students.
- All the requirements necessary for extension activities are amply fulfilled by the Management.
- Free transport is arranged by the Management for the participants in the extension activities.
- Expenditure incurred for the purchase of certain materials required for carrying out the extension activities (for ex: kits for blood grouping ,

preparation of flex boards, tailoring materials, teaching kits, identity cards for the school students etc.,) is borne by the Management.

- Our management runs a community college which is greatly involved in various extension activities benefiting hundreds of rural men & women.



Induction Programme at the Community College



Tailoring Class at the Community College

### Need-Based Extension Programmes

- The institution actively involves itself in the need based extension programmes like administration of polio drops to children, conduct of cycle rallies with a view to create awareness about blood donation, eye donation, body donation, HIV, sapling plantation, etc.
- Requests of the public in the nearby locality are amply complied with and student volunteers are deputed to maintain law and order, distribute food, regulate the traffic etc., during festivals.
- The students of the department of Hotel Management and Catering Science, on request from star hotels, associations/clubs, render outdoor catering service.



Awareness Programmes



**Participation of Students and Faculty in Extension Programmes**

- Extension programmes are carried out by the student community monitored by staff members.
- Staff members serve as role models by indulging themselves fully in all the extension activities.
- YRC, RRC and NSS volunteers organized medical camps for the benefit of the poor masses of the neighbouring villages. Blood groups of the villagers were identified at a medical camp in a village.
- The institution tops the list among the Blood Donors and has received a word of appreciation from the Salem District Collector during the year 2010.
- Body Mass Index (BMI) of a good number of school students was determined. Based on the BMI, the students were given necessary counseling.

Table 3.16 given below displays the activities of YRC & RRC.

**Table 3.16  
YRC & RRC Activities**

S.No.	Particulars	No. of Camps/ Rallies	No of Participants/ Beneficiaries
1	Blood grouping for various higher secondary school students	15	5833
2	Blood grouping for various college students	7	5000
3	Medical camp (Eye screening camp)	6	4125
4	Awareness programme / rally	9	2700
5	Blood donations (Camp-13 & Emergency-22)	35	931
6	National Voluntary Blood Donation Day	1	350
7	Awareness Programme on Stress Leading To Hypertension	1	180
8	Awareness Programme on Diabetes Mellitus & It's Complication	1	350
9	Awareness Programme on AIDS & STD	1	350
10	Preparation and distribution of identity cards to school students	1	600
11	Others (Orientation Programmes, First Aid and Disaster Management & ICTC visit)	9	128



**Blood Donation**

### **NSS Activities**

- The six units of NSS (600 volunteers) in the institution involve themselves in the need-cum-community based services like road-laying, sapling planting, cleaning of school, hospital, temple campuses, and in adult education programmes.
- NSS volunteers help the health department in polio drops administration, conducting awareness programmes about HIV, blood donation, body donation, etc.
- They undertake campaigns against the use of tobacco, liquor and polythene covers and to create a greener environment.
- NSS volunteers engage themselves in organizing awareness programmes or rallies on the following:
  - AIDS awareness
  - Polio drops administration
  - Dengue fever
  - Necessity of wearing helmets
  - Significance of blood donation, eye donation & body donation
  - Voters awareness
  - Traffic rules
  - First-aid awareness,
  - General medical camp
  - Disability management
  - Old age home caring
  - Guidance & Supporting the public during functions, etc.



Voters Awareness



Medical camp

- The institution lays special emphasis on maintaining and creating a green environment. With the help of the students, especially the NSS volunteers, saplings have been planted in our college campus and in neighboring villages.
- Management helps the volunteers by providing free transport from the college to the places of work and vice-versa.
- The Management is very keen that NSS should carry out all its duties with service mind and a sense of patriotism. On its part, it extends its fullest co-operation by fulfilling all their requirements.

#### Awards and Recognitions for Extension Activities

- We have received awards and rewards in appreciation of our activities from public organizations.
- A few are mentioned below in the Table 3.17.

**Table 3.17**  
**Awards for Extension Activities**

Date	Activities	Certificates Issued by
17.08.2013	Best YRC Volunteer 2012-13 award bagged by our student Venkatesh D	India Red Cross Society, Tamil Nadu
26.02.2011	Blood donation	Rotary Club of Rasipuram
10.10.2010	Blood donation to Govt. Hospital	Mr. Chandra Kumar, District Collector, Salem
2009-2010	Exemplary support for the programme	Rotary Club of Rasipuram
06.11.2009	Blood donation by 5 students	Mr. U. Sahayam, District Collector, Namakkal
04.10.2005	First Aid Training to students	Governor of Tamil Nadu

#### The Impact of Extension Activities

- The extension activities of the students entail a great appreciation from the rural public. This is a proof to show that the extension activities have had greater impact on the rural masses.

- The Principal assisted by IQAC makes a review of all the extension activities. This evaluation enables them to design the future plans by way of upgrading.

### Tracking of Student's Involvement in Social Movements

- The institution takes efforts to track the students to find out whether they engage themselves in social movements to serve the community.
- Some of the students visited an orphanage at Rasipuram and fed them with nutritious meals.
- Some of the students run a social movement on their own accord called "Samudhaya Marumalarchi Organization" through which they render a great service to the rural masses.



Social Service by Samudhaya Marumalarchi Organization

### Institutional Social Responsibilities

- The vision of our college underlines the fact that it is cognizant of its institutional social responsibilities.
- The vision of MCAS is "to redefine the scope of higher education by infusing into each of our pursuits, initiatives that will encourage intellectual, emotional, social, and spiritual growth, thereby nurturing a generation of committed, knowledgeable and socially responsible citizens".
- Both the students and the staff are made aware of the institutional and social responsibilities through various means like banners, flex boards, newsletters, reports, news papers, websites, etc.,

### 3.7 Collaborations

#### Exchange Programmes and Placements

- We have created linkages for various activities such as student placement.
- The table 3.18 mentions the names of companies of our linkage:

**Table 3.18**  
**Details of Our Linkage**

S.No.	Period	Company	Total No.of Students
<b>Total</b>			<b>2656</b>
1	18.09.2013 & 19.09.2013	Impact, Coimbatore	1430
2	05.08.2013 to 08.08.2013	Bllue Lotus, Chennai	160
3	18.06.2013 to till date	In house training	300
4	28.09.2013 to till date	Lider Company, Chennai	420
5	16.06.2012 to 25.06.2012	Skill genie, Chennai	124
6	09.07.2011 to 02.10.2011	Skill genie, Chennai	171
7	26.12.2010 to 13.02.11	Sevensh, Chennai	51

#### Benefits of Linkages

- We have reached an understanding and signed MOU with reputed institutions like e-Logic, Multimedia, Access Point, BSNL, Fashion Arts, Tally India (P) Ltd., Bangalore and ICWAI.
- External subject experts and specialist trainers are invited to deliver guest lectures.
- The institution has linkages with Companies like katsi Pvt. Ltd, Chennai, Muthoot Fincorp, Salem, GVK Emergency Management, Chennai, W.T.T. Technology service India Pvt. Ltd, Tirupur, etc., for recruitment.
- MNCs like TCS and Wipro have been recruiting our students during the past three years.
- These linkages benefit the students/staff in enriching the curriculum, getting a number of placements and promoting research and in publication.

**Table 3.19**  
**Particulars of MOUs Signed**

Year	Company Details	No. of Students Participated	Benefits for the Students by Signing MOU
Oct 2013	Ccube Technologies, Coimbatore	570	Tally Course, ASP.Net with c#, Mobile phone servicing, Diploma in Animation & VFX
April 2013	Net Logic Information technology	73	Server + Android Application developer
Nov 2012	e-Logic Multimedia, Salem	86	Photography Designer
Oct 2012	Access point, Salem	186	Computer Hardware Computer Networks Advanced Internet Web Design
Mar 2012	BSNL, Chennai	247	Training Programme with BSNL Topics – Wireless Technology

### Criterion-III: Research, Consultancy and Extension

Nov 2011	Institute of Cost & Works Accountants of India, Salem	350	To know the cost Management and Applying effective cost control techniques
July 2008	Tally India (p) Ltd., Bangalore	375	To know the Accounting package



MOU with BSNL



MOU with Access Point

#### Institute-Industry-Interaction Programmes

- The table 3.20 gives information about the Institute-Industry Interaction programmes.

**Table 3.20**  
**Institute-Industry-Interaction Programmes**

S. No	Date	Topic	Venue
1	27.06.2014	We signed MOU with UTL technologies, Bangalore,	MCAS, Conference Hall
2	14.03.2014	Awareness session on <i>HEPATITIS</i>	MCAS Conference Hall
3	19.02.2014	CII Annual Day Celebration	Hotel Park Plaza, Salem
4	03.02.2014	Illamai Express Kodai FM 100.05 Kodaikanal	MCAS, Rasipuram
5	26.01.2014	Women Empowerment	Sona College of Technology, Salem
6	24.12.2013	Awareness Session on Diabetes and its Complications	MCAS Conference Hall
7	21.12.2013	Higher Education Conclave - "Enhancing Curriculum Effectiveness for 21st Century"	Hotel Club Melange Erode
8	30.11.2013	National Higher Education Conclave 2013	Hotel Le Meridian Coimbatore
9	29.11.2013	National higher education conclave 2013	Hotel Le Meridian Coimbatore
10	31.10.2013	Hypertension leads to stress	Conference Hall, MCAS
11	30.10.2013	Harmony in Working Environment	Knowledge Institute of Technology

Criterion-III: Research, Consultancy and Extension

			Kakkapalayam
12	01.10.2013	National voluntary Blood Donation Day	Conference Hall, MCAS
13	27.09.2013 & 28.09.2013	National summit on quality in Education	Christ University, Bangalore
14	24.09.2013 & 25.09.2013	Two day conference & exhibition on” Towards scaling new frontiers in ICT”	Chennai trade centre, Chennai
15	24.09.2013	Third meeting of the Salem district council	CII Office, Salem
16	14.08.2013	Session on Cyber Security for Corporates & Colleges	Hotel Park Plaza, Salem
17	27.07.2013	Workshop on New Faculty Induction Programme	Hotel Chimney, Erode
18	13.07.2013	Workshop on Faculty Development	CII, Salem District
19	26.06.2013	Second meeting of the Salem district Council	CII Office, Salem
20	07.06.2013	Value Added Tax/Income Tax/Excise Duty	Hotel Ganesh Mahal, Salem
21	24.05.2013	First meeting of the Salem district Council	Hotel Park Plaza, Omalur Main Road Salem
22	15.03. 2013	Star Trek	Sona College Technology, Salem
23	02.03. 2013	Latest Trends in Sago & Starch Industry -	Hotel Park Plaza, Salem
24	02.02. 2013	MSME Meet 2013	Hotel Club Malenge, Erode
25	31.01. 2013	How to become a successful CEO	Hotel Club Malenge, Erode
26	24.01. 2013	Customer Service	Hotel Ganesh Mahal
27	21.12. 2012	MSME Conference Enhance the potential of Central Tamil nadu	Hotel Sangam, Trichy
28	15.12. 2012	Marching Towards Excellence in HR- 2012	Hotel Club Malenge, Erode
29	15.12. 2012	Higher Education Conclave	Hotel Salem Castle, Salem
30	09.12.2012	Excellence in higher Education-The TQM way	Salem
31	02.11. 2012 & 03.11. 2012	National Quality Summit 2012	Vivanta by Taj Bangalore
32	31.10. 2012	Managerial Skills Excellence	Hotel Ganesh Mahal Salem
33	10.10. 2012	Recent Trends in business strategy	Hotel Club Melange, Erode
34	11.09. 2012	Third Meeting of Salem district council & Interaction with Shri. K. Maharabhushanam District Collector, Salem	Hotel Salem Castle, Salem
35	14.08. 2012	CEO’s Session with Mr. S.Sridharan, MD, Take solution ltd.	Knowledge Institute of technology, Salem
36	21.06.2012	Second Meeting of the Salem District	Hotel Cenneys Gateway

### Criterion-III: Research, Consultancy and Extension

		Council	Salem
37	08.05.2012	How to improve productivity & Reduce Cost through KK Methodology of TPM	Hotel Shevaroy's, Salem
38	25.04.2012	Mission on Manufacturing Excellence & Environment, Health & safety to Titan Industries Ltd & Harita Seating System Ltd (TVS Group)	Hosur
<b>CII Programmes</b>			
1	20.06.2014 & 21.06.2014	Medical Expo 2014 organized by CII	Salem
2	31.12.2013	Fourth Meeting of the Salem District Council	CII Office Salem
3	03.09.2013	CII SR Education Excellence Forum 2013 Road Show	CII Office, Salem
4	29.05.2013	CII Members Meet & Opening of New Branch office of CII@salem	Hotel Park Plaza, Omalur Main Road, Salem
5	19.04.2013	CII Industry-Institute Connect- Online Conference	CII Office, Chennai
6	01.03.2013	CII Annual Day	Hotel Park Plaza, Salem
7	14.12.2012	CII Business Leaders Meet	Hotel Residency Coimbatore
8	12.04.2012	CII Salem Chapter 2012- 2013 First Meeting	Hotel Cenneys Gateway Salem

#### Faculty Exchange and Professional Development

- Faculty development programmes are often conducted. More details are provided in Table 2.7.

#### Research

- The institution has a research collaboration with Annamalai University, Chidambaram.



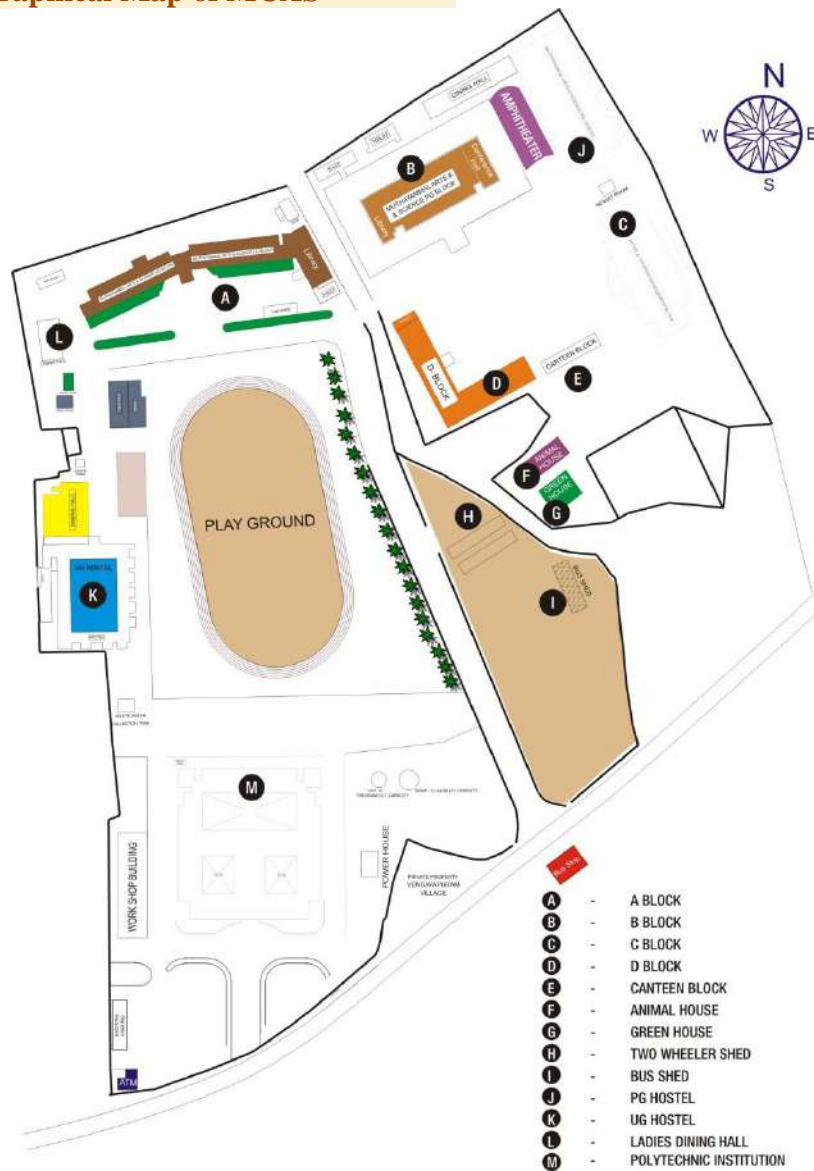
# Criterion-IV

Infrastructure and Learning Resources

**CRITERION-IV: INFRASTRUCTURE AND LEARNING RESOURCES**

Our Management is committed to provide a high quality education in the campus with an excellent state-of-the-art infrastructure providing spacious class rooms, laboratories, play fields and administration block. Our library is equipped with a number of journals, books, learning materials and technology-oriented mechanisms to equip the students with knowledge and skills. The Management adopts strategies for adequate technology deployment and maintenance. ICTs have been deployed for a wider range of activities. The institution possesses sufficient resources and adopts effective mechanism to upkeep and promote the use of infrastructure.

**Topographical Map of MCAS**



#### 4.1. Physical Facilities

##### Facilities for Teaching-Learning

- The institution has an adequate infrastructure conducive for best teaching-learning process.
- The infrastructure includes 89 classrooms, 24 laboratories, 4 libraries, one communication laboratory, 2 conference halls, one seminar hall, one animal house, one green house, a vast play ground, a spacious modern canteen, hostels etc., besides office and administrative block.
- Classrooms are well furnished with all necessary accessories, and are ventilated and illuminated.
- Details of the infrastructure are furnished in the tables from 4.1 to 4.5:

**Table 4.1**  
**Location of Audio Visual Halls**

S.No.	Block	Hall No
1	A-Block	A-003
2	B-Block	B-015
3	D-Block	D-205

Complete details of the academic infrastructure of the college are shown in the Table 4.2:

**Table 4.2**  
**Academic Infrastructure of the College**

S.No.	Particulars	Total (Nos.)
1	Class Rooms	89
2	Buses	46
3	Other Labs	16
4	LCDs with Screen	8
5	Computer Labs	7
6	Other Vehicles	5
7	Libraries	4
8	Communication Lab	1
9	Small size Conference hall	1
10	Big size Conference hall	1
11	Seminar hall	1
12	Animal House	1
13	Green House	1
14	Exam cell	1
15	Admission cell	1
16	IQAC	1
17	Placement cell	1

**Table 4.3**  
**Details of Systems Available in Various Departments / Places**

S.No.	Block	Location	Total No. of	
			Systems	Servers
<b>Total</b>			<b>545</b>	<b>3</b>
1	A-Block	Lab-III (Language Lab)	60	1
2		Lab-I	55	
3		Lab-II	55	
4		Office	10	1
5		IQAC	5	
6		Commerce Dept.	3	
7		Exam Cell	3	
8		Microbiology Dept.	2	
9		Biochemistry Dept.	2	
10		UG CS Dept.	1	
11		System Admin	1	
12		HM & CS	1	
13		Secretary's Chamber	1	
14		Chairman's Chamber	1	
15		Principal's Chamber	1	
16		TFD Dept.	1	
17		Tamil Dept.	1	
18		Statistics Dept.	1	
19		Library	1	
20		Physical Education	1	
21		AV Hall	1	
22	B-Block	Lab-VI	60	
23		Lab-VII	60	
24		Lab-V	58	1
25		Lab-IV	57	
26		Lab-VIII	32	
27		Chemistry Dept.	2	
28		Biotechnology Dept.	2	
29		BBA Dept.	2	
30		BCA Dept.	1	
31		ACS Head	1	
32		PG CS Dept.	1	
33		MCA Library	1	
34		Conference Hall	1	
35		AV Hall	1	
36		NSS	1	
37		Placement Cell	1	
38		Alumni Cell	1	
39		D-Block	Electronics Lab	30
40	Physics Dept.		2	
41	English Dept.		3	
42	Maths Dept.		3	
43	Electronics Dept.		1	
44	AV Hall		1	
45	Hostel	Ladies Hostel	15	
46		Hostel Office	1	

**Table 4.4**  
**Details of Class Rooms (Block-Wise)**

S.No.	Block	Size of the Class Rooms(ft)	Number of Class Rooms
1	A-Block	22x26	15
		26x41	2
		33x26	3
2	B-Block	33x26	6
		22x26	2
		20x22	13
		29x22	1
		30x22	2
		22x26	9
		33x26	4
		40x22	1
		31x26	1
3	D-Block	33x22	1
		22x22	1
		22x26	17
		22x26	5
		33x26	2
		33x26	4

Apart from the class rooms, the following laboratories are located in various blocks as shown below:

**Table 4.5**  
**Details of the Laboratories (Block-Wise)**

S.No.	Block	Name of the Laboratory	Size lxb(in feet)
1	A-Block	HMCS	55x26
		UG Microbiology	44x26
		PG Microbiology	88x26
		TFD	63x26
		Biochemistry instrument lab	18x19
		Biochemistry	66x26
		Computer lab I&II	77x26
Language lab-III (Language Lab)	44x26		
2	B-Block	Biotechnology Lab	100 x 22
		Biotechnology Lab	33 x 26
		Biotechnology Lab	66 x 26
		Chemistry Lab III	33 x 26
		Chemistry Lab I	44 x 26
		Chemistry Lab II	45 x 26
		Computer Lab-IV & V	78 x 22
		Computer Lab-VI	45 x 26
		Computer Lab-VII	44 x 26
Computer Lab-VIII	22 x 26		
3	D-Block	Physics Lab I	44x26
		Physics Lab II	44x26
		E.C.E lab	44x26
		E&C Microprocessor lab	44x26

### Laboratory Facilities and Practices

- There are 24 well-equipped laboratories in total.
- The laboratories are fully equipped with all the necessary equipments, apparatuses, chemicals, glassware and miscellaneous accessories.
- Hands-on experiments are compulsory for the students to acquire good practical skills. Laboratories of Biotechnology and Chemistry deserve a special mention because they have been appreciated by visiting scientists, professors, authorities etc.
- Fire-extinguishers are fixed in each laboratory.
- First aid boxes are kept ready in each laboratory.
- All the students and staff follow good laboratory practices.
- Necessary instruction and warning are given to students with regard to the use of acids, poisonous chemicals etc.
- Both the staff and the students are required to put on over-coats while working in the laboratories.
- Table 4.5 provides information regarding the size of the laboratories.

### Facilities for Computer Education

- There are seven computer laboratories in the institution.
- The number of systems available is 548 including three servers.
- The computer student ratio is 1:8.
- In addition to the students pursuing computer education, all the other students have also been offered training in basic computer skills.
- Table 4.3 provides details about the availability of systems department-wise.

### Augmentation of Infrastructure

- Taking into consideration the steady increase in the strength of the students, the management makes every effort to augment the infrastructural facilities from time to time.
- The tables 4.6 and 4.7 furnish elaborate information on this aspect.

**Table 4.6**  
**Facilities Added to the Infrastructure (Rs. in Lakhs)**

S. No	Particulars	Prior to 2010	Grand Total	2010-2011		2011-2012		2012-2013		2013-2014	
				Nos.	Amount	Nos.	Amount	Nos.	Amount	Nos.	Amount
1	Students Enrolled			837		1181		1229		1818	

## Criterion-IV: Infrastructure and Learning Resources

2	Transport (No. of buses)	30	233.85	8	124.50	6	90.74	2	18.61	0	0
3	Bus Route			28	--	41	--	50	--	58	---
4	Computer & Hardware's	413	38.63	14	13.65	60	12.09	30	5.60	31	7.29
5	Internet Bandwidth (MBPS)		6.51	1	1.18	2	1.09	3	1.68	8	2.56

**Table 4.7**  
**Details of Extension and New Infrastructure**

S. No	Name of the Building	2011-12
		Amount (Rs. in Lakhs)
<b>Total</b>		<b>321.58</b>
1	Animal House -1No.	25.00
2	Green House -1No.	12.00
3	New Canteen (1636.61 sq.mt)	190.00
4	Amphi Theatre (seating capacity 1000)	25.05
5	Building Compound Wall & Fence	3.48
6	Sewage Treatment Plant (STP)- 50,000 lpd.	21.00
7	A Block Toilet - Extension	23.05
8	B Block Toilet - Extension	22.00



Front View of Canteen



Inner View of Conference Hall (A/C)

### Optimum Utilization of Facilities

- The infrastructure of the college comprises 89 class rooms, 24 laboratories, 3 conference halls, 4 libraries, a modern canteen, office and administrative block and playground.
- The infrastructure optimally caters to the needs of 4376 students studying in 16 UG, 15 PG and 8 research departments conducting M. Phil/Ph. D., programmes.
- The team of staff includes 209 teachers and 84 non-teaching staff members.

- In addition to the conduct of the regular classes, the class rooms are utilized to conduct programmes on value addition, career guidance, and extracurricular activities etc.
- During holidays, extra coaching classes and special classes for slow learners and personality development programmes are conducted.
- The infrastructure of the college is utilized to conduct state/national level seminars/training programmes and workshops either on working days or on holidays.
- TNPSC examinations have been conducted in the college campus.
- On request, higher government authorities are allowed to conduct meetings.

**Additional Facilities for Sports and Extra-Curricular Activities**

The Table 4.8 given below provides necessary information regarding sports and extra-curricular activities.

**Table 4.8  
Facilities of Sports and Extra-Curricular Activities**

S.No.	Particulars	Total
1	<b>Indoor Games area</b> (164.30 sq.mt) <ul style="list-style-type: none"> <li>▪ Table Tennis</li> <li>▪ Carrom boards</li> <li>▪ Chess boards</li> </ul>	4 10 20
2	<b>Outdoor Games</b> <ul style="list-style-type: none"> <li>▪ Foot Ball field</li> <li>▪ Kho-Kho field</li> <li>▪ Badminton court</li> <li>▪ Volley ball court</li> <li>▪ Handball court</li> <li>▪ Kabaddi court</li> <li>▪ Hockey court</li> <li>▪ 200mts track</li> </ul>	1 in each
3	Sports Ground (16958.40 sq.mt)	1
4	No. of Gym (92.00 sq.mt) <ul style="list-style-type: none"> <li>▪ Parallel bar</li> <li>▪ Weight lifting room</li> </ul>	1
5	National Service Scheme (NSS )units	6
6	No. of Yoga hall (155.00 sq.mt)	1
7	Youth Red Cross (YRC)	1
8	Red Ribbon Club (RRC)	1





Fleet of Buses



Play Ground

### Health Services for Students and Staff

- All the students, staff and parents of the wards are covered under the group insurance scheme.
- In case of accidents, insurance coverage up to Rs.25,000/-can be claimed by the injured.
- If any fatal accident occurs, a sum of Rs.1,50,000/- (Rupees one lakh and fifty thousand only) is paid to the family of the deceased.
- First aid boxes have been fixed at various places in the campus and in the buses.
- When students fall ill at the college, the Dean-Student Affairs takes suitable steps to provide initial treatment at the local hospital or in serious cases, at specialty hospitals at Salem and the parents are immediately informed.
- College offers transport service to take the ailing students to the hospitals.
- In case of hostel inmates, the hostel supervisor will arrange for medical treatment. A van and a driver are at the disposal of the supervisors/ wardens for emergency.
- Local doctors visit the campus on request.
- Our college campus is maintained as a tobacco-free zone.
- Purified water and hot water are made available to students.
- Hygienically prepared food stuffs are supplied at the college canteen and hostels.

### Facilities for Physically Challenged

- There is an exclusive cell for the physically challenged.
- It organizes motivation programmes, offers counseling, provides certain accessories etc.
- Physically challenged students are given priority in matters of admission.
- They enjoy fee concessions.
- IQAC ensures the provision of class rooms for the physically challenged students in the ground floor.

- The buses extend their services to drop them at the nearest possible point to the class rooms and vice-versa.
- Spontaneous help is freely available to them from their classmates and teachers.
- They can borrow, return or renew books through their friends.
- Concession of time extension is given for returning the books.
- A wheel chair is at the disposal of the physically challenged.



### Motivation Programme for Physically Challenged

## 4.2. Library as a Learning Resource

### Library Facilities

- Number of books available in general library - 17537 (worth about Rs 51.90 lakhs).
- Number of books available in MCA library - 6225 (worth about Rs 16.31 lakhs).
- Total seating capacity- 80 persons (10 reading tables).
- IT zone for accessing e-resources (CDs, DVDs and online).
- Total number of computers with internet access especially for inflibnet- 30.
- Reprography.

### Annual Additions to Library Resources

- The books are bought on a well-defined process every year.
- Based on the department-wise academic requirement of books, books have been procured and added to the existing collection in the library.
- Tables 4.9 & 4.10 provide details of books, journals and e- resources purchased.

**Table 4.9**  
**Details of Text Books, Journals etc., Purchased (Rs. in Lakhs)**

Library Holdings	Grand Total (Rs. in Lakhs)	2010-11		2011-12		2012-13		2013-14		2014-15	
		Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	<b>7.56</b>	635	1.95	32	0.12	1110	3.32	610	2.13	14	0.046
Reference Books	<b>1.43</b>	150	0.58	12	0.53					1	0.32
Journals/ Periodicals	<b>3.98</b>	60	0.72	60	0.72	60	0.68	69	0.93	69	0.93
e-resources IEEE, Inflibnet	<b>1.72</b>	12	0.29	12	0.29	12 e- journals 3100 e-journals & 75000 e-Books	0.38	12 e- journals 3100 e- journals & 75000 e-Books	0.38	12 e- journals 3100 e- journals & 7500 E books	0.38

**Information Regarding Library Resources**

**Table 4.10**  
**Details of Books Purchased (Rs. in Lakhs)**

S. No.	Academic year	Total price (Rs.in lakhs)	Books purchased details (Rs. in lakhs)		Periodicals purchased details (Rs. in lakhs)	
			Central Library	MCA Library	Central Library	MCA Library
<b>Grand Total</b>		<b>20.15</b>	<b>11.58</b>		<b>8.57</b>	
<b>Total</b>		<b>20.15</b>	<b>5.36</b>	<b>6.22</b>	<b>5.90</b>	<b>2.67</b>
1	2008-2009	4.07	0.13	2.83	0.89	0.22
2	2009-2010	4.24	2.53	0.48	0.92	0.31
3	2010-2011	2.45	0.56	0.64	0.85	0.4
4	2011-2012	3.40	0.77	1.31	0.94	0.38
5	2012-2013	1.23	0.04	0.17	0.62	0.40
6	2013-2014	3.44	1.33	0.79	0.84	0.48
7	2014-2015 (upto June.2014)	1.32			0.84	0.48

**Library Operations**

- Working hours 9 am-6 pm (on all working days) .
- Number of library cards issued to UG students -2 each.
- Number of library cards issued to PG students-3 each.
- Number of library cards issued to M.Phil & Ph.D students -3 each.

## Criterion-IV: Infrastructure and Learning Resources

- Operation is effective and user friendly.
- Electronic resource management packages for e-journals (IEEE society and inflibnet consortium) are available.
- Federated searching tool is available to search article in multiple databases
  - By title
  - By author
  - By keyword
- Remote access facility is available to access all e-publications.
- Activities related to library automation are in progress.
- Total number of computers for public access = 30
- Average number of books issued and returned = 125 per day
- Ratio of library books to students enrolled = 5:1
- Average of books added during the last 3 years = 1514 books per year.
- Average of books added during the last year (2013- 14) = 610 books

### Library Advisory Committee

The library has an advisory committee comprising a convener and three members. Their suggestions listed below have been implemented.

- To display the names of the highest user among the students and the staff in the library notice board.
- Introduction of a facility for book referrals.
- Establishment of a forum for book reviews and comments.
- As a result of the initiation and the effort taken by IQAC and the library committee, an award for the best library user among the students has been instituted.

### Feedback for Enhanced Library Function

- Formal feedback is collected from the users.
- Additionally, the staff come out with need based suggestions and recommendations.
- Possible suggestions are implemented.
- Automation of feedback system is in progress.

### Computerization and Network with Other Libraries

- The institution has network with IEEE society & inflibnet consortium.

### 4.3. IT Infrastructure

#### Upgradation of IT Facility

The institution has adequate IT facilities and periodically strengthens its IT and latest computing facilities. The institutional plans and strategies for deploying and upgrading the IT infrastructure are as follows:

- To connect all staff rooms with intranet, Intercom, Webcam, Info centre at all locations.
- To provide high speed and reliable network to every block using OFC.
- To provide high speed UTP network to achieve high productivity.
- To make the campus a unique hi-tech digital campus.
- To promote Video and Audio Communication.
- To monitor the active physical security of the campus.
- The tables from 4.11 to 4.15 provide details of IT facilities available in the college:

**Table 4.11**  
**Details of Computers with Configurations**

S.No.	System-Description	Qty
<b>Total</b>		<b>548</b>
1	Wipro C2D/ 1.86 GHz/ 1 GB DDR2/ 80 GB HDD/ Keyboard/ Mouse/ 17" TFT Monitor	80
2	Wipro C2D/ 2.66 GHz/ 1GB DDR2/ 160 GB SATA HDD/ Keyboard/ Mouse/ 18.5" TFT Monitor	72
3	Wipro C2D/ E7500/ 2.93 GHz/ 1 GB DDR2/ 160 GB HDD/ Keyboard/ Mouse/ 18.5" TFT Monitor	64
4	Wipro C2D/ 2.33 GHz/ 1 GB DDR2/ 160 GB HDD/ Keyboard/ Mouse/ 17" TFT Monitor	60
5	Wipro Evolve/ C2D/ 2.93 GHz/ 1 GB DDR3/ 320 GB HDD/ Keyboard/ Mouse/ 19" TFT Monitor	60
6	Wipro Pen-D 2.8 GHz/ 2 x 256 MB DDR2/ 80 GB HDD/ Keyboard/ Mouse/ 15" TFT Monitor	50
7	Wipro P4/ 3.0 GHz/ 512 DDR2/ 80 GB HDD/ Keyboard/ Mouse/ 17" CRT Monitor	45
8	Wipro P4/ 2.4 GHz/ 256 MB DDR/ 40 GB HDD/ Mouse/ Keyboard/ 17" CRT Monitor	30
9	Wipro I Value/ Dual Core 5700/ 2 GB DDR3/ 320 GB HDD/ Keyboard/ Mouse/ 18.5" TFT Monitor	30
10	Wipro Desktop C i3 2105/ 2 GB DDR3/ 320 GB HDD/ Keyboard/ Mouse/ 18.5" LED TFT	30
11	Dell Optiplex 360 N/ 2 GB RAM/ 160 GB HDD/ Keyboard/ Mouse/ 18.5" TFT Monitor	10

Criterion-IV: Infrastructure and Learning Resources

12	HP C2D/ 1.86 GHz/ 1 GB DDR2/ 80 GB HDD/ Keyboard/ Mouse/ 17" TFT Monitor	6
13	Wipro P4/ 2.4 GHz/ 256 MB RAM/ 40 GB HDD/ Keyboard/ Mouse/ 17" CRT Monitor	2
14	Wipro Single Xeon DP/ 2.8 GHz/ 2 x 512 MB DDR/ Mouse/ Keyboard/ 17" CRT Monitor (Server)	1
15	Wipro 2 x Intel DP Xeon/ 2.8 GHz/ 2 x 512 MB DDR/ Mouse/ Keyboard/ 17" CRT Monitor (Server)	1
16	Wipro P4/ 2.4 GHz/ 256 MB RAM/ 40 GB HDD/ Keyboard/ Mouse/ 15" CRT Monitor	1
17	Wipro P4/ 2.4 GHz/ 256 MB RAM/ 80 GB HDD/ Keyboard/ Mouse/ 15" CRT Monitor	1
18	IBM x 226 Xeon 3.0 GHz/ 1 GB DDR/ 73 GB SCSI HDD/ Keyboard/ Mouse/ 15" CRT Monitor (Server)	1
19	Wipro Dual Core/ 1.8 GHz/ 1 GB DDR2/ 160 GB HDD/ Keyboard/ Mouse/ 15" CRT Monitor	1
20	Wipro C2D/ E7500/ 2.93 GHz/ 2x2 GB DDR2/ 500 GB HDD/ Keyboard/ Mouse/ 18.5" TFT Monitor	1
21	Dell Inspiron Laptop/ C i3/ 3 GB RAM/320 GB HDD	1
22	Wipro Laptop C i3/ 4 GB RAM/ 500 GB HDD/ DVD/ 14" Screen	1

**Table 4.12**  
**Details of Projectors**

S.No.	Description	Qty
<b>Total</b>		<b>8</b>
1	Infocus X-Series Projector	2
2	BenQ Projector MX520	2
3	Infocus LCD Projector	1
4	Hitachi Projector CP-X3010	1
5	Hitachi Projector CP - RX78	1
6	BenQ Projector MX514P	1

**Table4.13**  
**Details of Peripherals**

S.No.	Description	Qty
<b>Total</b>		<b>90</b>
1	Logitech Headphone	60
2	LG DVD Writer	12
3	Logitech Web Camera	6

4	HP 2410 Scanner	3
5	Transcend External Hard Disk	2
6	HP 3110 Scanner	1
7	Handy Air Blower	1
8	Lan Tester	1
9	Seagate External Hard Disk 1 TB	1
10	Seagate External Hard Disk 500 GB	1
11	Samsung Tablet SM-T311	1
12	Samsung 2 TB External Hard Disk	1

**Table 4.14**  
**Details of Networking Equipments**

S.No.	Description	Qty
<b>Total</b>		<b>36</b>
1	Netgear 24 Port Switch	13
2	Air Grid 5 Ghz Out Door CPE (Intranet wireless device)	6
3	Netgear 8 Port Switch	5
4	Dax 24 Port Switch	4
5	Digisol 24 Port Switch	3
6	Dax 16 Port Switch	3
7	TP Link 8 Port Switch	1
8	Wireless Router	1

#### LAN Facility

- All computers are connected with UTP network within each block and every block is linked with wireless intranet devices.

#### Licensed Software

**Table 4.15**  
**Details of Licensed Software**

S.No.	Description
1	Foxpro 2.6 for DOS
2	Turbo C++ for DOS
3	Sco Unix
4	Visual Studio
5	Power Builder
6	Personal Oracle

7	Windows NT Server
8	Softek Fortran 77 for DOS
9	Softek C Basic
10	Softek C Cobol
11	MS-Office 97 Pro
12	Novell Netware 5.0
13	Turbo Pascal
14	Tally ERP 9 Gold
15	Hi Class Software
16	K7 Antivirus

<b>Total No. of Computers with Internet</b>	<b>: 225</b>
Computers with Internet Connections in Computer Labs	: 120
Computers with Internet Connections in Research Labs	: 60
Computers with Internet Connections in Departments	: 20
Computers with Internet Connections in Administrative Office	: 10
Computers with Internet Connections in Ladies Hostel	: 15

#### Preparation of Computer Aided Teaching-Learning Material

- All the teachers are encouraged to adopt the latest technology for preparing teaching-learning materials with the use of computers.
- To achieve this objective, the requisite facilities mentioned below are provided to the faculty:
  - e-Notes
  - Faculty Blog
  - LCD hall
  - Language Lab (with 60 seats)
  - Net Lab-Inflibnet
  - Internet connection to all departments
  - Online resource tools in the MCAS website
- The individual skill gaps and IT training needs of the faculty have been identified by a comprehensive survey and the faculty have been sufficiently trained.
- The staff have been elaborated on “The Resourceful Websites” which they can use as an effective teaching aid to enrich the teaching learning process.
- The details of the ICT programmes for the departments are displayed in the Table 2.4.



- “Gyandharshan”, a UGC programme has been subscribed to by the institution. Students have been advised to watch these programmes live and sometimes recorded programmes are relayed to get themselves illumined with up-dated sources of intelligence.
- The institution takes relentless efforts to establish “EDUSAT”.

#### Connection with the National Knowledge Network

- N-LIST (National Library and Information Services Infrastructure for Scholarly Content) programme has been implemented under the guidance of Periyar University.
- It is an initiative of the Ministry of Human Resource Development (MHRD) under National Mission on Education through ICT.
- The N-LIST project provides access to e-resources to the students and faculty through server installed at the INFLIBNET centre.
- The authorized users can access e-resources and download articles required by them directly from the publisher’s website.

#### Budget Provision for Purchase, Upgrading and Maintenance of Computers

- Budgetary provision is made every year for procurement, up-gradation, deployment and maintenance of the computers and their accessories.
- The table 4.16 gives data regarding the expenditure incurred:

**Table 4.16**  
**Details of Provision Made in the Annual Budget for Procurement, Upgradation, Deployment and Maintenance of the Computers and their Accessories**

Particulars	Total Amount (Rs. In lakhs)	2010-2011 (Rs.in lakhs)	2011-2012 (Rs.in lakhs)	2012-2013 (Rs.in lakhs)	2013-2014 (Rs.in lakhs)
<b>Total amount (Rs. in lakhs)</b>	<b>64.1</b>	<b>20.83</b>	<b>20.94</b>	<b>11.02</b>	<b>11.31</b>
Procurement (Systems, Printers & Accessories)	47.24	16.59	15.70	6.32	8.63
Maintenance (AMC for Systems & Printers)	10.95	2.95	3.33	3.06	1.61
Deployment (Printer Consumables)	5.91	1.29	1.91	1.64	1.07

#### 4.4. Maintenance of Campus Facilities

##### Budget for Physical Facilities and Academic Support Facilities

- Maintenance of facilities in the campus (physical facilities and academic support facilities) is a routine affair and the Management always pays special attention to this aspect.
- The following tables from 4.17 to 4.21 provide information about the amounts spent on the maintenance.

##### Building

**Table 4.17**

##### Maintenance Expenditure Incurred for Civil Structures

S.No.	Particulars	Total Amount(Rs. in Lakhs)	Maintenance Amount Details (Rs. in Lakhs)			
			2010-11	2011-12	2012-13	2013-14
1	Building	86.85	29.67	10.99	32.80	13.39

##### Furniture

**Table 4.18**

##### Maintenance Expenditure Incurred for Furniture

S.No.	Particulars	Total Amount(Rs. in Lakhs)	Maintenance Amount Details (Rs. in Lakhs)			
			2010-11	2011-12	2012-13	2013-14
1	Furniture	14.48	3.54	0.99	5.88	4.07

##### Equipment

**Table 4.19**

##### Maintenance Expenditure Incurred for Equipments

S. No.	Particulars	Total Amount (Rs. in lakhs)	2010-2011	2011-2012	2012-2013	2013-2014
			Amount (Rs.in Lakhs)	Amount (Rs.in Lakhs)	Amount (Rs.in Lakhs)	Amount (Rs.in Lakhs)
1	Lab Equipments	5.98	0.29	1.36	1.73	2.60

##### Computers

**Table 4.20**

##### Maintenance Expenditure Incurred for Computers

S.No	Particulars	Total Amount (Rs. in Lakhs)	2010-2011		2011-2012		2012-2013		2013-2014	
			Nos.	Amount (Rs.in Lakhs)	Nos.	Amt (Rs.in Lakhs)	Nos.	Amt (Rs.in Lakhs)	Nos.	Amt (Rs.in Lakhs)
1	Computers	5.91	427	1.29	487	1.91	517	1.64	548	1.07

**Vehicles**

**Table 4.21  
Maintenance Expenditure Incurred for Vehicles (Only Buses)**

S. No	Particulars	Total Amount( Rs. In Lakhs)	2010-2011		2011-2012		2012-2013		2013-2014	
			Nos.	Amt. (Rs.in Lakhs)	Nos.	Amt. (Rs.in Lakhs)	Nos.	Amt/ (Rs.in Lakhs)	Nos.	Amt/ (Rs.in Lakhs)
1	Transport	118.21	38	19.02	44	27.51	46	29.61	46	42.07

**Procedures for the Use of Facilities**

- The use of classrooms, laboratories and the library is regulated according to the provision made in the time-table of individual classes.
- In general, utility registers are maintained in which entries have to be made as to who is using the facility.
- Taking into account the maintenance and upkeep of software items, we have an MOU with the company concerned.
- The company engineer periodically visits the college and renders help in maintenance and upkeep.
- Expertise is also available at the college capable of attending to minor defects.
- One senior staff member of the college takes care of the maintenance and upkeep of all apparatuses and equipments in each department.
- When there is a defect or impair in any of the apparatus or equipment, a teacher of the department will make entry in the complaint register under the care of a senior staff.
- A label is usually tied with the apparatus denoting the name of the apparatus, make, model, accession number and name of the service engineer. The staff in-charge will take action on the complaint.
- The asset management committee takes stock of the assets and their physical and operational conditions every year and they highlight the same to the appropriate officials.
- A couple of civil engineers are present in the college throughout the year. Maintenance and upkeep of civil structures are taken care of by these engineers.

In order to maintain sensitive equipments and safeguard them from the danger of voltage fluctuations, we use seven UPS of various capacities as detailed below:

- Total No. of UPS – Seven (90 KVA)
  - 20 KVA – 2 Nos.
  - 15 KVA – 1 No.
  - 10 KVA – 3 Nos.
  - 5 KVA – 1 No.

## Criterion-IV: Infrastructure and Learning Resources

- Total No. of A/C in Computer Lab – 26.
- It is imperative that all the scientific laboratories require 24 hour continuous power supply.
- In order to ensure continuous power supply, two generators are always kept ready for service.
- Therefore, our students can afford to carry out their experiments without any tinge of worry about power-failures or power-shutdown.
- Likewise, all programmes conducted at our college (conferences, seminars, invited lectures, celebrations etc.,) can go on smoothly uninterrupted.

### Utilization of Funds Allocated

- The Management allots sizable amount with regard to maintenance and upkeep of the infrastructure based on the requirements and necessity appraised by civil engineers. This amount is totally spent for the purpose.
- The table 4.22 provides detailed information:

**Table 4.22**  
**Details of Expenditure Incurred for the Maintenance and Upkeep of the Infrastructure**

Description	Total Amount (Rs. in Lakhs)	Total Amount in Lakhs			
		2010	2011	2012	2013
<b>Grand Total (Rs. in Lakhs)</b>	<b>146.67</b>	<b>46.52</b>	<b>23.43</b>	<b>47.97</b>	<b>28.75</b>
Building	86.85	29.67	10.99	32.80	13.39
Electrical	15.54	2.55	5.22	3.70	4.07
Furniture	14.48	3.54	0.99	5.88	4.07
Gardening	0.58	0.23	0.01	0.09	0.25
Genset	2.91	1.80	0.56	0.46	0.09
Motor & Borewell	4.89	1.55	0.38	0.18	2.78
Plant & Machinery	5.76	1.64	1.90	1.84	0.38
Others	15.66	5.54	3.38	3.02	3.72

# Criterion-V

Student Support and Progression

## CRITERION-V: STUDENT SUPPORT AND PROGRESSION

Our institution is of the view that mere imparting of knowledge alone will not pave way for one's progression and achievements in all fields. Hence, necessary support services in the form of financial and non-financial supports, bridge courses, grievance redressal, counseling, curricular, co-curricular and extra-curricular supports, welfare supports etc., are made available to them in various forms to make them complete their programmes successfully.

The reasons for the poor performance of the students are analyzed and the institution plans and implements remedial measures to achieve optimum progression.

A number of clubs, forums and service channels bring out the hidden talents of learners and nourish them to the fullest extent possible.

The institution is highly concerned with students' progress to higher studies and employment. The institution creates a conducive climate for social justice and better relationships among the stakeholders.

The institution owns infrastructure and up-keep practices required for the promotion of participation of students in social, cultural and leisure time activities by which the students develop their competitive skills and righteous frame of mind.

### 5.1 Student Mentoring and Support

#### Student Welfare Measures

- One thousand and seventy nine students have been the beneficiaries of institutional scholarships / freeships for the past four years as shown in the table 5.1.
- A benevolence of a sum of Rs.95.22 Lakhs has been distributed to the students on the basis of
  - Academic merit
  - Old student
  - Excellence in sports
  - Management's charity
  - General
- The institution offers Group Insurance Scheme to the students. This insurance coverage has been made available since 2008.
- In case of any accident, the insurance company shall bear the hospital expenses upto Rs.25,000/- .
- If the accident proves to be fatal, the family of the deceased will be paid a sum of Rs.1.5 lakhs by the company.
- If the parent of a ward dies in the accident, the insurance company pays a sum of Rs.1 lakh to the student's family.

**Table 5.1**  
**Particulars of Management Scholarships (Rs. in Lakhs)**

Attributes	TOTAL		2010-11		2011-12		2012-13		2013-14	
	No.of Students	Amount	No.of Students	Amount	No.of Students	Amount	No.of Students	Amount	No.of Students	Amount
<b>Total</b>	1079	95.22	256	26.49	291	29.05	276	23.72	256	15.97
Sports	104	44.1895	26	12.93	21	11.39	30	13.05	27	6.82
General	185	3.595	57	0.82	46	0.95	43	0.85	39	0.98
Management	88	15.776	15	4.39	37	8.20	21	1.97	15	1.22
Old Student	604	26.885	158	8.35	149	6.87	152	5.98	145	5.69
Merit Scholarship	98	4.775	-	-	38	1.64	30	1.87	30	1.27

**Table 5.2**  
**Details of the Students' Insurance Claim Settled**

S.No.	Academic Year	Name of the Student	Branch of Study	Claim Amount (Rs. in Lakhs)	
<b>Total</b>				<b>3.71</b>	
1	2013-14	L.Balamurugan	III B.Sc Computer Sci	0.99	
2	2012-2013	A. Arulkumar	II-B.A., English	0.26	
3		K. Mano	III-B.Sc., Computer Sci.	0.11	
4		P. Vijayakanth	II-M.Com	0.28	
5		G. Thambidurai	I-M.Sc. Chemistry		
6		E. Govindaraj	I-M.Sc. Chemistry		
7		M. Krishnamoorthi	I-M.Sc. Chemistry		
8		M. Sakthivel	II-M.Com		
9		C. Bharath	III-B.A. English		
10		K. Harisankar	III-B.A. English		
11		V. K.Siva	II-B.Sc.Biotechnology		
12		C. Nallathambi	III-B.Sc. Chemistry		
13		M. Saranya	I-B.Com CA		
14		G. Arun Prasath	III-B.A. English		
15		2011-2012	R. Sudha		III-B.Sc., Mathematics
16	K. Dheenadayalan		III B.Com., CA		0.03
17	P. Poomalar		II B.Com., CA		0.18
18	M. Arumugam		II B.Sc Mathematics	1.75	

### Personal Enhancement and Development

- Most of our students hail from rural background and English is a hurdle for them. So the institution lays emphasis on wiping out their fear of English. Steps are taken to instill in them the confidence to learn English.
- Bridge - courses dealing with basic grammar have been conducted for the I-UG students at the English communication laboratory.
- A specially designed “English Language Laboratory” is rendering a great service in enriching the students’ communicative skills.
- It also helps to improve the students’ competitive skills to appear for some special examinations like TOFEL.
- “A Cambridge Model” online examination has been conducted and certificates have been issued to the successful participants.
- The institution provides support and guidance to the students in preparing for the competitive examinations.
- The institution purchases study-materials, periodicals and magazines that are arranged in a separate section in the library.
- Students are guided to refer to those materials during office hours/ library hours or they can borrow them from the library.
- Special classes meant for preparation for competitive examinations even on non-working days or weekends are conducted.
- “A Placement Cell” has been in full swing throughout the year and enormous amount of training is offered to enhance the students’ soft skills. External experts from corporate or banking sectors are invited to provide tips regarding job requirements for which the institution bears the expenses.
- The details given in table 5.12 bring to light the number of students appeared and qualified in various competitive examinations.
- The students who do not have computer education in their curriculum are given computer education during an extra hour as a co-curricular activity.
- With a view to enhance the students’ personality, the college has established linkages with certain companies as detailed in the table 3.18.



Placement Training



### **Public Accessibility to Information about the Institution**

- Information about the institution is available in the college website ([www.muthayammal.in](http://www.muthayammal.in)).
- The institution publishes its updated prospectus as well as handbook annually. A student who seeks admission in this college is provided an application form besides a prospectus which gives detailed information about the courses offered, eligibility for admissions, fee structure, hostel accommodation and mode of applying etc.
- A handbook, otherwise known as the academic calendar, is issued to all the students including the newly admitted, every year. It details the
  - Vision and Mission of the college.
  - Rules and Regulations of the college.
  - Semester-wise working days.
  - Specification of National (Government) and other holidays.
  - Dates of commencement of internal examinations.
  - Last day for payment of college fee/examination fee etc.
  - Rules and regulations relating to hostels for both men and women.
  - Details of buses and their destinations and the list of various cells and co-ordinators / in-charges.
  - Other modes and details of public accessibility are highlighted in criterion 2.1.

### **Encouragement to Students' Participation in Co-curricular and Extra-Curricular Activities**

- The institution encourages the students to participate in sports, games, quiz competitions, debates, discussions and cultural activities to expose their inherent abilities and creativity.
- The college offers scholarships and full fee-concessions with free boarding and lodging for sports students.
- A special diet-system has been adopted to energize the sportsmen and sportswomen.
- The college facilitates external coaches to strengthen their sportive capabilities.
- Sport stars have been honored with mementos, certificates and cash awards during Sports-Day celebrations.
- Sports students are given on duty permission to participate in tournaments and the Management sanctions allowance to meet their expenditure.
- They are provided with sports uniforms and materials. They can have their free-will to make use of the materials for practice.
- The college deposes able and experienced staff to guide, train and help the students to win laurels in intellectual competitions.

## Criterion-V: Student Support and Progression

- The Table 5.3 furnishes the details of major student achievements in co-curricular, extra-curricular and cultural activities at different levels University/State/Zonal/National/International, etc., for the past four years.
- Students who have excelled in the inter-collegiate, state level and national level tournaments are suitably honored with gold coins, cash prizes and certificates.
- A Cultural Club functioning in our college organizes dancing, singing, and rangoli competitions to expose the students' cultural talents.
- The best performers in culturals are honored and awarded prizes during annual day celebrations.
- On Duty provision is available to the students who take part in inter-collegiate/University oratorical/singing/dancing/quiz competitions.
- Blood donation camps have been quite often organized by YRC.
- As many as 1431 students have volunteered their services to the society under the NSS banner during the past four years.
- Many value added and some certificate courses are offered to the students.



**Social Service by NSS**



**Honoring the Gold Medalists by the Management**

**Table 5.3  
Excellence in Extra and Co-Curricular Activities**

Activities	Students' Achievements				Level					
	2009-2010	2010-2011	2011-2012	2012-2013	University	State	Zonal	District	Intercollegiate Meet	Others
Cultural	9	15	19	16	20	1	11	8		19

Co-Curricular	28	50	54	15			4		18	125
<b>No of Blood Donors</b>										
(YRC)	Blood donation camps	189		60	278					
	Emergency	31	19	30						

**Placement Cell and Entrepreneurship Development Cell**

- The institution has taken strenuous efforts to facilitate entrepreneurial skills among the students.
- A Placement Cell has been in activation throughout the year to train the students to acquire the professional skills required for getting placements.
- Students are sufficiently trained with skills to appear for On Campus/ off campus interviews which have been arranged frequently by the placement cell.
- In addition to the guidance offered by the coordinator and members of the placement cell, external experts are being invited to train the students to acquire soft skills.
- Because of the initiatives and efforts of the placement cell, 246 students during 2013-2014, 223 students during 2012-2013, 165 during 2011-12 and 72 during 2010-11 got placements in various reputed concerns.
- Students are exposed to certificate courses such as “Water Analysis and Treatment, Mobile Servicing, Computer Hardware, Web Designing, Photography, Tally, Global Certification with BSNL, Fashion Arts” etc., to augment their competitive skills and to come out successful in the entrepreneurial zones.
- Similarly, the department of Hotel Management and Catering Science conducts “Food Festivals” which bring out the students’ expertise in cooking, baking and selling the products manufactured.
- A “Cake Mela” has been a big show organized by HM&CS during Christmas.
- Textile and Fashion Designing department takes special efforts to infuse entrepreneurial spirit in the students.
- Experts from renowned textile industries are invited to address the students and guide them to become entrepreneurs in textile industry.
- The students are also taken on study tours to popular textile concerns.
- The students are taught various aspects of textile industry such as dyeing, printing, embroidery, designing, etc.
- They prepare various types of garments for young and old, men and women etc. These garments are exhibited at the end of the academic year for sales to the staff, students and public.

## Criterion-V: Student Support and Progression



**Food Festivals**



**Exhibition of Garments**

Tables from 5.4 to 5.7 provide details of Placements

**Table 5.4  
Placement Particulars (2013-14)**

S.No	Company	Number of Students Placed
<b>Total</b>		<b>246</b>
1	Eureka Forbes ,Salem	57
2	TCS,CHENNAI	23
3	ISSM,Chennai	21
4	W.t.t. Technology Services India PVT ltd,Tirupur	20
5	Aee Bee - Group of Institutions, Salem	20
6	ICICI BANK,Chennai	18
7	Reliance ,Chennai	13
8	CTS,Coimbatore	9
9	The Residency ,Chennai	8
10	DiCOM ,Chennai	8
11	SKYPRO Technology,Bangalore	7
12	Muthoot Fincorp,Salem	4
13	Lider ,chennai	4
14	Vee Technology,Salem	3
15	Sivasakthi Hotels (p) Ltd,Salem	3
16	Shri Lakshmi Assayer's & Hall marking,salem	3
17	Rasi seeds ,Attur	3
18	Rasi International School,Rasipuram	3

Criterion-V: Student Support and Progression

19	Mahindra finance	3
20	Katsi,chennai	3
21	KKP Textile , Namakkal	2
22	GRT NATURE TRAILS - YERCAUD	2
23	Accenture	2
24	Sutherland,chennai	1
25	Sans Pareil IT Services Pvt Ltd, Chennai	1
26	sanmar group	1
27	Muthayammal Engineering College	1
28	Mobius,chennai	1
29	iGate,Bangalore	1
30	aloft ,Chennai	1

**Table 5.5**  
**Placement Particulars (2012-13)**

S.No	Company	Number of Students Placed
<b>Total</b>		<b>223</b>
1	ICICI ,Coimbatore	78
2	Eureka ,Salem	47
3	GVK Emergency Management Service, Chennai	41
4	TCS BPO, Chennai	13
5	Muthoot Fincorp, Salem	10
6	Parkplaza, Salem	9
7	Katsi, Chennai	4
8	Muthayammal Polytechnic Institution	4
9	Tech Mahendra	4
10	Kohinoor Asiana Hotel, Chennai	3
11	Bllue Lotus, Chennai	2
12	CTS, Coimbatore	1
13	Wipro, Bangalore	1
14	Svenska , Bangalore	1
15	Hilton, Chennai	1
16	Reliance , Chennai	1
17	Kochar Info Tech, Chennai	1
18	TNQ Books & Journal (P) Ltd, Chennai	1
19	Community Awareness Rural Educational Trust	1

**Table 5.6**  
**Placement Particulars (2011-12)**

S. No.	Company	Number of Students Placed
<b>Total</b>		<b>165</b>
1	TCS,Chennai	27
2	Nel Tech, Coimbatore	21
3	Rasi Seeds, Attur	18
4	Wisdom Technology	13
5	ICICI Bank	12
6	Infosys	11
7	GVK Emergency Management and Research institute, Chennai	11
8	Wipro	7
9	Asiana Hotel, Chennai	6
10	Hotel Pleasant Day's, Chennai	6
11	Koni Ameri Service India Pvt. Ltd, Chennai	4
12	India Calling ,Bangalore	3
13	Reliance	3
14	Mahindra finance	3
15	Muthoot finance	3
16	HCL , Bangalore	2
17	Park Plaza	2
18	Vee Technology	2
19	J. K. B Spin (Pvt. Ltd.) South Africa	2
20	Bllue Lotus	1
21	Allsec Technologies	1
22	Serco, Chennai	1
23	Mielsoft Technology	1
24	Accord Metropoliton, Chennai	1
25	Cilipten Exports, Tirupur	1
26	Apollo CV Zone, Salem	1
27	Aravind Eye Hospital	1
28	Williams Corporate, Chennai	1

**Table 5.7**  
**Placement Particulars (2010-11)**

S.No.	Company	Number of Students Placed
<b>Total</b>		<b>72</b>
1	TCS-BPO	11
2	Wipro	8
3	Country Vacation, Salem	8
4	WTT Technologies	8
5	DELL, Chennai	6
6	Alila Hotel ,Bangalore	6
7	Mahindra Next Wealth India (P) Ltd	4
8	PRS Tyres, Namakkal	4

9	Asiana Hotel	4
10	Club Mahindra Coorg	4
11	TCS-IT, Chennai	3
12	Tech Mahindra	3
13	Infosys, Chennai	2
14	CTS, Coimbatore	1

#### The Alumni Association and Its Contributions

- The institution has a registered “Alumni Association”. The Alumni Association holds “Alumni Meet” and “Motivation Programmes” periodically.
- It invites the old students who hold positions in some prominent concerns to deliver lectures to the students.
- Their interactions with the students help them to acquire and enhance their skills to face the challenges in the job markets.
- Their presence at the institution in total provides an opportunity for the students to strengthen their work-spots.
- They suggest some ways and means to develop the infrastructure and academic performance of the students to walk abreast with the current trends.
- They also suggest some tips to make the students acquire knowledge to compete successfully at the interviews.
- They give their valuable opinion for curricular enrichment also.

#### Amount Sponsored by the Alumnus/Alumna

- The efforts of the alumni association made one of the old students of the college (Mr. P.S. Naveen (2003-06 Batch), Dept. of Biotechnology, now working in Dubai) to offer a scholarship of Rs. 6000/- per semester.
- This amount is distributed to the following two students, Rs.3000/- each per semester.

R. Bothammal - B.Sc., Microbiology (2012-15)

M. Karthick - B.Sc., Biotechnology (2012-15)

Table 5.8 given below brings out the programmes organized by Alumni Cell.

**Table 5.8**  
**Alumni Interaction**

S. No.	Name of the Department	Date	Name of the Alumnus / Alumna	No of Participants
1	Academy of Computer Science	11.01.2014	<b>Vijayan R</b> , TCS, Chennai. <b>Madhankumar S</b> Soften , Chennai. <b>Manjunadheswaran</b> IBM India Pvt. Ltd, Chennai. <b>Palaniappan M</b> Burning Glass Technologies, Chennai. <b>Gayathiri S</b> WIPRO Technologies, Chennai. <b>Rajesh A</b> Valeo India Private Limited, Chennai.	300
		02.08.2013	<b>Mr. Arunkumar</b> , QA Engineer, Photo Infotech, Chennai. <b>Mr. S. Vimalkumar</b> , Software Engineer, Accelfrontline. <b>Ms. Bhuvaneshwari Rajendran</b> , Assist System Engineer, TCS, Chennai. <b>Mr. K. Nanda</b> , BPO Analyst, TCS, Chennai. <b>P.Priya</b> , Software Developer, Hewlett Packard Global Soft Limited.	300
		19.01.2013	<b>Mr. Balaji Manickam</b> – Team Leader/CTS. <b>Mr. M. Anandakumar</b> – Ass Software Engineer/Mahendra Next Wealth IT India Pvt Ltd. <b>Mr. K. Mohanakannan</b> – Asso Engineer/ Wipro InfoTech, Chennai. <b>Mr. R. Meiyazhakan</b> – Software Developer in Java/Congruence Software Solutions, Bangalore. <b>Mr. K. ArunKumar</b> – QA Engineer/Photon Infotech(P)Ltd, Chennai. <b>Mr. R. Janarthanan</b> – Developer /Wipro, Bangalore.	300
		21.09.2012	<b>Mr. Rabiathul Basiriya</b> – Test Eng/Wipro. <b>Ms. S. Jeevitha</b> - Asso.Eng/Wipro. <b>Ms. S. Krithiga</b> – Sys.Exe/CTS. <b>Ms. T. Navanitha Ezhil</b> – Pro.Ass/TCS. <b>Mr. S. Jagadessh</b> – Pro.Asso/TCS.	300



Criterion-V: Student Support and Progression

		22.07.2011	<b>Mr. Venkatesh</b> , s/w engineer, Infosys-Chennai. <b>Mr. Ragu</b> , Team Leader/Yureka, Chennai.	300
2	BBA	17.10.2012	<b>Mr. B. Dhandapani</b> Asst. Manager, (Sales & Tours), Asian Famous, Chennai. <b>Mr. S. R. Suraj</b> Sr. Executive, Tamilnadu Channels Cox & Kings, Chennai. <b>Mr. S. Gokulakrishnan</b> Relationship Executive, Axiom Holidays, Chennai. <b>Mr. M. Ramkumar</b> Team Leader (Operations), Asian Famous, Chennai.	63
3	Biochemistry	18.10.2012	<b>Dr. R. Saravanan</b> , Assistant professor Department of Marine Pharmacology Chettinad Hospital and Research Institute, Chennai.	27
4	Biotechnology	20.05.2012	B.Sc., Biotech, 2004-2007 students (alumni meet).	30
		25.01.2014	B.Sc., Biotech, 2005-2008 students (alumni meet).	20
		27.09.2013	<b>Mr. Vivek Murali</b> , Founder, Chief Operating and Scientific Officer, Remura Biological, Krishnagiri, Tamilnadu.	130
		22.12.2012	<b>Mr. S. Muruganatham</b> , Senior Research Associate, Meta Y Age IP – Strategies Consulting, Bangalore. <b>Mr. T. Mathimani</b> , (Ph.D.,) Research Scholar, Bharathidasan University, Trichy.	133
5	Chemistry	28.02.2014	<b>J. Jayamani</b> JRF, CLRI, Chennai.	252
		21.09.2012	<b>Mr. P. Dinesh kumar</b> , Project Associate, Department of Chemical Engineering, IIT (MADRAS), Chennai.	150
6	Commerce	21.09.2011	<b>CA. V. Parthasarathi</b> , Chennai.	250
7	Electronics & Communication	06.06.2007	<b>Mr. Ramesh</b> ENIXS, Thillai nagar, Trichy.	50
8	HM&CS	18.09.2012	<b>Mr. Nandakumar</b> , Trainee Captain, Hotel GRD Sun Away, Puducherry.	52
9	Microbiology	30.01.2014	<b>Dr. D. MubarakAli</b> , Scientist Central Inter-Disciplinary Research Facility (CIDRF) Mahatma Gandhi Medical College and Research Institute Campus, Puducherry – 607402.	125
		23.12.2011	<b>Dr. P. Manikandan</b> Aravind Eye Hospital, Coimbatore.	35
10	Physics	26.12.2013	<b>P. Loganathan</b> , Asst. Sub Registrar, Rasipuram.	60

## Criterion-V: Student Support and Progression

		02.03.2013	<b>Mr. K. Jeyaseelan</b> Senior Software Engineer The New American India (P) Ltd, Salem. <b>Mr. K. Sreetharan</b> Research Scholar, Dept of Physics, Bharathiar University, Coimbatore.	60
11	All Departments	17.05.2012	1996-1999 batch students (alumni meet).	300
12	All Departments	Every year - April	Every Year, through alumni cell, farewell is conducted in the month of April. In this ever green occasion the students are honored with mementoes.	All outgoing students



**Alumni Meet**



**Alumni Interaction**



**Farewell**



### Redressal of Students' Grievances

- The institution has a student Grievance Cell.
- An e-mail ID has been created and grievances have been received from the students through [gvc@muthayammal.in](mailto:gvc@muthayammal.in).
- Suggestion boxes have been fixed at each block and students can utilize this facility to represent their grievances, suggestions as well.
- Feedbacks collected from students also contain grievances.
- Students are free to express their grievances directly to the Principal, HODs or teachers.

- A scrutiny is made of all these grievances and genuine ones are redressed immediately or at the earliest.

#### **Anti-Ragging Committee**

- There is an anti-ragging committee with some senior staff as its members.
- They have a hawk eye to monitor the movement of students.
- Flex boards messaging the penalties against ragging are displayed at the main points.
- Meetings are often convened to drive home the fact that ragging is an offence and that it is a punishable crime.
- We have achieved total elimination of ragging within the campus and in the hostel. So far there hasn't been any report of ragging.

#### **Student Support for SC, ST, OBC, PWD and Economically Weaker Sections of Society**

- The Management and the Principal take necessary steps for getting scholarships to students who belong to SC, ST, MBC, PWD and economically weaker sections of the society in accordance with the norms of the state government.
- An economically weak student is given time relaxation for payment of tuition fees, if request is made by him/her.
- During the last few years, students hailing from small agricultural families have also been provided scholarships.
- The Management provides fee concessions ranging from 25% to 100% based on their successful performance in examinations, sports and games or based on their poor economic background or physically disabled condition.
- The institution has spent a sum of Rs. 95.22 lakhs for providing financial assistance to poor students as detailed in table 5.1.
- Table 5.9 given below provides details of students who have received financial assistance from State Govt. under the schemes "Scholarships to SC, ST, wards of farmers and minorities".

**Table 5.9**  
**Scholarship/ Financial Assistance to Students from the State Government**

<b>SC-ST Scholarships</b>		
<b>Year</b>	<b>No. of Students</b>	<b>Total Amount (Rs. in Lakhs)</b>
2009-2010	354	12.48
2010-2011	561	35.02
2011-2012	602	32.00
2012-2013	640	25.25
2013-2014	590	22.85

<b>SC-ST Special Scholarships (Students securing above 60% of Marks in the previous examination)</b>		
<b>Year</b>	<b>No. of Students</b>	<b>Total Amount (Rs. in Lakhs)</b>
2009-2010	4	0.10
2010-2011	1	0.02
2011-2012	8	0.24
2012-2013	12	0.44
2013-2014	4	0.12

<b>Farmer Welfare Scholarships</b>		
<b>Year</b>	<b>No. of Students</b>	<b>Total Amount (Rs. in Lakhs)</b>
2009-2010	628	06.78
2010-2011	448	09.70
2011-2012	305	12.62
2013-2014	Students have applied through their Taluk Office	

<b>Minority Scholarships</b>		
<b>Year</b>	<b>No. of Students</b>	<b>Total Amount (Rs. in Lakhs)</b>
2009-2010	1	0.49
2011-2012	4	0.26
2012-2013	10	0.73

<b>Tamilnadu Educational Trust Scholarship</b>		
<b>Year</b>	<b>No. of Students</b>	<b>Total Amount (Rs. in Lakhs)</b>
2013-14	1	0.045

<b>SC/ST Special Scholarship (For Hostel Students)</b>		
<b>Year</b>	<b>No. of Students</b>	<b>Total Amount (Rs. in Lakhs)</b>
2013-14	4	0.22

<b>Indira Gandhi Single Child Scholarships</b>			
<b>Year</b>	<b>No.of Students</b>	<b>Amount(Rs. in Lakhs)</b>	<b>Remarks</b>
2012-2013	09	1.80	Through Individual A/c
2013-2014	5	0.02 Per month per student	Through Individual A/c

#### **Students with Physical Disabilities**

- There is a cell for physically challenged students.
- For the use of students with disability, a wheel chair has been made available.
- Ramps are provided to make their movements easier
- One of the important support services available for physically disabled students is that, as far as possible, their class rooms are located in the ground floor.
- Transport facility is offered to them to drop them at the nearest point to their class rooms.

#### **Prevention of Sexual (Gender) Harassment**

- An “Anti-Sexual Harassment & Gender violation Cell” is in operation in the institution.
- The cell comes to the rescue of the girls and offers appropriate counseling and protection.
- The cell organizes programmes at regular time-frames with eminent feminists to create awareness among the girls and to instill confidence and courage in their minds.
- Moreover, the Dean-Student Affairs represents all the females in the campus and reflects their views, opinions and concerns for appropriate action.
- Behavior of every student is constantly monitored by the Dean-Student Affairs and also by other staff members.



**An Awareness Programme for the Women**

## 5.2 Student Progression

### Monitoring of the Progression of Students

- We regularly track the students' progression.
- This exercise reveals the fact that a good number of successful students would like to pursue higher education.
- Others seek employment either in government or private concerns.
- The details of students' progression are highlighted in the following Tables 5.10 and 5.11:

**Table 5.10**  
**Consolidated list of Percentage of Students who have progressed to Higher Education**

Department	2007-10			2008-11			2009-12			2010-13		
	UG to PG	PG to M. Phil	PG/M. Phil to Ph. D	UG to PG	PG to M. Phil	PG/M. Phil to Ph. D	UG to PG	PG to M. Phil	PG/M. Phil to Ph. D	UG to PG	PG to M. Phil	PG/M. Phil to Ph. D
B.Com	54	-	-	52	-	-	56	45	-	41	27	-
B.Com CA	38	09	-	39	09	-	48	05	-	43	17	-
BBA	25	-	-	88	02	-	87	-	-	87	-	-
BBA CA	-	-	-	90	05	-	85	-	-	50	-	-
BCA	53	-	-	65	-	-	61	-	-	41	-	-
Biochemistry	70	03	03	60	11	03	25	12	12	41	18	-
Bioinformatics	50	10	-	-	07	-	-	-	-	100	-	-
Biotechnology	60	06	-	53	11	-	76	07	-	33	04	-
Biotechnology (Integrated)	-	-	-	-	20	-	-	09	18	-	-	-
Chemistry	50	12	04	59	02	02	50	17	03	44	04	-
Computer Science	09	-	-	05	-	-	07	17	-	17	43	-
Electronics	31	-	-	59	-	-	57	-	-	50	25	-
English	-	-	-	-	-	-	-	-	-	03	-	-
HMCS	-	-	-	-	-	-	-	-	-	-	-	-
Mathematics	16	05	-	21	14	01	30	12	-	14	15	01
Microbiology	86	08	-	94	27	-	90	28	-	62	29	-
Organic Chemistry	-	16	-	-	11	-	-	2.6	-	-	33	-
Physics	61	15	-	85	-	31	91	29	-	35	36	07
TFD	03	-	-	-	-	-	-	09	-	10	-	-

**Table 5.11**  
**Consolidated List of Percentage of Students progressed to Employment**

Department	2007-10		2008-11		2009-12		2010-13	
	Employed Campus Selection	Other than Campus Recruitment	Employed Campus Selection	Other than Campus Recruitment	Employed Campus Selection	Other than Campus Recruitment	Employed Campus Selection	Other than Campus Recruitment
B.Com	-	05	-	06	13	-	18	-
B.Com CA	-	10	-	14	05	-	12	-
M.Com CA	-	-	-	-	-	-	-	04
BBA	-	76	-	37	-	58	-	52
BBA CA	-	-	-	-	-	52	-	44
BCA	-	08	-	08	08	06	40	11
Biochemistry	-	-	-	11	16	-	35	-
Biotechnology	-	-	-	-	02	-	23	06
Chemistry	-	71	-	56	3	67	17	47
Computer Science (UG)	-	01	-	-	03	04	04	05
Computer Science (PG)	-	-	-	-	02	-	08	-
Electronics	-	10	-	07	-	06	02	05
English	03	-	-	-	-	-	-	-
HMCS	23	77	47	53	100	-	79	-
Mathematics	02	15	01	21	12	33	14	35
Microbiology	-	84	-	88	04	82	17	72
Physics	-	10	-	10	-	11	-	14
TFD	-	35	-	35	-	23	-	25

### Prevention of Dropout

- Attempts by all means are made to prevent dropouts.
- Attendance of each student is strictly monitored every day.
- If a student absents himself for more than three days, the fact is immediately intimated to both the Principal and the parents.
- Long absentees and their parents are invited to have a meeting with the staff, the Principal and the Dean-student affairs.
- A solution is arrived at to persuade the student to continue his studies.
- Efforts are taken to mitigate the difficulties and problems faced by the long absentees.
- The Principal and the HODs try to identify the root cause for dropping out and take actions to remove the hurdles and persuade the students to pursue their studies by drawing the students' attention to the advantages.
- The Principal, during his power point presentations, points out the importance of regularity and the value of education.

### Measures Taken to Increase the Pass Percentage

- Unit Tests, Mid-Semester and end of semester examinations are systematically conducted.
- Extra coaching classes are organized.
- Re-teaching is done by splitting the larger units into smaller units.
- Materials in simple language are prepared and distributed to the Students.
- Classes are held during weekends/ holidays and after class hours.
- Question banks are maintained. Students are tested by choosing a few questions in each paper.
- Group-study is encouraged.
- Writing assignment under the supervision of the parents (if possible) is suggested and to some extent monitored.

### Track Record of Students Appearing and Qualifying in Competitive Examinations

- All our students are encouraged to appear for various competitive examinations conducted by state/ central government, banking commissions, defence sector, UGC and private concerns.
- Counseling and guidelines are provided to increase their employability.
- The details of students who have been qualified in various competitive examinations are given in the Table 5.12.

**Table 5.12**  
**Successful Candidates in Competitive Examinations**

Competitive Exam	Appeared	Qualified	Academic Year
Defence	16	11	2007-2013
TNPSC	126	07	2007-2013
Railway	08	05	2010-2012
UGC-CSIR	27	02	2007-2011
UGC-NET	11	01	2009-2013
SLET	12	01	2008-2013
Bank	06	-	2011-2013
Others (Police, TET, GATE)	158	26	2009-2013

### 5.3 Student Participation and Activities

- The performance of our students in games and sports as well as cultural activities is outstanding.
- All encouragement is given to the students to excel in games and cultural programmes.
- The four tables given below bear ample testimony to this fact.



**Range of Games and Extra-Curricular Activities**

- Tables from 5.13 to 5.16 provide details of sports, games, cultural and other extracurricular and co curricular activities available to students and details of participation and programme calendar.

**Table 5.13  
Performance of Our women & Men Students in the Periyar University  
Inter-Collegiate Tournaments 2009-2013**

Game	Sex	Position					Remarks
		2009	2010	2011	2012	2013	
Cross Country	W		IV & V	IV & V	-	-	
	M			Silver -1	VI Place	III Place	
Table Tennis	W	Winners	Runners	Runners	Winners	Winners	
	M	Runners	Winners	Runners	III Place	Winners	
Badminton	W	III Place	Winners	Runners	Winners	Winners	
	M	III Place	III Place	Runners	Runners	III Place	
Chess	W	IV Place			-	-	
	M	III Place			IV Place	V Place	
Hand Ball	W		IV Place	III Place	III Place	III Place	
	M	Winners	Runners	Lost Quarter Final	Runners	Runners	
Foot Ball	M	Runners	Runners	Runners	-	IV Place	
Kho Kho	W			Lost Quarter Final	III place	Runners	
	M	IV Place	IV Place	IV Place	-	-	
Hockey	W	IV Place	III Place	IV Place	Runners	IV Place	
	M	Runners	Runners	Runners	III place	Runners	
Athletics	W	*Gold-1 Silver -3 Bronze-2	*(Gold-1 Silver-2 Bronze-7	*Gold-3 Silver-4 Bronze-1	Gold-5 Silver-3 Bronze-6	Gold-5 Silver-6 Bronze-4	*Overall Runners
	M	Gold- 1 Silver-2	*Gold-6 Silver-2 Bronze-2	**Gold-5 Silver-7 Bronze-4	Gold-3 Silver-4 Bronze-5	Gold-3 Silver-1 Bronze-2	*Over all third ** Over all runners UP
Power Lifting	W	*Gold-2 Silver-4 Bronze-2	*Gold-4 Silver-2 Bronze-2	*Gold-4 Silver-1 Bronze-1	Gold-3 Silver-4	Gold-6	*Overall Winners
	M	*Gold -5 Silver-3 Bronze-1	*Gold-6 Silver-2 Bronze-1	*Gold-4 Silver-3	Gold-3 Silver-3 Bronze-1	Gold-2 Silver-4 Bronze-1	*Over All Champion Ship Runners
Weight Lifting	W	*Gold – 3 Silver – 2 Bronze – 2	*Gold-5 Silver-2	*Gold-4 Silver-3	Gold-5 Silver-1 Bronze-1	Gold-6 Silver-1	*Overall Winners
	M	*Gold- 3 Silver - 2	*Gold-4 Silver-3	*Gold-5 Silver-2	Gold-4 Silver-4	Gold-2 Silver-4	*Over All Champion

Criterion-V: Student Support and Progression

		Bronze- 1		Bronze-1		Bronze-2	Ship
Ball Badminton	W	Winners	Winners	Winners	Winners	Winners	
	M	Runners	Runners		Runners	IV place	
Taek-won-do	W				Gold-5 Silver-2	Gold-6 Silver-4 Bronze-1	Overall Winners
	M			Runners	Silver-3 Bronze-8	Gold-2 Silver-2 Bronze-2	Overall Runners
Judo	W				Gold-1 Silver-3 Bronze-5	Gold-2 Silver-1 Bronze-4	Overall Winners
	M				Silver-4 Bronze-6	Silver-2 Bronze-4	-

W- Women M-Men

**Table 5.14**  
**Feats Achieved in the Open Tournaments (2009-2013) Men & Women**

S. No	Game	Year	Level	Position				Remarks
				Gold	Silver	Bronze	Place	
1	Power Lifting	2009	State	1		1		
			National		1			
			District	2	5	2		
			South India	2	5	2		
			State			1		
			State	1	3	4		
	Power Lifting (M & W)	2010	State	4	2			
			National			1		
			District	5	4	4		
			State		3	3		
			State	2	2	2		Over All Championship
	Power Lifting (M & W)	2011	National		1		IV-1	
			South India	2	1	1		
			District	5	7	1		Over All Championship
			State	1	1	1		
		2010	District	13	7	5		Over All Championship
State			1	2	1			
District			11	7	1		Over All Championship	
State				1	1			
2010	State		1	2				
	District	1	4	1				

Criterion-V: Student Support and Progression

			South India	1				
			State		1			
			State		1			
			District	1	2			
			South India		1		IV-3	
			State				IV-2	
			District	4	1	1		
		2011	District	3	1			
			District	3	1			
			State	1	3	3		
2	Athletic (M)		State				V-1	
3	Football	2010	District				Win ners	
4	Hockey	2010	District				Win ners	
5	Teak-Won-Do (W)	2011	South India	1	1			
			National	1		1		
6	Hand Ball (M)	2011	State				III	
7	Badminton (M)	2012	South India				Run ners	
8	Power Lifting (W)	2013	National	1		1		
9	Ball Badminton (W)	2013	National				III	
10	Power Lifting (W)	2013	State	4	3	2		
11	Taek-won-do (W)	2013	District	1				
12	Soft Tennis(W)	2013	National		1			
13	Chess(M)	2013	State				VIII &X	
14	Mini Marathon (M)	2013	District				III	2000/-Cash Award
15	Taek-won-do (M)	2013	South India	4				
16	Athletics(M)	2013	District	11	6	11		
17	Weight Lifting (W)	2013	State	1	2	1		
18	Taek-won-do (W)	2013	State		1			
19	Athletics(M)	2013	State	1				Honored with Shield & Certificate By Namakkal District Collector
20	Taek-won-do (W)	2013	All India	1				Honored with Rs.13000/-Cash Award By Salem District Collector

Criterion-V: Student Support and Progression

21	Hand ball(M)	2013	State				V	
22	Power Lifting (M&W)	2013	District	8	8	3		Women overall winners Men over all Runners
23	Weight Lifting(M & W)	2013	District	9	6	5		Women overall winners Men over all Runners
24	Taek-won-do (M)	2013	National	4				

W- Women M-Men

**Table 5.15**  
**Over All Performances at the Sports, Games and Events (2012-13)**

S.No	Game	Year	Level	Position				Remarks
				Gold	Silver	Bronze	Place	
1	Sub-junior Power Lifting Tournament	2012	State Level	5	2			Strongwomen
			District Level	2	1			
			National Level			1		
2	Power Lifting	2012	State Level	2	1	3	IV-2	2 New Records
			District Level	6	4	5		District Overall championship women
3	Athletics	2012	District Level	3	2			
			State Level	2				
			State Level South India	1	1	1	IV-3	
			State Level CM		1		IV-2	75,000/- Cash Award for Silver medal
4	Chess	2012	District Level				II-1	
5	Taek Won Do	2012	State Level	1		1		
			South India	2				
6	Best Physic	2012	District Level (M)				III-1	
7	Soft tennis	2012	District Level	1				
8	Weight Lifting	2012	District Level (M)	2	2	2		(M & W) - overall Championship.
			District Level (W)	3	4	2		
			State Level		3	2		(W) over All Championship
9	Ball Badminton	2013	State Level (Women)				Winners	5000/-Cash Award

Criterion-V: Student Support and Progression

10	Power Lifting	2013	District Level (W)	3	4		(W) Over all Championship (M) Over all Runners
			District Level (M)		2	3	

W- Women M-Men

**Table 5.16**  
**Achievements at Periyar University Inter-Collegiate**  
**Tournaments (2012-13)**

S. No	Game	Year	Position				Remarks
			Gold	Silver	Bronze	Place	
1	Cross - Country	2012				VI-1	Selected to all India level
2	Table Tennis	2012				Winners (W)	2 students selected to all India level
						III(M)	
3	Badminton	2012				Winners (W)	2 students selected to all India level
						Runners (M)	
4	Ball Badminton	2012				Runners(M)	1 Player selected for all India level
5	Kho -Kho	2012				III(W)	
6	Chess	2012				V-1,VI-2 & VIII-1	
7	Weight Lifting	2012	9	5	1		9 Players selected for all India level power & weight lifting over all championship
8	Power Lifting	2012	6	7	1		
9	Best Physique	2012	1	2			
10	Hockey	2012				Runners (W)	5 students selected to all India level
		2012				III(M)	2 students selected to all India level
11	Hand Ball	2012				III(W)	2 students selected to all India level
						Runners(M)	2 students selected to all India level
12	Boxing (Men)	2012	4	1	4		Men Over all Championship
13	Judo	2012	1	3	5		Women Team Over all Runners
				4	6		Men Team - Over all Runners
14	Athletics	2012	8	8	1		3 students selected to all India level in women team
15	Cross Country	2013				III	

## Criterion-V: Student Support and Progression

16	Table Tennis	2013			Winners(M)	2 students selected to all India level
					Runners (W)	
17	Chess	2013			V(M)	
18	Badminton	2013			*Winners (W)	*2 students selected to all India level (Best Player award for 1Player)
					III (M)	
19	Kho- Kho	2013			Runners(W)	3 students selected to all India level
20	Ball Badminton	2013			IV(M)	
21	Hockey	2013			IV(W)	3 students selected to all India level
22	Hand Ball	2013			Runners(M)	4 students selected to all India level
23	Foot Ball	2013			IV(M)	1 student selected to all India level
24	Hand Ball	2013			III(W)	2 students selected to all India level
25	Ball Badminton	2013			Winners(M)	4 students selected to all India level
26	Hockey (Men)	2013			Runners	

### W- Women M-Men

- The performance of our students in extra and co-curricular activities is elaborated in the table 5.3.



## Achievements in Sports

### Planning and Developing Support Services Based on Students' Feedback

- The letters dropped in the suggestion boxes, the entries made in the complaint registers and the direct representations made by the students to the Principal/HODs throw light on the grievances, difficulties, problems, opinions, wishes and aspirations of the students.
- These are perused to identify the genuine problems and suggestions.
- Concrete suggestions for planning and development of support services are fulfilled. In this context, we would like to cite an example. A student of our college carried out a project on what extent our college bus transport is satisfactory. He wanted slight alterations in the timings of the buses. His suggestions were accepted and implemented. .

**Student Participation through Student Councils**

- Each department has an association.
- There will be a student representative in every association.

**Student Representation on Academic and Administrative Bodies**

- We have student representatives in curriculum development cell.

**Facilities for Students' Publication**

- In order to bring out the hidden talent, skill, creativity dormant in the students' mind, college magazines have been published every year from 2011-12.
- Students are asked to prepare essays, drawings, poems, riddles/puzzles etc. There is a magazine committee functioning in the college. The articles are scrutinized and suitable ones are published in the magazine.
- Students are encouraged to present research papers in seminars organized at the college, other institutions and universities. Our students are also involved in poster presentations in seminars.
- Students of a few departments are well versed in wall magazines.
- Table 5.17 presents details specifying the number of students who have indulged themselves in the preparation and publication of articles in the college magazine/ wall magazine.

**Table 5.17  
Poster Presentations by the Students**

No. of Students	Poster Presentation in Seminars	No. of Magazines				
		2010	2011	2012	2013	2014
154	Poster Presentation in Seminars	56	64	27	7	4
24	College Magazines			8	7	13
34	Dept Magazines	33	1			

**Student Participation in State, National and International Level Sports Events**

- Our students take part in inter-collegiate, inter- university and national level tournaments.
- Performance of our sportsmen/ sports women is exemplary. (Vide tables 5.13 to 5.16).
- All encouragement and support are provided to the players (financial help, sanction of on-duty permission, issue of sports kits, availability of coaches etc.).
- Honoring the achievers in the sports field by awarding them suitably during sports day celebrations.

# Criterion-VI

Governance, Leadership and Management



## CRITERION-VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

The institution has set values and participative decision making process to nurture effective leadership. These values play a vital role to accomplish the vision, mission and objectives of the institution. The institution has formal and informal arrangements which help in co-ordinating the administrative and academic planning. Participation and transparency are the keys that govern the administrative and academic units.

Efforts are made to elevate the professional proficiency of the staff by way of organizing professional development programmes and seeking appropriate feedback from all stakeholders and analysis of responses. The institution has developed procedures and strategies for planning and allocating financial resources. It has an internal quality assurance system that aims at continuous upgradation of quality and attaining academic excellence.

### 6.1 Institutional Vision and Leadership

#### Vision, Mission and Goals of the Institution

Our vision and mission are as follows:

#### Vision

To redefine the scope of higher education by infusing into each of our pursuits, initiatives that will encourage intellectual, emotional, social and spiritual growth, thereby nurturing a generation of committed, knowledgeable and socially responsible citizens.

#### Mission

- To ensure state of the world learning experience
- To espouse value based education
- To empower rural education
- To instill the spirit of entrepreneurship and enterprise
- To create a resource pool of socially responsible world citizens

#### Objectives

- To seek, to strive and to achieve greater heights in arts and science
- To provide sound and value based education
- To instill a sense of patriotism in the minds of students
- To mould him/her as a socially conscious youth

It is evident that our vision, mission and goals are in tune with the objectives of higher education.

### **Governance and Effective Leadership**

- The motto of our institution is “Learn. Lead”. The motto itself signifies the amount of importance given to leadership.
- The institution was incepted in 1994 with 5 departments and 83 students. Within the last 20 years, it has grown into a renowned center for higher education.
- Today there are 16 UG departments, 15 PG departments and 8 research departments.
- Our achievements in education and in the field of sports and games deserve great appreciation.
- All these are possible because of the effective governance and leadership at various levels. The Management being committed and democratic in all approaches is the significant mark of governance.
- The Management is performance-oriented and performance-conscious which make the wagon of the institution run smooth.

Examples for the effective leadership and good governance:

- A steep increase in admission from 83 in 1994 to 4376 in 2013.
- Steady enhancement with regard to infrastructure.
- Overall championships for many consecutive years in handball, power lifting, weight lifting etc.,
- Total absence of ragging incidents.
- Appreciable number of gold medalists and rank holders year after year.
- Gradual and steady increase in the number of placements.

### **Decentralization and Participative Management**

In general, decentralization of work is resorted to complete any work connected with the department. Depending upon the situation, the HODs are empowered to delegate authority to a subordinate considered suitable for the purpose.

- The Principal is empowered to be at his free will to administer all academic activities.
- With regard to the conduct of affairs of each department (conduct of model exams, industrial visits, conduct of guest lectures, workshops, seminars etc.,) the HOD is empowered to take a final decision in consultation with the fellow teachers.
- While taking important decisions with regard to academic affairs, the Principal always has consultations with respective HODs.
- Many teachers are given special assignments. They are “in-charge” for discipline maintenance in the campus, attendance, campus cleanliness, etc.
- Work load/ subject allotment is taken care of by the department.

- In-plant training, project work, mini project are decided by students and staff and final decision is taken by the HODs.
- Periodical department-wise meetings by HODs help to strengthen the class monitoring and activity implementation.

Certainly the college promotes a participative management. The Management, the Principal, the Dean, the Head of the Departments, Heads and coordinators of cells and clubs, faculty and students as well as non-teaching staff are all involved in the management of the institution and its varied activities throughout the year. Everyone is accountable for the success of the programmes.

### Strategic Planning and Interaction with Stakeholders

- Collective discussions, consultations, survey and suggestion/ grievance systems are integral part of decision making process.
- The institution is in touch with all the stakeholders like HODs, faculty, students, parents and university in many ways for effective planning and amicable solutions.
- The institution tracks the developments in the external environment in order to take proactive actions.
- At the beginning of each academic year, every HOD/coordinator has to plan the activities for the whole year and accordingly submit the plan to the Principal.
- All the teachers are consulted in carrying out academic exercises.
- The HODs and the teachers, in turn, have interactions with all the stakeholders.
- Every programme is carefully planned and neatly executed.
- We are also creating awareness to public through media reports and the newsletter of the college.
- A fleet of 59 buses which covers a radius of 50 to 60 km. around our college carry information about our college programmes.

### Evaluation of Policies and Plans

- The Management, the Principal, the governing council, HODs, Heads, Co-ordinators and faculty conduct periodical review meetings for evaluation and implementation of the policies and plans.
- The proceedings of the review meetings are recorded and they have been reviewed at regular phases.
- In the process of monitoring and evaluating the policies and plans of the institution, all the stakeholders are involved.
- Suggestion boxes have been placed at various places within the campus. Students can express their grievances to the grievance redressal cell and also contact the Principal through email-id.
- The grievances are carefully considered and genuine and reasonable ones are redressed to the maximum extent possible.

The policies and plans are carried out by the following methods:

- By committee.
- By involving all stakeholders in decision making.
- By displaying policies and plans to the academic community.
- By convening meetings/holding discussions among the Management, the Principal and the faculty.
- By assigning process owners, allocating resources and periodical review of the plans.

#### Grooming Leadership at Various Levels

- The Principal is the top leader in the college.
- The HODs sow the seeds of leadership in all the teachers who in turn create leaders among the students.
- Thus persons holding higher posts transform leadership qualities to the subordinates so as to groom leaders at all levels.
- By awarding the best performers during annual day celebrations.
- By sanctioning a good sum as annual increment by the Management.
- By honoring best teachers during annual day celebrations.
- By selecting class representatives and student faculty.
- By appointing Heads and co-ordinators for various committees, clubs and cells.
- By granting financial assistance by management to the faculty doing research leading to Ph. D. degree.
- By assigning some special duty to a student with leadership qualities.

#### Decisions Based on Facts, Information and Objectives

- The decisions are taken after giving a deep thought to any academic matter. The Management gives directions to the Principal.
- The Principal, in turn, consults the HODs with regard to smooth conduct of classes and examinations, maintaining discipline, organizing guest lectures, seminars, cultural programmes, extracurricular and co-curricular activities etc.,
- The Principal convenes HODs' meeting and All Staff meeting.
- Decisions on class room allocation, increase of transports, improvement of facilities in the hostels and improvement of academic quality are arrived at based on facts, information and objectives.



All Staff Meeting

6.2 Strategy Development and Deployment

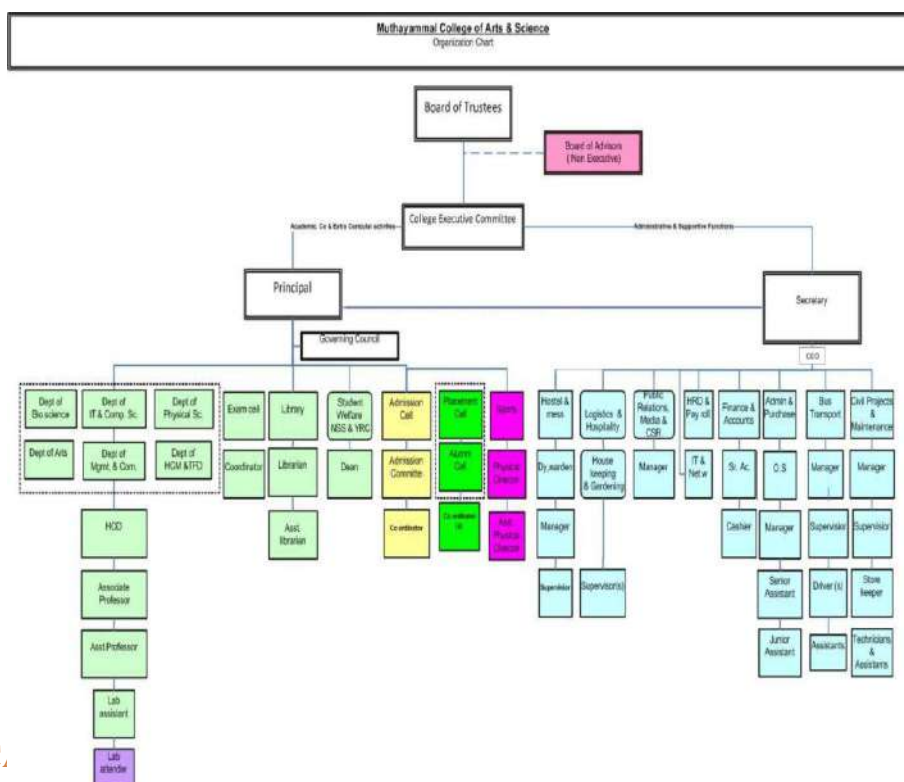
Perspective Plan Document for Strategy Development and Deployment Process

- The institution has conceived a perspective plan document and it is constantly reviewed and updated.
- The Management and the Principal play vital roles in designing a perspective plan for development and suitable strategies.
- The plan takes into consideration the following aspects:
  - Enhancing infrastructure
  - Introduction of new courses
  - Purchase of new equipments to laboratories
  - Conduct of curricular, co-curricular, extra-curricular and outreach activities
  - Support to research
  - Excellence in sports and games
  - Students’ reasonable aspirations and satisfaction
  - Induction of additional buses to cope with the steady increase in the number of admissions every year.
- In general, the plans and strategies adopted for development and deployment are in tune with the Vision and Mission of the institution.

Organizational Structure of the Institution

The chart given below pictorially depicts the organizational structure of our institution.

Internal Organizational Structure of the College



### Feedback System

- It is our practice to collect feedback from all the stakeholders every year.
- Feedbacks are obtained online from the students.
- Confidentiality is maintained with respect to feedback.
- In-depth perusal of all feedback brings forth certain concrete suggestions and genuine grievances. Suitable actions are initiated to implement these suggestions and to redress the grievances.
- Sometimes useful suggestions are brought to light through letters dropped in suggestion boxes.

### Action Plan and Schedules for Future Development

The macro level road map gives directions and orient all the resources of the institution towards the milestones like attainment of autonomy by 2017 and promotion of the institution as the college with potential for excellence by 2020.



#### MCAS-MILESTONES

##### Vision

To redefine the scope of higher education by infusing into each of our pursuits, initiatives that will encourage intellectual, emotional, social and spiritual growth, thereby nurturing a generation of committed, knowledgeable and socially responsible citizens.

##### Mission

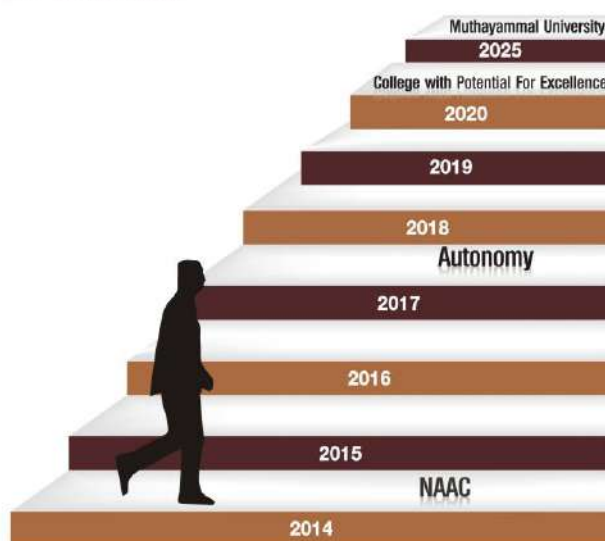
- To Ensure State of the world learning experience
- To Espouse value based Education
- To Empower rural education
- To Instill the spirit of entrepreneurship and enterprise
- To Create a resource pool of socially responsible world citizens

##### Quality Policy

To seek, to strive and to achieve greater heights in Arts and Science, Engineering Technological and Management Education without compromising on the quality of education

##### Motto

Learn. Lead



In addition to this perspective, the institution has conceived a few more future plans:

- To convert all classes into smart classes.
- To add volumes to our library.
- To convert the library into a digital one.
- To initiate action on getting autonomy for the college.

- To elevate all the departments to the level of a research center.
- To undertake major research projects with financial assistance from funding agencies.
- To take efforts to increase the green coverage of the campus.
- To initiate suitable steps towards conservation of water/power.
- To introduce many short-term skill-based courses recommended by the UGC
- To create a sports- complex so that exhaustive facilities are made available for all the games and sports activities
- To serve the public cause by offering some of our facilities to conduct programmes benefiting the common public
- To go for a centralized research laboratory containing all the necessary apparatuses, equipments, glasswares, chemicals etc.

### Grievance Redressal Cell

- The redressal cell has been constituted to look into the grievances expressed by any stakeholder of the college.
- Grievances can be brought to the knowledge of the Principal/HOD either personally or through letters dropped in grievance boxes fixed at various places in the college.
- Grievances can be sent online.
- Steps are taken to address the grievances, if they are genuine.
- The functions of the grievance cell are quite often reviewed by an external honorary member.

### Policies Based on Student Satisfaction

- An annual survey among the students related to all important aspects of the institution like curriculum, infrastructure, teaching-learning process, etc., is carried out and is given due consideration in policy making.
- All genuine grievances are not only addressed with one time corrective actions but also with appropriate policies as preventive action like decentralization of sanctioning of leave.

## 6.3 Faculty Empowerment Strategies

### Recruitment and Promotion of Employees

The Management exhibits sustained interest in recruitment and promotion of its employees:

- Recruitment of staff is resorted to as and when necessary,
- In matters of recruitment, educational qualifications, experience, aptitude and attitude of the candidates are taken into consideration.

## Criterion-VI: Governance, Leadership and Management

- Priority in recruitment is given to Ph. D./SLET/ NET holders and our own students who are gold medalists or university rank holders.
- Teachers who enter the service are designated as Assistant Professors and who have more than 8 years of experience as Associate Professors.
- The senior most teacher in each department is assigned the responsibility as the Head of the department.
- Apart from HODs, departments of similar nature are grouped under one head like Dean (Biological Sciences) and Head-ACS (Academy of Computer Science).
- The Principal is assisted by a “Dean-Student Affairs” who is the senior most staff next to the Principal.

### Adherence to GOI/ State Govt. Policies on Recruitment

- Recruitment of staff is based on the norms set by state government.
- The team of staff in the institution is comprised of various communities (OC, BC, MBC, BCM, SC and ST), genders, religions and physically-disabled etc.
- An interview is systematically conducted to assess the caliber, aptitude, attitude, expertise in the subject and language competency in identifying the suitable candidate.

### Welfare Measures for Staff

- Permission to teachers pursuing research to use lab facilities.
- Free hostel-accommodation to teachers.
- Free bus-transport from their places to the college and vice-versa.
- Group insurance (vide table 6.2).
- Interest free loans to be repaid in monthly installments.
- Fee concession for the wards of employees working in this college.
- Two aprons for all lady staff per annum.
- One set of uniform clothes to all men-staff.
- Two sets of uniforms to the bus crew, sanitary workers, gardeners and sweepers.
- Salary advance.
- Provident fund.
- Medical benefit.
- Human rights cell to help faculty in case of emergencies etc.
- Free food for drivers & cleaners and administrative staff in the hostels (vide table 6.1).
- Organizing family picnics by the Management.



Criterion-VI: Governance, Leadership and Management



**Family Picnic (Teaching Staff)**



**Family Picnic (Non-Teaching Staff)**

**Table 6.1**

**Expenditure Incurred by the Management for Providing Free Food for the Non-Teaching Staff and Transport Crew**

Year	Non Teaching Staff (Rs. in Lakhs)	Driver & Cleaner (Rs. in Lakhs)
<b>Total</b>	<b>40.02</b>	<b>50.20</b>
2009-10	01.68	04.59
2010-11	05.35	07.06
2011-12	11.12	10.94
2012-13	11.24	12.48
2013-14	10.63	15.13

**Table 6.2**

**Insurance Premium Paid by the Management for the Welfare of the Employees of the College**

Year	Company Name	No. of Staff		No. of Student	Per Head Amount Paid (Rs.)	Total Paid (Rs. in Lakhs)	Remarks
		Teaching	Non-Teaching				
2010-11	The Oriental Insurance	182	201	3917	88.47 (including Service tax)	3.99	
2011-12	National Insurance Company Ltd.,	133	214	3937	110 (Including Service	4.73 + 0.22 (addition	Excess Premium paid for 16

Criterion-VI: Governance, Leadership and Management

	Namakkal Branch				Tax)	200 nos.)	members
2012-13	National Insurance Company Ltd., Salem Branch	161	224	4033	116 (Including Service Tax)	5.14	Excess Premium paid for 12 members
2013-14	National Insurance Company Ltd., Salem Branch	172	215	4007	118(Including Service Tax)	6.15	
<b>Insurance Claim Details</b>							
Year	Company Name	No. of Staff		No. of Student	Per Head Amount Paid (Rs. in Lakhs)	Total Paid (Rs. in Lakhs)	Remarks
		Teaching	Non-Teaching				
2010-11	Oriental Insurance Company Ltd			3	0.25	0.66	S. J. Arunkumar - Student
					0.14		P. Raja - Student
					0.25		S. Pushpa - Student
2011-12	National Insurance Company Ltd., Namakkal Branch	1	1	1	0.27	1.38	M. Chandran - Watchman
					1.0		E. K. Ananthan - Student
					0.10		N.P rabhavathi, Lect/English
2012-13	National Insurance Company Ltd., Salem Branch	1	5	13	0.33	1.55	R. Thamilarasi - Servant, A. Arulkumar - Student
					0.26		K. Mano - Student
					0.11		P. Varadharajan - scavenger
					0.11		K. Mohanasundaram, Manager-Transport
					0.17		R. Rajendran, Manager-Hostel
					0.18		K. Nasima, Asst. Professor
					0.08		M. Rathinavel, Electrician
					0.28		11 students (Accident)
2013-14	National Insurance Company Ltd., Salem Branch		1	1	0.02	1.01	S. Egambaram - Cleaner
					0.99		L. Balamurugan - Student

#### **Transparent Use of Performance Appraisal Reports**

- The feedback collected from the students is considered.
- After due validation of the feedback, the staff are appraised.
- The merits include time management, clarity in the delivery of lectures, coverage of curriculum in time, expertise in the subject, humane approach towards students etc.
- Both positive and negative comments are brought to the knowledge of the staff concerned by the Principal.
- The Principal has an interaction with the staff concerned and issues necessary guidelines.

#### **Programmes to Enhance the Competency of the Staff**

- First of all, more importance is given to train the trainers.
- Thus, fresh teachers are provided orientation by the Principal and the senior teachers at the beginning of the academic year.
- Our institution conducts faculty development programmes to enhance the competency of the teaching faculty.
- Teachers are encouraged to participate in/organize seminars, workshops and training programmes.
- They are free to utilize the internet facility of the college.
- All the teachers are provided training in computer education.
- The management makes necessary arrangements to make the non-teaching staff computer-literates.
- The non-teaching staff are encouraged to appear for various competitive examinations held by TNPSC.
- The non-teaching staff are supported to pursue higher studies.
- Necessary steps are taken to make all our staff members conversant with the use of “google apps”.
- Priority is given to Ph.D., degree holders in matters of deputation to CII programmes.



**“Teaching a Noble Profession”  
By R. Krishnamurthi  
(03.05.2012)**



**“Information and  
Communication Technology” By  
Dr.S.Senthilnathan (01.06.2012)**



**“Effective Teaching” by  
Dr.K.Rathinasabapathi  
(02.06.2012)**



**“Class Room Management and  
Student Psychology” by  
Dr.B.Selvaraj (04.06.2013)**



**“Teacher within” by Dr.K.Mani  
(05.06.2013)**

### Gender Auditing

- As an institution with a higher percentage of women faculty and girl students, many aspects related to gender are duly considered and appropriate practices have been implemented in the day to day routine of the institution.
- A separate and deliberate exercise of gender auditing has not been done so far. However women’s forum and anti sexual harassment and gender violation cell are functioning in the campus.
- More over the Dean-Student Affairs represents all the women in the campus and reflects their views, opinions and concerns for appropriate action.

**Table 6.3**  
**Percentage of Women Working in Our Institution**

S.No	Designation	Percentage
1	Dean-Student Affairs	-
2	HOD's	29
3	Staff	55
4	Co-ordinators	21
5	Librarian	50
6	Technical Staff	30
7	Non-Teaching staff	31

**Table 6.4**  
**Percentage of Women Student Enrollment in Our Institution**  
**2013-14**

Students	Percentage
Women Students	53

#### 6.4 Financial Management and Resource Mobilization

##### Budgetary Provisions for Academic and Administrative Activities

- Even before the reopening of the college after summer vacation, the first important duty of a HOD is to plan the activities for the next academic year based on which a budget is prepared and submitted to the Principal's office.
- The IQAC collects the budgets from all the departments and prepares a consolidated statement.
- Each budget is subjected to meticulous analysis and evaluation by the IQAC, the Principal as well as the management.
- Using his discretion, the Principal makes certain corrections, alterations and modifications before giving his approval. The approved statement is forwarded to the Management for sanction.
- While preparing the budget, provisions are made for the following:
  - Salary for staff
  - Purchase of laboratory equipments/ chemicals etc.,
  - Books for the library
  - Funds for organizing seminars, workshops, training programmes, invited lecture, industrial visits etc.
  - IT requirements
  - Stationery for the office and staff
  - Games and sports articles
  - Maintenance works
  - Miscellaneous expenditure

#### **Optimal Utilization of Budget**

- All the HODs are instructed to take utmost care in preparing the indent for the year.
- All the precautions are taken to purchase what are absolutely necessary. The quantity of the purchase of a product is based on the real need of the curriculum.
- Strict conservation measures with regard to the use of resources are the tradition of the college.
- Therefore, utmost care is taken to avoid wasteful use of paper, chemicals, sanitary items etc.
- This approach ensures that optimal utilization is strictly adhered to by the institution.

#### **Internal Audit of Financial Management Practices**

- Auditing is an important process carried out periodically every year
- An Internal auditor is in service validating the operational and the accounting information.
- He is entrusted with the responsibility of auditing all the receipts and payments and reports the same to the Management.
- Any discrepancy in financial transactions is brought to light and the attention of the Principal is drawn to it.
- This reporting practice has enabled the Management to review the financial statements periodically and thereby makes financial policies, approves financial transactions and ensures timely compliance to statutory agencies.

#### **Institution Reserve and Corpus Fund**

- The Trust has been maintaining the reserves generated out of the surplus created by the institution.
- The trust also has Corpus fund generated out of the contributions given by the Management and others.

#### **Internal and External Audits**

- The financial transactions of our college are audited both by the internal and external auditors.
- There is a team of Internal Auditors from M/s Avant Garde Consultancy Services who periodically verify the accuracy of the financial and operational transactions with the records / documents and data captured in all the computerized environment.
- They are also responsible for guiding and monitoring the internal control systems to ensure that the assets of the institution are properly safeguarded and protected by its users.

- Where required, the team with the accounting team interacts with external agencies like the bankers, credit rating agencies and other external agencies involved in the financial aspects of the institution.
- With regard to external auditing, CA R.R. Rajkumar has been appointed as the auditor for the Trust as a whole.
- He certifies the financials on a yearly basis and guides the institution in aspects of financial, legal and statutory compliance relating to the Income Tax and other statutory laws.
- In addition, a team, belonging to “Avant Garde Consultancy Services”, Chennai, carries out periodical auditing.

### Initiatives for Mobilization of Resources

- Fee collection is the major source of resource mobilization for our college.

## 6.5 Internal Quality Assurance System

### Academic Audit of the Departments

The IQAC is an authorized body for planning, guiding, monitoring, assuring and enhancing quality in all the activities of the institution. It channelizes and systematizes the efforts and measures of an institution towards academic excellence. It is a prime facilitative organ of the institution.

- The first duty of the IQAC is to prepare an academic calendar as a guide for all the academic activities.
- At the beginning of the year, the IQAC persuades all the HODs to prepare syllabus schedule.
- The IQAC makes an assessment of various requirements (teaching aids, stationeries, chemicals, equipments etc.).
- IQAC serves as a watch dog with regard to the completion of the syllabi by the departments and conduct of examinations.
- It makes a thorough scrutiny of the results of various examinations based on which it provides suggestions and guidelines to improve the students' performance.
- IQAC tries to identify the genuine grievances, problems, difficulties, faced by the students by collecting feedback and initiates appropriate measures to remove them
- IQAC persuades departments to organize various programmes (invited lectures, seminars, training programmes, workshops etc.).

### Quality Management and Enhancement Systems

- The institution has an Internal Quality Assurance Cell (IQAC).
- The IQAC's prime duty is to maintain a high level of academic performance.

## Criterion-VI: Governance, Leadership and Management

- It offers ways and means to enhance the academic performance of each department.
- There are many cells (CDC, academic audit committee, cultural club etc) which bestow attention to quality.
- The Principal, assisted by the HODs, have always an eye on the quality management and enhancement.
- Many value added programmes are conducted with a view to enhance the quality.
- Examination results, feedback from stakeholders and the number of placements provide clues as to the quality.

### Reviews of Teaching-Learning Process, Structure, Methodologies of Operations and Learning Outcomes

- The IQAC makes a detailed review of teaching-learning process, structure, methodologies of operations and learning outcomes at regular intervals.
- Immediately after the publication of results by Periyar University, the IQAC makes a detailed result analysis to assess the learning outcome. Shortcomings identified during the review are brought to the knowledge of the concerned for taking corrective steps.
- The teachers have to submit “work plan” at the beginning of the semester.
- How and whether the “work plan” is implemented according to the time schedule is monitored by the respective HODs and then by the Principal.
- The Principal conducts HODs meetings periodically to assess the progress made in academic matters and minutes of the meetings are reviewed and registered.
- Any deficiency noticed is redressed by the Principal by offering suitable suggestions.
- Mid-semester and end of semester examinations are conducted systematically and the results are reviewed with utmost care to identify lacuna /deficiency.
- For proper and intact maintenance of the notes, essays and reading/reference materials prepared by a staff member, each staff member is provided with a box file by the management.
- Dereliction of duty on the part of teachers is viewed seriously.

### Role of IQAC in Institutionalizing Quality Assurance Strategies and Processes

- The most important objective of IQAC is to maintain high quality with regard to all academic processes of the college. To fulfill this objective, it offers valuable suggestions to the Principal and the Management.



## Criterion-VI: Governance, Leadership and Management

- The IQAC plans innovative practices to be introduced in the teaching learning process to enhance quality.
- The IQAC is totally involved in the preparation of self study report to be submitted to the NAAC.
- The IQAC collects, studies and scrutinizes the information regarding the departmental activities and action plans so as to make a meaningful assessment with respect to quality.
- Motivating the departments to impart quality based sound education by following the best practices and the latest methodologies.
- The IQAC brings out the college news letter and the sports news letter.
- The IQAC was fully involved in applying to the UGC for approval under sections 2(f) & 12(B).
- The IQAC has suggested to the departments to undertake community service programmes.
- The IQAC encourages staff members to pursue research to become qualified for M. Phil/ Ph. D. degrees.
- The IQAC motivates the faculty to prepare appropriate projects on local problems and submit the same to the funding agencies for financial assistance.
- The IQAC has been instrumental in setting up 45 cells/clubs in the institution.
- The IQAC maintains the complete profile for all the students, the teaching staff and the non-teaching staff.
- The IQAC assists the Principal in his selection of best performers in various academic activities for the purpose of honoring them.
- The IQAC renders help in the preparation of annual budget for all the departments.

### Contributions of the External Members of IQAC

- The three external members of IQAC are from different backgrounds (Academic, Finance and Auditing and Management Consulting respectively) helpful in strengthening the IQAC and in contributing to the holistic development of the institution.
- The external members of IQAC periodically visit the institution and suggest ways and means to maintain high quality at all levels.
- Their co-operation and support are freely available in fulfilling the objectives of IQAC.

### Autonomy to Academic Departments

- The Principal is autonomous enough to discharge his academic responsibilities.

## Criterion-VI: Governance, Leadership and Management

- HODs and the staff are at their liberty to handle /tackle issues without leading to any complexity.
- The Principal and HODs always apply democratic scales to invite constructive suggestions from the staff and the staff also feel comfortable to express their views.
- With regard to the conduct of affairs of each department (conduct of model exams, industrial visits, conduct of guest lectures, workshops, seminars etc.,) the HOD is empowered to take a final decision in consultation with fellow teachers.
- In taking important decisions with regard to academic affairs, the Principal always has consultations with respective HODs.
- Many teachers are given special assignment. They are “in-charge” for discipline maintenance in campus, attendance, campus cleanliness etc.
- Work load/ subject allotment is decided by department.
- In-plant training, project work, mini project are decided by Students and staff and final decision is taken by the HODs.
- Periodical department wise meeting by HODs help to strengthen the class monitoring and activity implementation.

# Criterion-VII

Innovations and Best Practices

## CRITERIA-VII: INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

The institution has a keen eye on maintaining an environment-friendly atmosphere in the campus. It accelerates practices to accomplish a pleasant ambience by taking several initiatives like installing rain water harvesting, water re-cycling plants, etc.

The institution always gets geared to promote an ambience of creativity, innovation and improving quality. The institution adopts practices leading to improvement and having visible impact on the quality of the institutional provisions.

#### Green Audit

- The Management and the Principal insist all faculty, students and staff to resort to eco-friendly practices and strive to make the campus more eco-friendly.
- The Management instructs and monitors the employees to be economic in consumption of diesel, petrol, LPG, power, water and wood by which they can strengthen the eco-friendly environment in the campus.

#### Promotion of Eco-Friendly Campus

- The following initiatives have been taken to make the campus eco-friendly.

#### Energy Conservation

- Water recycling plant has been commissioned.
- Steam cooking at the hostels is in practice.
- CF Lamps are used at appropriate places.
- Display boards have been fixed at vantage points pleading to save water and energy.
- Communication within the campus is done through e-mail resulting in a significant reduction in the usage of paper.
- Feedback from students, staff and alumni are collected in electronic form.
- All are instructed to use both sides of the paper while writing or typing including question papers.
- Communication is periodically sent by the Principal to instill a sense of conservation of resources such as power, water and paper in the minds of all stakeholders.
- Instructions are strictly given to all to avoid wasteful use of resources.
- e-notes are uploaded with a view to reduce the use of paper.

## Criterion-VII: Innovations and Best Practices

- The drivers are offered some “special training programmes” to adopt better practices to save fuel.
- The best “fuel-savers” among the drivers are duly honoured and awarded.
- The wastages in the hostels are amounted and brought to the notice of the students to create an awareness about wastage.



Recycling Waste Water Treatment Plant



Training programme for drivers

### Use of Renewable Energy

- Proposal to set up bio-gas plants based on mess and canteen wastes.
- Proposal to install solar water heaters at the college and at the hostels.

### Water Harvesting

- Rain water harvesting tanks have been constructed.
- Recycling of waste water is in practice.
- Creating awareness regarding saving of water.

### Check Dam Construction

- The college campus and the surroundings stand on an even ground. Therefore, the feasibility of constructing check dams is not very bright.

### Efforts for Carbon Neutrality

- Utilizing NSS volunteers in planting of tree saplings so as to enhance the green coverage at the college campus.
- Motivating students to use bicycles rather than automobiles for transport.
- Providing a fleet of 59 buses to students at subsidized fares thus minimizing the usage of fuels in two wheeler automobiles individually.
- Utilizing organic wastes for composting instead of burning.



### Planting trees by NSS

#### Plantation

- Creating awareness among students about plantation.
- Efforts to increase the green coverage of the campus.
- Supply of saplings to certain neighboring villagers.
- Planting of saplings in schools, hospitals, public places of neighboring villages during NSS special camp.

#### Hazardous Waste Management

- Small amount of hazardous waste materials accumulated in the science laboratories are disposed of as per the standard procedure.

#### e-Waste Management

- e-waste management is carried out by handing over the waste to the original supplier.

## 7.2 Innovations

### Innovations in Curriculum Development

- University curriculum is enriched by the conduct of 30 certificate courses. This facilitates students to acquire skills in hardware, tailoring, car driving, cooking and bakery, microbial techniques etc.
- Development and deployment of a MCAS e-feedback system facilitating error free collection and results with an automated analysis and instantaneous Management Information System (MIS) / graphical reports.
- To provide training to all students and teachers in basic computer education.
- Availability of a hi-tech English Communication Laboratory.
- MOUs with relevant concerns to improve his/her professional competence.
- Efforts to ensure the holistic and all-round development of students.

### **Innovation in Teaching-Learning and Evaluation**

- Use of modern aids such as OHPs, charts, models, CDs, LCDs etc., in teaching.
- Setting question papers containing questions testing the intelligence, presence of mind, wisdom and innovative nature of students.
- Conducting online examinations atleast in certain papers.
- Encouraging students to conduct certain classes on assigned topics with a view to make them “student faculty” which is unique in MCAS.
- Creating opportunities for students to self learning, group learning and peer learning.
- Using syllabus schedule and evaluation tracker.

### **Innovations in Research, Consultancy and Extension**

- The consultancy and research cell functions in the college.
- A research journal titled “MCAS Journal of Research” has been published by the institution.
- A modern animal house and a green house are the latest additions.
- This institution is the first among the colleges affiliated to Periyar University to obtain ethical clearance from the Ministry of Environment and Forests (Reg.No.1416/a/11/CPCSEA).
- Students are instructed to undertake research on local problems connected with some of the flourishing industries in Namakkal district.
- Expertise is available for tissue culture, mushroom culture, vermi composting and bee keeping.
- Presence of an ultra modern Biotechnology laboratory facilitates the students to do research in tissue culture.
- Special incentives are offered to the researchers by the Management.

### **Innovations in Infrastructure and Learning Resource**

- Easy, economical and comfortable transport services are provided to the students and the staff by operating a fleet of 59 buses.
- Internet facility is available.
- The college library shelves reference books, scientific journals, e-books and e-journals to facilitate the researchers and students.
- A state-of-the-art canteen inside the college campus has been recently established.

### **Innovations in Student Support and Progression**

- The staff take hectic efforts to make the students successfully complete the course within the study period.
- An additional one hour schedule (6<sup>th</sup>hour) is added to the regular scheme of 5 hours to conduct certificate courses, Value Added

Courses, Professional Courses like ICWAI, training programmes, computer education, coaching classes for weaker sections of the student community.

- Rest of the students who don't opt for value added courses are prepared to face confidently various competitive examinations such as SLET, NET , MAT, CAT,TNPSC,UGC etc.,
- Varied career guidance programmes are conducted.
- A placement cell functions in the college that helps quite a good number of students to be placed in lucrative positions every year.

### **Innovations in Governance, Leadership and Management**

- Liberty to students and staff to freely express their opinions, grievances and difficulties
- Suggestion boxes fixed at important places in the college
- Redressal of grievances and implementation of good suggestions
- Total elimination of the menace of ragging in the college and the hostels
- Major roles for the students in organizing various academic programmes, celebrations, functions and extracurricular and co-curricular activities
- A conscious and committed management ensuring democratic and participative approach at all levels

## **7.3 Best Practices**

### **I. Title of the Practice-SURFIT**

The title itself is a shortened form of “survival of the fittest”. Today's world is very highly competitive and unless a person is multi-skilled and knowledgeable, life will be miserable. Darwin's concept of “survival of the fittest” is more appropriate in the present day context than on other occasions. MCAS tries to mould a student to be the fittest person by equipping him/her with skills which are relevant to the current needs and hence the title “SURFIT”.

#### **i. Goal**

- To improve the general knowledge and IQ of the students.
- To improve his/her language competency-particularly his/her fluency in English.
- To mould him/her to be a multi-skilled personality capable of facing various challenges and difficulties confronting him/her in life.
- To prepare him/her to face varied competitive examinations conducted by state/central government, banks and other private agencies (TNPSC,UPSC, SLET, NET,MAT, TRB examinations etc.,).
- To teach the student to attain basic computer knowledge.



### **ii. The Context**

- Students of MCAS mostly belong to rural areas lacking many facilities and advantages available in big cities.
- They are economically poor and they have their primary education at rural schools.
- Tamil is the medium of instruction adopted in schools upto higher secondary level.
- When they pursue higher studies in colleges, they have to shift on to English as the medium of instruction.
- Since they belong to average or below average categories, they find English as a big hurdle.
- Hence concrete steps must be taken to help them to overcome the obstacle and convert him/her into a fittest personality to face any challenge.

### **iii. The Practice**

- At MCAS, the teachers work six hours daily, instead of the conventional five hours.
- This additional one hour is utilized to achieve the goals enumerated above.
- All certificate courses, value added courses and co-curricular programmes are conducted during the sixth hour. Realizing the importance of computer education, all the students, staff members and employees are provided opportunities to learn computer skills.
- Using the expertise available at the college, students are encouraged to acquire skills in tailoring, cooking and bakery, network, hardware, techniques followed in clinical laboratories (CMLT), Car-driving etc. The sixth hour provides the teachers additional time to teach and coach slow learners in various subjects and also to conduct tests.
- All these exercises, no doubt, will certainly lead to the emergence of very skillful, knowledgeable and wise students who are the fittest to live in this challenging world.

### **iv. Evidence of Success**

- A number of students of MCAS get recruited in corporate sectors through on-campus or off-campus interviews. In 2013 -2014, 246 students got placed.
- At the inter-collegiate competitions, students of MCAS always get medals and awards. And they have won overall championship in some of the events.
- Students of MCAS possess a very good computer knowledge and are capable of e-mail communication and on-line examinations which is a rare facility to the rural students.

- Feedback obtained from students speaks volumes of the usefulness and success of these programmes.

#### **v. Problems Encountered and Resources Required**

- Conducting classes during the additional sixth hour adds to the burden of both the students and the staff.
- When a large number of students would like to attend a particular programme, it becomes difficult to provide suitable and convenient accommodation.
- To conduct certain programmes, specialists/experts are to be invited from outside which entails expenditure to be incurred by the management.

### **II. Title of the Practice – IT ADMIN**

IT ADMIN stands for IT based administration meaning thereby that administration is carried out using information technology methods.

#### **i. Goal**

- To save time, energy, expenditure and man power.
- To make available any information required at any time anywhere on the spur of the moment.
- To minimize the use of paper, thereby contributing to green environment.
- To gather error-free information.
- To ensure efficient and able administration.

#### **ii. The Context**

- At MCAS, the strength of the student mass accounts to nearly 4500 and the strength of staff members is 209.
- Non-teaching staff comprises 84 members. Bio-data of such a large number of people have to be maintained manually.
- As far as the student is concerned, his/her bio data, attendance particulars, performance in academic aspects etc., have to be maintained.
- With regard to faculty members, bio-data with educational qualifications, subjects and classes handled, results achieved have to be maintained. Financial management is a great task.
- Before automation, all these activities were carried out manually involving more man power and it was time consuming.
- Besides, it caused great anxiety, stress and strain on the part of the employees concerned.
- Automation is not only a cost-effective method but it saves enormous time and expenditure and ensures easy and efficient administration.

- Therefore, automation was introduced 3 years ago and today affairs at MCAS are made easier, more effective, more efficient and cost-effective.

### iii. Practice

- The complete bio-data of all the 4500 students are maintained. Information and other relevant data starting from the day of admission to the date of completion of his/her study are fed into the computers.
- The data include the percentage of attendance earned by the student in each semester, marks scored by him/her in each subject and in each paper, his/her conduct and behavior, fee payment, achievements and punishments, if any, besides personal details .
- Likewise, details about educational qualifications of a teacher, subject taught, time table, asset management, percentage of passes achieved in each semester, leave enjoyed, salary paid, experience gained are computerized.
- All financial details of the college are computerized. The Principal sends all his communications using e-mail facility. Correspondence with the university, UGC, Govt. departments etc., is done through on-line communication.
- Automation enables the department heads to submit absentee's statement of students daily to the Principal within one hour after the commencement of the classes.
- Marking of attendance with regard to all employees is done through bio-metric method.
- Therefore, the whereabouts of a teacher is known, the moment it is wanted. During 2012-2013, feedback from all the final year students was collected through online.

### iv. Evidence of Success

- Formerly, the office personnel and the teachers had to stay at the college for a long time. Sometimes they had to stay back to complete certain official work. Now they could complete the work easily within the working hours and return home soon after office hours.
- All the information connected with all the sixteen departments are available at IQAC. So, data or information can be obtained from IQAC without disturbing any of the HODs.
- When affairs were handled manually, office personnel and teachers were filled with stress and tension. After automation, they feel relaxed and composed.
- Various documents viz. Attendance Certificates, Transfer Certificates, Conduct Certificates etc., are immediately provided to the students without any delay.
- Any document required by the teacher is also immediately provided.

- Automation has resulted in best management of time and resources.
- The expenditure involved in the purchase of paper is less, compared to the yester years when manual operation was in vogue.

#### V. Problems Encountered and Resources Required

- Automation entailed enormous expenditure during the initial period.
- Persons concerned have to learn the IT techniques before using it.
- Therefore, training programmes have to be organized for them.
- Annual maintenance charges have to be paid to the software industry.
- Automation requires the use of the latest generation of computers to be effective.
- Automation results in saving of expenditure and therefore the management stands to gain. Hence the management has no hesitation to meet the necessary expenditure.

#### CONCLUSION

MCAS has carved out a niche for itself in the academic field. It was established in 1994 with the noble objective of taking value based higher education to the door steps of poor rural youth. MCAS enjoys ever committed and quality conscious Management, enthusiastic and enterprising faculty, promising and progressive student community, excellent and enriched curriculum and state-of-the-art infrastructure, efficacious and enchanting academic ambience and, above all, an enviable track record of achievements in various fields. MCAS is a vibrant institution striving for academic excellence in the field of higher education. We are confident that accreditation by NAAC would accord due recognition for all our endeavors which will add a feather to the cap of fame and glory of this institution.

#### 8. Contact Details

<b>Name of the Principal</b>	<b>Dr. R. Selvakumaran</b>
<b>Name of the Institution</b>	<b>Muthayammal College of Arts &amp; Science</b>
<b>City</b>	Rasipuram, Namakkal Dt.
<b>Pin code</b>	637 408
<b>Accredited Status</b>	Nil
<b>Work Phone</b>	04287-222137 / 04287-226763
<b>Website</b>	www.muthayammal.in
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# Evaluative Report of the Department

Department of Biochemistry

**Evaluative Report of the Department**

1. **Name of the Department** : BIOCHEMISTRY
2. **Year of Establishment** : 1994
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.)**

S.No	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Biochemistry	1994	50
2	M.Sc., Biochemistry	1998	40
3	M.Sc., Medical Biochemistry	2007	40
4	M. Phil., Biochemistry	2004	20
5	Ph. D., Biochemistry	2005	16

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

5. **Annual/ Semester/Choice Based Credit System (programme wise)** :

S.No.	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Biochemistry	Semester & CBCS
2	M.Sc., Biochemistry	Semester & CBCS
3	M.Sc., Medical Biochemistry	Semester & CBCS
4	M. Phil., Biochemistry	Semester & CBCS

6. **Participation of the Department in the Courses offered by other Departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-13	2013-14	
II B.SC Biochemistry	NMEC I & II	Food Chemistry	17	07	15	Chemistry
		Medicinal Chemistry	17	07	15	Chemistry
I M.Sc., Biochemistry & I M.Sc Medical Biochemistry	EDC	Medical Laboratory Techniques	17	-	-	Microbiology
		Microbial Technology	-	12	20	Microbiology

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**8. Details of courses/programmes discontinued (if any) with reasons :** Nil

**9. Number of Teaching Posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	05	05
Asst. Professors	02	02

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided for the last 4 years
Dr. T. Rajan	M.Sc., M. Phil., Ph.D	Asso. Prof. & Head	Plant Therapeutics and Medicinal Plants	13	Nil
Mr. S. P. Vijeji Kumar	M.Sc.,	Asso. Prof.	Clinical Studies	15	Nil
Dr. M. Shabana Begum	M.Sc., M. Phil., Ph.D	Asso. Prof.	Phytochemistry & Pharmacology	12	Nil
Dr. G. Kanchana	M.Sc., M. Phil., Ph. D., B.Ed	Asso. Prof.	Medicinal Plants & Animal Nutrition	11	Nil
Mr. V. Thailappan	M.Sc., M. Phil., B.Ed	Asso. Prof.	Moleculatr Studies	08	Nil
Dr. M. Devi	M.Sc., M. Phil., Ph. D.,	Asst. Prof.	Medicinal Plants & Pharmacology	01	Nil
Ms. M. Priyadharsini	M.Sc., M. Phil.,	Asst. Prof.	Nanotechnology	01	Nil

**11. List of senior visiting faculty:** Nil

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Biochemistry	5:1
M.Sc., Biochemistry	1:1
M.Sc., Medical Biochemistry	4:1
M. Phil., Biochemistry	5:1
Ph. D., Biochemistry	3:1

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

Laboratory Assistant : 01 (Sanctioned: 01)

Laboratory Attender: 01 (Sanctioned: 01)

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil/ PG. : vide answer for question 10**

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

Name of the Faculty/ Project	Title of the Project	Funding Agency	Grants Received (Rs. in Lakhs)
Dr. M. Shabana Begum	Socio Economic Upliftment Of People Living In Kolli Hills Through Inputs Of Science And Technology	TNSCST Chennai	2.74

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

**18. Research Centre /facility recognized by the University:**

- Department of Biochemistry has got the status of Research centre in Biochemistry in 2005 (M. Phil) and 2006 (Ph. D) affiliated to Periyar University, Salem
- Dr. G. Kanchana and Dr. M. Shabana Begum are approved Research Guides for Ph. D under Periyar University, Salem

**19. Publications:**

a) Publication per faculty

Number of papers published in peer reviewed journals (National/International) by faculty and students



S.No	Name of the Staff	Number of Publications	
		National	International
1.	Dr. T. Rajan	02	05
2.	Dr. G. Kanchana	-	14
3.	Dr. M. Shabana Begum	04	03
5	Dr. M. Devi	-	04
S.No	Name of the Student	Number of Publications	
		National	International
1	W. K. Jerine Shyni	-	04
2	P. Malini	-	04
3	P. Karthika	-	02
4	C. Samundeeswari	-	01
5	K. Ponvinobala	-	02
6	J. P. Dyana	-	01

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN  
Numbers with Details  
of Publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : 02
- h-index : Nil

## 20. Areas of consultancy and income generated:

Research scholars from various colleges used our animal house to maintain their experimental rats for their research work after getting ethical clearance through proper channels for which they paid.

S.No	Name of the Candidate	University / College	Amount (Rs.)
1	Mr. V. Ramasubramanian	Govt Arts College, Kumbakonam	7500
2	Mr. R. Rajasekar	Rajah Serfoji Govt College, Thanjavur	5000
3	Mr. M. Janakiraman	Rajah Serfoji Govt College, Thanjavur	5000

## 21. Faculty as members in

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

## 22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 70.6%

b) Percentage of students placed for projects in organizations Outside the institution i.e.in Research laboratories/Industry/ Other agencies: 29.4%

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

S.No	Name of the Faculty	Awards
1	Dr. M. Shabana Begum	Fellow award 2012 by Society for Applied Biotechnology
2	Dr. G. Kanchana	Fellow award 2012 by Society for Applied Biotechnology

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. M. P. Saravanan Associate Professor KAPV Government Hospital Trichy	14/08/2009	Dr.V.Ravi kumar Assistant Professor, Department of Biochemistry Bharathidhasan University, Trichy	13.02.2010
Dr. K. Kalai Selvi Assistant Professor Department of Biochemistry Avinashilingam University Coimbatore	20.01.2010	Dr. R. Selvam Assistant Professor, Department of Molecular Biology, Bishopheber College, Trichy	06.10.2010
Dr. S. Niranjali Devaraj Professor & Head Department of Biochemistry University of Madras, Chennai	12.02.2010	Dr. R. Rajagopal Scientist, Virginia Commonwealth University, Richmond, USA	10.06.2011
Dr. B. Kadalmani Assistant Professor Department of Animal Science Bharathidhasan University Trichy	12.02.2010	Dr. Chandra Sekhar Korapala Senior Principal Investigator, Syngene International Limited - Bangalore	06.10.2012

Dr. T. Palvannan Assistant Professor Department of Biochemistry Periyar University, Salem	13.02.2010	Dr T. Parimelazhan, Associate Professor, Dept of Botany, Bharathiar University- Coimbatore	25.09.2013
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## 25. Seminars/ Conferences/Workshops organized & the source of funding

a) National    b) International

Event	Date	No.of Participants	Resource Person	Amount (Rs.) Sanctioned by TNSCST
Two Day Awareness Programme On Stress Management Among School Students In And Around Namakkal (Dt)	11.10.2011 & 12.10.2011	500 School Students	Mr. J. Deenadhayalan & Mrs. Ka. Agalya	20,000
In service training programme for secondary grade science teachers in Namakkal district	15.10.2012 to 19.10.2012	60 secondary grade school teachers	Professors of Various Dept of MCAS	1,00,000

## 26. Student profile programme/course wise:

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc., Biochemistry	2008-2011	10	10	03	07	100
	2009-2012	12	12	07	05	83
	2010-2013	17	17	04	13	88
	2011-2014	07	07	05	02	85.7
M.Sc., Biochemistry	2008-2010	14	14	08	06	92.85
	2009-2011	21	21	05	16	90.5
	2010-2012	19	19	14	05	68.4
	2011-2013	10	10	3	07	90
	2012-2014	07	07	02	05	71.4
M.Sc., Medical Biochemistry	2008-2010	21	21	12	09	95.2
	2009-2011	16	16	10	06	87.5

	2010-2012	06	06	03	03	83.3
	2011-2013	07	07	01	06	86
	2012-2014	04	04	02	02	75
M. Phil., Biochemistry	2009-2010	13	13	6	7	83.3
	2010-2011	14	14	-	14	92.85
	2011-2012	10	10	03	07	60
	2012-2013	15	15	05	10	53.33

### 27. Diversity of Students

Name of the Course	Year	% Of Students From The Same State	% Of Students From other States	% Of Students From Abroad
B.Sc., Biochemistry	2010-2013	100	Nil	Nil
	2011-2014	100	Nil	Nil
	2012-2015	100	Nil	Nil
	2013-2016	100	Nil	Nil
M.Sc., Biochemistry	2010-2012	84	16	Nil
	2011-2013	100	Nil	Nil
	2012-2014	100	Nil	Nil
	2013-2015	Nil	Nil	Nil
M.Sc., Medical Biochemistry	2010-2012	33	50	17
	2011-2013	86	Nil	14
	2012-2014	Nil	20	80
	2013-2015	80	20	Nil
M. Phil., Biochemistry	2009-2010	100	Nil	Nil
	2010-2011	100	Nil	Nil
	2011-2012	90	10	Nil
	2012-2013	100	Nil	Nil

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

## 29. Student Progression

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
UG to PG	58.3	70	60	25	41
PG to M. Phil	07	--	19.05	16	30
PG Medical Biochemistry to M. Phil	--	05	--	--	--
PG Medical Biochemistry to Ph. D	20	05	--	--	--
M. Phil to Ph. D	--	--	--	07	--
Ph. D to Post-Doctoral	--	--	--	--	--
<b>Employed</b>					
• Campus selection	--	--	--	16	29
• Other than campus recruitment	--	--	11	--	5.8
Entrepreneurship/Self-Employment	--	--	--	--	--

## 30. Details of Infrastructural facilities

a) **Library** : General Library

No. of Titles : 0882  
 No. of Volumes : 1235  
 No. of Journals : 0010

b) **Internet facilities for Staff & Students:**

- Department is equipped with 2 computers with internet facility
- Free internet facility is available to the students at Internet Lab

c) **Class rooms with ICT facility:**

- One common audio- video hall is available in our block

d) **Laboratories:** 02

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

45 students received fee concession from the Management during the period 2008-2013

**32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	National Seminars
Biochemistry	06	-	11

**33. Teaching methods adopted to improve student learning**

- Brainstorming sessions are conducted to all the UG students.
- Projects are assigned to enhance their interest in research.
- The students are taken on field visits to the places related to their curriculum (hospitals and medicinal gardens).
- PG students are encouraged to undertake projects related to their subjects.
- Students are taught through power point presentations.
- They are encouraged to visit the labs and research institutes.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**

**35. SWOC analysis of the department and Future plans**

**Strength**

- A highly job-oriented course.
- Qualified teachers with professional competencies.
- Securing University ranks every year.
- Members of the Staff often guide minor research projects funded by TNSCST, Chennai.
- Publishing articles in reputed journals.

**Weakness**

- Students strength in UG & PG programmes is not encouraging.
- 50% of Undergraduate students are from rural areas and slow learners in English and need special coaching.

### **Opportunities**

- More employment opportunities in medical fields.
- Students have employment opportunities as Research Assistants, Clinical Research Associates, Technical Writers, Biochemical Development Engineers and Biostatisticians etc.
- Fellowships and projects are available for the staff and research scholars.

### **Challenges**

- To frame a syllabus which ensures the student to meet the demands of the industries
- To create interest in students for research in biochemical field
- To provide skill based education to the students to meet the global demands

### **Future Plans**

- To transform the department as a centre for academic excellence.
- To collaborate with pioneering research institutes for upliftment of research capabilities of students.
- To sign MOU with industries to get placements.

# Evaluative Report of the Department

Department of Commerce



**Evaluative Report of the Department**

**1.Name of the Department** : COMMERCE

**2.Year of Establishment** : 1994

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

S.No	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Com.,	1994	70
2	B.Com CA.,	2001	210
3	M.Com CA.,	2002	40
4	M.Com.,	2003	46
5	M. Phil.,	2011	20
6.	Ph.D (Part – Time)	2014	12

**4. Interdisciplinary courses and departments involved - Nil**

**5. Annual/ semester/choice based credit system (Programme wise):**

S.No.	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Com.,	Semester& CBCS
2	B.Com CA.,	Semester& CBCS
3	M.Com CA.,	Semester & CBCS
4	M.Com .,	Semester & CBCS
5	M. Phil.,	Semester& CBCS

**6. Participation of the department in the courses offered by other departments**

S.No	Number of Courses	Course Code and Title	Number of Students		Department offering the Course
			2012-13	2013-14	
1	II B.Com.,	12UBMN01 Share Market Operations Semester _III 12UBMN02 Banking Practice Semester -IV	32	60	B.Com - Electronic Banking
2	II B.Com CA	12UBMN01 Share Market Operations Semester _III 12UBMN02 Banking Practice Semester -IV	172	127	B.Com - Electronic Banking

3	I M.Com	12PBAED1 Entrepreneurship Development	19	13	Management Studies
4	I M.Com CA	12PBAED1 Entrepreneurship Development	14	15	Management Studies

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**8. Details of courses/programmes discontinued (if any) with reasons:** Nil

**9. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst.Professors)**

Designation	Sanctioned	Filled
Professors	-	-
Asso. Professors	07	07
Asst. Professors	10	10

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./Ph.D./M.Phil., etc.)**

Name	Qualifications	Designation	Area of Specialization	Experience (inyears)	No.of Ph.D Students guided for the last 4 years
Dr. M. N. Periasamy	M.Com., M. Phil., B.Ed.,Ph.D.,	Asso. Prof. & Head	Accounting & Fiancé	16.1	-
Mr. S. Vijayarangan	M.Com., M.Ed., M. Phil.,	Asso. Prof.	Marketing, Management	12.1	-
Dr. R. Ramaabaanu	M.Com., M. Phil., M.Ed.,Ph.D.,	Asso. Prof.	Banking & Insurance	12.1	-
Dr. G. Thangapandi	M.Com., M. Phil., Ph.D.,	Asso. Prof.	Marketing, Management	11	-
Mr. M. Bose	M.Com., M. Phil.,	Asso. Prof.	Entrepreneur Development	8.11	-
Mrs. K.Poornima	M.Com., M. Phil.,	Asso. Prof.	Marketing, Management	8	-
Mr. Y. Shafee	M.Com., M. Phil.,	Asso. Prof.	Accounting&Fianances	14.3	-
Mrs. T. Pangajam	M.Com., M. Phil.,	Asst. Prof.	Accounting&CorporateLaws	5.9	-

## Evaluative Report of the Department

Ms. P. Indirani	M.Com CA., M. Phil.,	Asst.Prof.	Human Resource Management	5	-
Ms. S. Gomathi	M.Com., M. Phil.,	Asst. Prof.	Accounting&Fi nances	5.9	-
Mrs. K. Prema	M.Com., M. Phil.,	Asst. Prof.	Corporate Laws	7.10	-
Mr. G. Parthasarathi	M.Com., M. Phil.,	Asst. Prof.	Financial Management	2.11	-
Mr. R. Senkotuvel	M.Com CA., M. Phil.,	Asst. Prof.	Financial Management	2.10	-
Mr. S. Siva Kumar	M.Com., M. Phil.,	Asst. Prof.	Marketing, Management	1.11	-
Mrs. R. Prema	M.Com., M. Phil.,	Asst. Prof.	Financial Management	1.7	-
Mr. H. Raja Mohamad	M.Com., M. Phil.,	Asst. Prof.	Marketing, Management	2.11	-
Ms. K. JamunaPriyadharishini	M.Com., M. Phil.,	Asst. Prof.	Financial Management	1.1	-

**11. List of senior visiting faculty:** Nil

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

**13. Student –Teacher Ratio (programme wise)**

Programme	Student – Teacher Ratio
B.Com.,	33:1
B.Com CA.,	34:1
M.Com.,	09:1
M.Com CA.,	11:1
M. Phil.,	05:1
Ph D	02:1

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

Laboratory Assistant : Nil

Laboratory Attender : Nil

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M. Phil / PG:**

Vide answer for Question 10

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

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

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications:**

S.No.	Name of the Staff	Number of Publications	
		National	International
1	Dr. M. N. Periasamy	01	04
2	Dr. R. Ramaabaanu	04	02
3	Dr. G. Thangapandi	02	02
4	Mr. Y. Shafee	-	04
5	Mr. M. Bose	01	-

**Student Publications**

S.No	Name of the Student	Number of Publications	
		National	International
1	J.Prabha	01	-
2	M.Jeeva	01	-
3	T.Ponnienselvan	01	-
4	S.Elakkiya	-	01
5	K.Tamilselvi	-	01
6	J.Prabakaran	01	01
7	L.Jamuna	01	-
8	M.Saranya	01	-

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil

- Books with ISBN/  
ISSN Numbers with  
Details of Publisher : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated:Nil**

**21. Faculty as members in**

- a) National Committees :Nil
- b) International Committees :Nil
- c) Editorial Boards : Nil

**22. Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/programme: Nil**
- b) **Percentage of students placed for projects in organizations Outside the institution i.e.in Research laboratories/Industry/ Other agencies:Nil**

**23. Awards / Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists / visitors to the department:Nil**

**25. Seminars/ Conferences/Workshops organized & the source of funding**

- a) National b) International :Nil

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Com.,	2007-10	25	25	17	08	64
	2008-11	16	16	12	04	69
	2009-12	23	22	15	07	59
	2010-13	17	17	12	05	59
	2011-14	32	32	24	8	72
B.Com CA.,	2007-10	111	111	88	23	74
	2008-11	199	197	137	60	86

	2009-12	213	210	142	68	80
	2010-13	160	147	100	47	75
	2011-14	161	161	109	52	74
M.Com.,	2008-10	-	-	-	-	-
	2009-11	11	11	05	06	64
	2010-12	22	22	09	13	73
	2011-13	31	31	19	12	71
	2013-14	14	14	4	10	93
M.Com CA.,	2008-10	12	11	08	03	91
	2009-11	24	22	05	17	68
	2010-12	23	23	09	14	56
	2011-13	34	33	14	19	87
	2012-14	19	19	6	13	58
M.Phil., Commerce	2011-12	14	14	01	13	57
	2012-13	1	14	04	10	71
	2013-14	14	10	1	9	Awaiting for Results

**27. Diversity of students:**

Name of the Course	Batch	% of Students from the same State	% of Students from other States	% of Students from Abroad
B.Com CA.,	2010-11	96	04	-
	2011-12	96	03	01
	2012-13	97	02	01
	2013-14	98	02	Nil
	2014-15	99	01	Nil
B.Com.,	2010-11	100	Nil	Nil
	2011-12	100	Nil	Nil
	2012-13	97	Nil	03
	2013-14	97	03	Nil
	2014-15	100	Nil	Nil
M.Com.,	2010-11	100	Nil	Nil
	2011-12	100	Nil	Nil
	2012-13	100	Nil	Nil
	2013-14	100	Nil	Nil
M.Com CA.,	2010-11	100	Nil	Nil
	2011-12	100	Nil	Nil
	2012-13	100	Nil	Nil
	2013-14	100	Nil	Nil
M.Phil.,	2011-12	100	Nil	Nil
	2012-13	100	Nil	Nil

**28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Competitive Exam	Appeared	Qualified	Year
TNPSC	20	02	2011
Others (Police, TET, GATE)	15	02	2011

**29. Student progression**

Student Progression	Against % Enrolled						
	2008	2009	2010	2011	2012	2013	2014
B.Com.,	55	54	52	56	41	52	53
B.Com CA.,	46	38	39	48	43	44	46
M.Com.,	13	Nil	Nil	45	27	25	30
M.Com CA.,	Nil	9	9	5	17	20	22
<b>Employed</b> • Campus Selection • Other than campus recruitment	--	--	--	18	30	48	43
Entrepreneurship/Self-employment	--	--	--	--	--	--	--

**30. Details of Infrastructural facilities**

Library : Department Library  
 Books : 0250  
 Library : General Library  
 Books : 2270  
 Journals : 0008

**b) Internet facilities for Staff & Students:**

- Department is equipped with 3 computers (one with internet facility)
- Free internet facility is available to the students at Internet Lab

**c) Total No. of class rooms: 15**

**d) Class rooms with ICT facility:** One common audio- video hall is available in our block

**d) Laboratories:** Nil

**31. Number of students receiving financial assistance from college,**

**university, government or other agencies:**

Mode of Scholarship / Year	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Merit Scholarship	-	-	-	05	04	03
General Concession	-	05	15	05	04	03
Management Concession	01	01	02	08	03	01
Sports Concession	-	03	08	07	06	06
Old Student Concession	-	15	20	35	27	14
Govt. Scholarship	40	46	88	50	107	86
<b>Total</b>	<b>41</b>	<b>70</b>	<b>133</b>	<b>110</b>	<b>151</b>	<b>113</b>

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	State Level Seminars
Commerce	13	-	02

**33. Teaching methods adopted to improve student learning**

- Brainstorming sessions are conducted to all the UG students
- Projects are undertaken to enhance their interest in Research
- The students are taken on field visits to the places related to their curriculum
- PG students are encouraged to undertake projects related to their subjects
- Students are taught through power point presentations

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Nil**

**35. SWOC analysis of the department and Future plans:**

**Strength**

- Competent Faculty
- Offering value added courses.
- MOUs with ICWAI and TALLY
- Industry – Department linkage
- Offering consultancy services

**Weakness**

- Low IQ of students
- Unable to attract students from cities
- Commerce students face stiff competition from students of other disciplines



### **Opportunities**

- Undertaking major research projects
- Publications in international Journals
- Offering more consultancy services
- Introduction of new technologies (e-marketing, net-banking, commodity marketing etc.)

### **Challenges**

- More colleges offer commerce course
- Availability of this course in distance education and on online modes
- Easy availability of diploma/ certificate course in commerce

### **Future Plans**

- To undertake major projects with the help of funding Agencies
- Elevating department to a research centre offering Ph.D Programme
- To design and introduce innovative academic programmes
- Introduction of on-the-job training programmes

# Evaluative Report of the Department

Department of Computer Science (UG)

Evaluative Report of the Department

**1. Name of the Department** : UG COMPUTER SCIENCE

**2. Year of Establishment** : 1994

**3. Names of Programmes / Courses offered**

UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D., etc.)

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Computer Science	1994	250

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

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

S.No.	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Computer Science	Semester & CBCS

**6. Participation of the department in the courses offered by other departments**

Dept.	Number of Course	Course Code and Title	Number of Students		Department offering the Course
			2012-13	2013-14	
B.Sc., CS	NMEC-I	12UELN03 Cellular Phone Service	149	151	E&C
	NMEC-II	12UELN04 PC Hardware & Maintenance	149	151	E&C

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**8. Details of courses/programmes discontinued (if any) with reasons** : Nil

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	Nil
Associate Professors	2	2
Asst. Professors	11	11

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No.of Ph. D Students guided for the last 4 years
Mr. P. Subramaniam	M.S(IT&M)., M. Phil., B.Ed.,	Asst. Prof. & Head	DBMS	6.6	Nil
Mrs. M. Geetha	M.S (IT)., M. Phil.,	Asso. Prof.	Data Mining	9.1	Nil
Mrs. M. Sudha	M.Sc., M. Phil., B.Ed.,	Asso. Prof.	Mobile Computing	8.1	Nil
Mr. S. Gopalakrishnan	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Data Structure	6.1	Nil
Mrs. L. Kalaimani	M.C.A., M. Phil., B.Ed.,	Asst. Prof.	Computer Network	5.5	Nil
Mrs. N. Revathi	M.C.A., M. Phil (CS)., MA (YHE)., MBA., M. Phil(HR).,	Asst. Prof.	SAD	3	Nil
Ms. J. Gayathri	MCA	Asst. Prof.	DBMS	2.6	Nil
Mr. S. Manokarthick	M.Sc., B.Ed.,	Asst. Prof.	Computer Network	2	Nil
Mr. M. Sathishkumar	MCA.,	Asst. Prof.	Computer Graphics	2	Nil
Mr. R. Mohanraj	M.Sc., M. Phil.,	Asst. Prof.	Client Server	1.1	Nil
Mr. M. Krishnamoorthi	MCA., M. Phil.,	Asst.	Mobile Computing	1.1	Nil

		Prof.			
Ms. S. Bharathi	MCA., M. Phil	Asst. Prof.	Data Mining	0.11	Nil
Mr. J. Antony Daniel Rex	MCA., M. Phil	Asst. Prof.	Data Mining	0.1	Nil

**11. List of senior visiting faculty:** Nil

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Computer Science	38 : 1

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

Administrative Staff (System Admin) : 01  
 No of Lab Instructor : 04  
 No of Lab Attender : 02

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M. Phil / PG. :** Vide answer for Question 10

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

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

**18. Research Centre /facility recognized by the University:** Nil

**19. Publications:**

S.No.	Name of the Staff	Number of Publications	
		National	International
1.	Mr. P. Subramaniam	-	01
2.	Mrs. M. Geetha	-	04
3.	Mr. S. Gopalakrishnan	-	02

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN /ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated:**

- Computer training was provided to the Panchayat Presidents and secretaries belonging to Kolli Hills and Rasipuram areas

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

Students have developed e-content for the benefit of the institution

- Online attendance
- e-Notes
- Blogger
- e-Library
- Website Creation

**23. Awards / Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists / visitors to the Department:**

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. R. S. D. Wahidabanu Head/ECE, Govt. College of Engg., Salem.	23.09.2009	Dr. K. Somasundaram Head/Dept.of CS & CA, Gandhigram Rural University, Gandhigram	22.01.2011
Dr. T. Devi Associate Prof./MCA Department Bharathiyar University, Coimbatore	21.08.2010	Dr. R. M.Suresh Vice Principal, R.M.D Engineering College, Chennai	18.02.2012

**25. Seminars/ Conferences/Workshops organized & the source of funding**

- a) National : Nil  
 b) International : Nil

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass Percentage
				M	F	
B.Sc., Computer Science	2008-11	213	211	146	65	84
	2009-12	83	81	60	21	75
	2010-13	108	106	52	54	78
	2011-14	159	145	84	61	84

**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
B.Sc., Computer Science	2010-2013	100	-	-
	2011-2014	100	-	-
	2012-2015	99	01	-
	2013-2016	99	01	-
	2014-2017	100	-	-

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

**29. Student progression**

Student Progression	Against % Enrolled					
	2009	2010	2011	2012	2013	2014
UG to PG	11	07	07	17	21	22 (Till 11-7-14)
Employed						
• Campus selection	--	--	05	06	22	36
• Other than campus recruitment	--	--	20	30	35	15

**30. Details of Infrastructural facilities**

- a) **Library** : General Library
- No of Titles : 0678
- No of Volumes : 1558
- No of Journals : 0003

**b) Internet facilities for Staff & Students:**

- Department is equipped with one computer with internet facility (apart from the computers in the labs) which is utilized by all the staff members.
- Free internet facility is available to the students at internet lab and Network Resource Centre.

**c) Class rooms with ICT facility:**

- One common audio- video hall is available in our block

**d) Laboratories: 07**

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

13 students received fee concession from the Management during the period 2008-2013

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Department	Details of		
UG Computer Science	Special Lectures	Workshops	National Seminar
	02	02	08

**33. Teaching methods adopted to improve student learning**

- Introduction of certificate course such as Web Application Development
- e-content has been advanced for the benefit of students
- Conducting unit tests, weekly tests in each subject
- Conducting classes for students having arrears in examinations using fast learner students as student faculty
- Giving e-assignments to students

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**



### **35. SWOC analysis of the department and Future plans**

#### **Strength**

- Hard working faculty
- Innovative approach in all academic matters
- Systems of latest configuration in the laboratory
- Quality education and high standards
- Good counseling and advising

#### **Weakness**

- Poor communicability of the students

#### **Opportunities**

- Multiple job opportunities are available in various fields

#### **Challenges**

- To keep abreast with the latest developments in computer science has become very difficult.

#### **Future Plans**

- To publish a Research Journal
- To improve the students' quality by using co-curricular activities
- To implement new job oriented certificate courses
- To involve all final year students to do working and non-working models by using their creativity

# Evaluative Report of the Department

Department of Electronics & Communication

## Evaluative Report of the Department

**1. Name of the Department** : ELECTRONICS & COMMUNICATION

**2. Year of Establishment** : 1994

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

S.No	Name of the Programme	Year of Affiliation	Sanctioned Strength(2014)
1	B.Sc., Electronics & Communication	1994	50
2	M.Sc., Electronics & Communication	2005	40

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

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

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Electronics & Communication	Semester & CBCS
2	M.Sc., Electronics & Communication	Semester & CBCS

**6. Participation of the department in the courses offered by other departments** – Nil

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**8. Details of courses/programmes discontinued (if any) with reasons** : Nil

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	02	02
Asst. Professors	06	06

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided for the last 4 years
Mr. K. P. Shaji	M.Sc., M. Phil.,	Asso. Prof. & Head	Digital Electronics	12	Nil
Mr. Y. A. Syed Khadar	M.Sc., M. Phil.,	Asso. Prof.	Embedded Systems	08	Nil
Mr. S. Kannan	M.Sc.,	Asst. Prof.	Microprocessor	04	Nil
Mr. S. Arul Mani	M.Sc.,	Asst. Prof.	Microprocessor	02	Nil
Mrs. P. Vijayalakshmi	M.Sc., M. Phil.,	Asst. Prof.	VLSI design	01	Nil
Mrs. P. Saraswathi	M.Sc. M. Phil.,	Asst. Prof.	Electronic circuits	03	Nil
Mrs. A. Anugragha	M.Sc.,	Asst. Prof.	Electronic Instrumentation	02	Nil
Mr. S. Santhosh	M.Sc.,	Asst. Prof.	Microcontroller	04	Nil

**11. List of senior visiting faculty: Nil**

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Electronics & Communication	07:1
M.Sc., Electronics & Communication	04:1

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

Laboratory Assistant : 00 (Sanctioned: 00)  
 Laboratory Attender : 01 (Sanctioned: 01)

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG.:** Vide answer for question 10

**16. Number of faculty with ongoing projects from**

a) National b) International funding agencies and grants received : Nil  
**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil**

**18. Research Centre /facility recognized by the University:**

- Mr. K. P. Shaji and Mr. Y. A. Syed Khadar are approved Research Guides for M. Phil under Periyar University, Salem

**19. Publications:**

S.No	Name of the Staff	Number of Publications	
		National	International
1	Mr. K. P. Shaji	-	01
2	Mr. Y. A. Syed Khadar	-	01
3	Mr. S. Kannan	-	01

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor : 1.3
- H-index : Nil

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

- One of the Students exhibited his project in Science exhibition held at Periyar University and won the first prize
- Most of the students placed for projects in organizations like Research laboratories/Industry/ Other agencies

**23. Awards / Recognitions received by faculty and students: Nil**
**24. List of eminent academicians and scientists / visitors to the department:**

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. S. Gunasekaran Registrar Periyar University, Salem	05/02/2010	Dr. K. Porsezian, Professor, Department of Physics, Pondicherry University, Pondicherry	05/02/2011
Dr. G. Mohan Rao, Professor, IIS, Bangalore	03/02/2012		

**25 Seminars/ Conferences/Workshops organized & the source of funding**
**a) National b) International**

S.No	Dept	Event	Date
1.	Electronics and Communication	National Level Seminar(SPEC-2010) Recent Advances in Spectroscopy and Electronics	05/02/2010 & 06/02/2010

No.of Participants	Resource person	Source of funding/Amount (Rs.)
300	Dr. S. Gunasekaran , Registrar, Periyar University , Salem	CSIR- 20,000/

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Pass %
B.Sc., E&C	2008-2011	14	14	100
	2009-2012	18	18	100
	2010-2013	18	18	100
	2011-2014	11	11	64
M.Sc., E&C	2008-2010	08	08	100
	2009-2011	24	24	100
	2010-2012	19	19	100
	2011-2013	22	22	100
	2012-2014	1	1	100

**27. Diversity of Students**

Name of the Course	Year	% of students from the same State	% of students from other States	% of students from Abroad
B.Sc., E&C	2010-2013	100	0	0
	2011-2014	92	8	0
	2012-2015	85	0	15
	2013-2016	100	0	0
	2014-2017	100	0	0
M.Sc., E&C	2010-2012	99	1	0
	2011-2013	99	1	0
	2012-2014	100	0	0
	2013-2015	78	0	22

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

**29. Student progression**

Student Progression	Against % Enrolled			
	2010	2011	2012	2013
UG to PG	07	04	01	05
PG to M. Phil.	-	-	-	-
PG to Ph. D.	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-
Employed				
• Campus selection	01	02	05	
• Other than campus recruitment	-	-	-	
Entrepreneurs	08	06	06	05

**30. Details of Infrastructural facilities**

**a) Library** : General Library  
 No. of Titles : 442  
 No. of Volumes : 898  
 No. of Journals : 001

**b) Internet facilities for Staff & Students:**

- Department is equipped with 2 computers with internet facility
- Free internet facility is available to the students at internet lab

**c) Class rooms with ICT facility:**

- One common audio- video hall is available in our block

**d) Laboratories: 02**

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

25 students received fee concession from the Management during the period 2008-2013.

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	Seminars
E&C	06	02	04

**33. Teaching methods adopted to improve student learning**

- Brainstorming sessions are conducted to all the UG students
- Projects are included to enhance their interest in Research.
- The students are taken on Field visits to the places related to their curriculum
- PG students are encouraged to carry out projects related to their subjects
- Students are taught through power point presentations

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**

**35. SWOC analysis of the department and Future plans**

**Strength**

- Qualified teachers with professional competencies
- Securing university rank every year
- Academic linkage with Industries
- Publishing articles in reputed journals
- Organizing state/national level conferences (2008, 2010, 2011 & 2012)



### **Weakness**

- Student Strength in UG & PG Programmes is very less.
- Bulk of undergraduate students are from rural areas and are slow learners in English and need special coaching

### **Opportunities**

- Electronics & Communication is a profession oriented course and hence students can find placements easily
- Students have employment opportunities in various disciplines (R&D, service engineers, production engineers, software programmer etc )
- Opportunities in foreign countries
- Fellowships and Projects are available for the staff and Research Scholars

### **Challenges**

- It is practically impossible to frame the syllabus in tune with the rapid strides made in the field of electronics
- To create interest in students for research in Electronics field
- To provide skill based education to the students to meet the global demands

### **Future Plans**

- To elevate the department into a research center
- To establish tie-up with industries helping in students' placement
- To conduct international conferences and seminars
- To encourage our students to do their own projects
- To set up a well equipped programmable logic controller (PLC) lab

# Evaluative Report of the Department

Department of Tamil

**Evaluative Report of the Department**

- 1. Name of the Department** : TAMIL (Foundation Language)
- 2. Year of Establishment** :1994
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : Nil
- 4. Names of Interdisciplinary courses and the departments/units involved** : Nil
- 5. Annual/ semester/choice based credit system (programme wise)** : Semester With Choice Based Credit System
- 6. Participation of the department in the courses offered by other departments** : Nil
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
- 8. Details of courses/programmes discontinued (if any) with reasons** : Nil
- 9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Asst. Professors	14	14

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

S.No	Name	Qualification	Designation	Area of Specialization	Experience (in years)	No.of Ph.D Students Guided in the last 4 Years
1	Dr. K. Kaniyan Poonkundranar	B.A.,M.A., M. Phil., Ph.D.,	Asso. Prof. & Head	Folklore	11	Nil
2	Mr. G. S. Prabin	B.Lit., M.A., M. Phil.,	Asst. Prof.	Folklore	5	Nil
3	Mr. R. Rajasekaran	B.A., M.A., M. Phil., B.Ed., NET, SLET.,	Asst. Prof.	Modern Literature	5	Nil
4	Mr. D. Ranjith Kumar	B.A.,M.A., M. Phil.,	Asst. Prof.	Sangam Literature	4	Nil
5	Mrs. R. Selvi Sophia	B.A., M.A., M. Phil., B.Ed., NET.,	Asst. Prof.	Modern Literature	2	Nil
6	Mr. G. BakkiyaRaju	B.A., M.A., M. Phil., NET	Asst. Prof.	Folklore	3	Nil
7	Mr. B. Sivasankaran	B.A., M.A., M. Phil., B.Ed.,	Asst. Prof.	Modern Literature	3	Nil
8	Dr. R. Elavarasan	B.A., M.A., M. Phil., Ph.D.,	Asst. Prof.	Sangam Literature	2	Nil

9	Mr. K. Thangavel	B.A., M.A., M.Phil., B.Ed.,	Asst. Prof.	Folklore	2	Nil
10	Mrs. N. Selvarani	B.A., M.A., M. Phil.,	Asst. Prof.	Sangam Literature	1	Nil
11	Mr. S. Selvakumar	B.A., M.A., M.Phil.,	Asst. Prof.	Grammar	1	Nil
12	Dr. P. Venkatachalam	B.Lit., M.A., M. Phil.,Ph.D	Asst. Prof.	Grammar	1	Nil
13	Mrs. J. Selvi	B.A., M.A., B.Ed.	Asst. Prof.	Modern Literature	7mon th	Nil
14	Mrs. P. Kalaiselvi	B.Lit.,M.A., M. Phil.	Asst. Prof.	Folklore	1mon th	Nil
15	Mrs. R. Megala	B.A.,M.A., M. Phil., B.Ed.,	Asst. Prof.	Sangam Literature	1mon th	Nil

**11. List of senior visiting faculty:** Nil

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

**13. Student -Teacher Ratio (Programme wise):** Support Department  
(Only Foundation Course)

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M.Phil / PG.** Vide answer for question 10

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

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

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications:**

a) Publication per faculty

Number of papers published in peer reviewed journals (national / international) by faculty and students

S.No.	Name of the Staff Members	Number of Publications	
		National	International
1.	Dr. K. Kaniyan Poonkundranar	01	01

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN /ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects:** Nil

**23. Awards / Recognitions received by faculty and students:** Nil

**24. List of eminent academicians and scientists / visitors to the department:** Nil

**25. Seminars/ Conferences/Workshops organized & the source of funding**

- a) National : Nil
- b) International : Nil

**26. Student profile programme/course wise:** Nil

**27. Diversity of Students:** Nil

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

**29. Student progression:** Nil

**30. Details of Infrastructural facilities**

- a) Library** : General Library
- No. of Titles : 1180
- No. of Volumes : 1421
- No. of Journals : -

**b) Internet facilities for Staff & Students:**

- Department is equipped with one computer with internet facility and Printer

**c) Class rooms with ICT facility** : Nil

**d) Laboratories** : Nil

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

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	Seminars
Tamil	04	-	-

**33. Teaching methods adopted to improve student learning:**

- e-notes, Blogger, and printed notes

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil

**35. SWOC analysis of the department and Future plans**

**Strength**

- Out of 12, three are doctorate degree holders and two, UGC qualified staff
- Faculty with in-depth knowledge in Tamil literature
- Great enthusiasm on the part of students to participate in literary competitions
- Tamil Nadu Government itself accords maximum importance to Tamil

**Weakness**

- Tamil is not offered as a major Course

**Opportunities**

- Students have employment opportunities in various fields
- Students can become good orators, editors and TV compilers and writers
- Government accords priority to Tamil medium students in employment



**Challenges**

- To spread Tamil culture among students
- Students' passion towards English

**Future Plans**

- To elevate the department into a major and research department
- To teach Tamil to foreign students studying in our college

# Evaluative Report of the Department

Department of Microbiology

**Evaluative Report of the Department**

1. **Name of the Department** : MICROBIOLOGY
2. **Year of Establishment** : 1994
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.,)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Microbiology	1994	50
2	M.Sc., Applied Microbiology	1997	80
3	M. Phil., Microbiology	2006	20
4	Ph. D., Microbiology	2006	16

4. **Names of Interdisciplinary courses and the departments/units involved** : Nil.
5. **Annual/ semester/choice based credit system (programme wise)**

S.No.	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Microbiology	Semester & CBCS
2	M.Sc., Applied Microbiology	Semester & CBCS
3	M. Phil., Microbiology	Semester & CBCS
4	Ph. D., Microbiology	Semester & CBCS

6. **Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-13	2013-2014	
I B.Sc., Microbiology	6	12UFTA01 Tamil – I	24	33	50	Tamil
		12UFEN01, English – I	24	33	50	English
		12UBCA01 Biochemistry - I	24	33	50	Biochemistry
		12UFTA02 Tamil – II	24	33	50	Tamil
		12UFEN02 English – II	24	33	50	English
		12UBCA02	24	33	50	Biochemistry

		Biochemistry - II				
II B.Sc., Microbiology	6	12UFTA03 Tamil – III	10	24	50	Tamil
		12UFEN03 English –III	10	24	50	English
		12USTA06 Biostatistics	10	24	50	Statistics
		12UFTA04 Tamil – IV	10	24	50	Tamil
		12UFEN04 English –IV	10	24	50	English
		12UCSA06 Computer Application in Biology	10	24	50	Computer Science
I M.Sc., Applied Microbiology	2	12PAM03, Pharmaceutical Chemistry	10	12	10	Chemistry
		Biochemistry in Human Health	10	12	10	Biochemistry

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**8. Details of courses / programmes discontinued (if any) with reasons:**  
Nil

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Asso. Professors	06	06
Asst. Professors	03	03

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No.of Ph. D Students guided for the last 4 years
Dr. A. Palanisamy	M.Sc., Ph.D.,	Asso. Prof.& Head Biological Science	Agricultural Microbiology	17	Completed 02 Submitted 01 Doing 04
Dr. S. Anbalagan	M.Sc., M. Phil., Ph.D.,	Asso. Prof. & Head	Medical Microbiology	17	Doing 03

Mr. A. K. Saravanan	M.Sc., M. Phil., M.Ed.	Asso. Prof.	Agricultural Microbiology	15	-
Mrs. S. Shahitha	M.Sc., M. Phil.,	Asso. Prof.	Medical Mycology	11	-
Mrs. K. Nashima	M.Sc., M. Phil.,	Asso. Prof.	Genetic Engineering	9	-
Mr. M. Selvan	M.Sc., M. Phil.,	Asso. Prof.	General Microbiology	9	-
Mr. N. Radhakrishnan	M.Sc., M. Phil.,	Asst. Prof.	Food & dairy Microbiology	1	-
Mrs. N. Sathyabama	M.Sc., M. Phil.,	Asst. Prof.	General Microbiology	2	-
Dr. N. Sudhakar	M.Sc., Ph. D.,	Asst. Prof.	Microbial Biotechnology	1	-

**11. List of senior visiting faculty:** Nil.

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Microbiology	36:1
M.Sc., Applied Microbiology	06:1
M. Phil., Microbiology	05:1
Ph. D., Microbiology	05:1

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

Laboratory Assistant: 01 (Sanctioned: 01).

Laboratory Attender: 01 (Sanctioned: 01).

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG:** Vide answer for question 10

**16. Number of Research Fellow with ongoing projects from a) National b) International funding agencies and grants received – National 01 project**

Name of the Research Fellow / Project	Title of the Project	Funding Agency	Grants Received (Rs. in Lakhs)
Dr. N. Sudhakar	Fast Track Young Scientist Award, Identification and Functional Analysis of	Dept. of Science & Technology,	24

	Phosphorylation as a Recognition tag for scf <sup>coll</sup> Dependent Degradation of Jaz proteins Regulating Jasmonate Signaling in <i>Arabidopsis thaliana</i> .	New Delhi.	
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**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** DST Project-24 Lakhs.

**18. Research Centre /facility recognized by the University**

- Department of Microbiology got the status of Research centre in Microbiology in 2005-2006 affiliated to Periyar University, Salem.
- Dr. A.Palanisamy & Dr. S.Anbalagan are approved Research Guides for M. Phil., & Ph. D programmes under Periyar University, Salem.
- Mr. A.K. Saravanan, Mrs. S. Shahitha & Mrs. K.Nashima are approved Research Guides for M. Phil., programmes under Periyar University, Salem.

**19. Publications:**

S.No	Name of the Staff	Number of Publications	
		National	International
1	Dr. A. Palanisamy	03	07
2	Dr. S. Anbalagan	10	02
3	Mrs. S. Shahitha	02	06
4	Mrs. K. Nashima	01	-
5	Mr. D. Vinayamoorthi	02	06

**20. Areas of consultancy and income generated:** Rs.9,200/-

**21. Faculty as members in**

- a) National Committees : Nil.
- b) International Committees : Nil.
- c) Editorial Boards : Nil.

**22. Student projects**

All the students of M.Sc., & M. Phil., have done in-house projects including interdepartmental projects. All the students of Career Oriented Programmes have done in-house projects.

**23. Awards / Recognitions received by faculty and students: Nil**
**24. List of eminent academicians and scientists / visitors to the Department**

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. Hussain Munavar, Prof. and Head, Department of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Madurai	JAN 6 <sup>th</sup> & 7 <sup>th</sup> , 2012	Prof. V. Krishnamurthy, Director, Krishnamurthy Institute of Algology, Chennai – 600 040.	JAN 7 <sup>th</sup> & 8 <sup>TH</sup> , 2011
Dr. P. R. Padma Ass. Prof, Department of Biochemistry & Biotechnology, Avinashilingam University Coimbatore	JAN 6 <sup>th</sup> & 7 <sup>th</sup> 2012	Dr. P. Rajendren Professor, Department of Microbiology Sri Ramachandra Medical College & Research Institute, Chennai – 600 116, Tamil Nadu	JAN 7 <sup>th</sup> & 8 <sup>TH</sup> 2011
Dr. S. Sukumar Associate Professor & Head , Centralised Instrumentation Laboratory Veterinary University, Chennai	JAN 6 <sup>th</sup> & 7 <sup>th</sup> 2012	Dr. K. Padmakumar Director, Centre for Marine Biodiversity Kerala University Campus, Kariavattom, Thiruvananthapuram -	JAN 7 <sup>th</sup> & 8 <sup>TH</sup> 2011
Dr. S. L. Hoti Scientist 'F' & Head, Microbiology & Immunology Unit, Vector Control Research Centre (ICMR), Pondicherry	JAN 6 <sup>th</sup> & 7 <sup>th</sup> 2012	Dr. E. M. Elango Chief Operating Officer, Molecular Diagnostics Mazumdar Shaw Cancer Center, Narayana Hrudayalaya Health City, Bangalore	JAN 7 <sup>th</sup> & 8 <sup>TH</sup> 2011
Dr. K. Natarajaseenivasan , Associate Professor & Head Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024.	JAN 6 <sup>th</sup> & 7 <sup>th</sup> , 2012	Dr. K. Emmanuvel Rajan Asst.Professor, Dept. of Animal Science, School of Life Sciences, Bharathidasan University, Thiruchirappalli	JAN 7 <sup>th</sup> & 8 <sup>TH</sup> 2011
Pro. K. Dharmalingam, Prof. and Head, Department of Biotechnology, School of Biological Sciences, Madurai Kamaraj University, Madurai	JAN 7 <sup>th</sup> & 8 <sup>th</sup> , 2011	Dr. A.Tajudeen Bharathidasaan University Thiruchirappalli	20.9.2011

Mr. K. Padmakumar Director, Centre for Marine Biodiversity, University of Kerala	JAN 7 <sup>th</sup> & 8 <sup>th</sup> 2011	Dr. K. Kumar TNAU, Coimbatore	24.9.2013
Dr.(Mrs.) P. Nazni Reader & Head Incharge, Department of Food science, Periyar University, Salem	JAN 7 <sup>th</sup> & 8 <sup>th</sup> 2011		

**25. Seminars/ Conferences/Workshops organized & the source of funding**  
:Nil

**26. Student profile programme/course wise:**

Programme	Batch	Applications received	Selected	Pass %
B.Sc., Microbiology	2008-2011	22	22	82
	2009-2012	38	38	100
	2010-2013	14	10	90
M.Sc., Applied Microbiology	2008-2010	57	57	100
	2009-2011	33	33	100
	2010-2012	51	51	100
	2011-2013	10	10	100
M. Phil., Microbiology	2008-2009	05	05	100
	2009-2010	10	10	100
	2010-2011	15	15	100
	2011-2012	15	15	100
	2012-2013	15	15	20 (WAITING FOR ARREAR RESULTS)

**27. Diversity of Students**

Name of the Course	Year	% of students from the same State	% of students from other States	% of students from Abroad
B.Sc., Microbiology	2010-2013	100	-	-
	2011-2014	100	-	-
	2012-2015	91	06	03
	2013-2016	100	-	-
M.Sc., Applied Microbiology	2010-2012	90	10	-
	2011-2013	90	10	-
	2012-2014	100	-	-
M. Phil., Microbiology	2010-2011	100	-	-
	2011-2012	93	07	-
	2012-2013	100	-	-
	2013-2014	100	-	-



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

**29. Student progression**

Student Progression	2007-10	2008-11	2009-12	2010-13
UG to PG	27	07	10	06
PG to M. Phil.	<b>2007-09</b>	<b>2008-10</b>	<b>2009-11</b>	<b>2010-12</b>
	04	13	04	8
M. Phil to Ph. D.	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-
Employed • Campus selection • Other than campus recruitment	60	40	30	17
Entrepreneurs	-	-	-	-

**30. Details of Infrastructural facilities**

**a) Library** : General Library

No. of Titles : 0738

No. of Volumes : 1329

No. of Journals : 0010

**b) Internet facilities for staff and students**

1. Department is equipped with 2 computers in which one with internet facility .
2. Free internet facility is available to the students at internet lab and network resource centre.

**c) Total No. of class rooms:** 06

**d) Common Hall with ICT facility:** One common audio- video hall is available in our block.

**e) Students' Laboratories:** 02

**f) Research Laboratories:** 01

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

- 108 students got financial assistance from the College

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts**

Department	Details of		
	Special Lectures	Workshops	Seminars
Microbiology	10	05	04

**33. Teaching methods adopted to improve student learning**

- Projects are given to enhance their interest in research
- The students are taken on field visits to the places related to their curriculum
- PG students are encouraged to take up projects
- Students are taught through power point presentations
- They are encouraged to visit the University Libraries & online websites

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

**Student & Staff Participation**

- First Aid training
- Blood donation camp
- Eye check up camp
- Awareness programme / Rally
- Medical camp

**35. SWOC analysis of the department and Future plans**

**Strength**

- A research department offering M. Phil/ Ph. D programmes.
- Qualified teachers with professional competencies
- Members of the Staff often guide students in Projects funded by TNSCST, Chennai
- Very rare textbooks on Microbiology have been available at our library

**Weakness**

- Student Strength in P.G Programme is not encouraging
- 50% of Undergraduate students are slow learners in English and need special coaching

**Opportunities**

- Microbiology is a job oriented course
- Students have employment opportunities in various fields

### **Challenges**

- Student strength in Post Graduate Programme is less in number due to exodus of graduates to B.Ed.,

### **Future Plans**

- To publish a research journal
- To conduct research programmes in collaboration with Biochemistry/ Biotechnology Department
- To get projects from funding agencies

# Evaluative Report of the Department

Department of BBA

**Evaluative Report of the Department**

**1. Name of the department** : BBA

**2. Year of Establishment** : 1996

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

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.B.A.	1996	140
2	B.B.A. (CA)	2008	70

**4. Names of Interdisciplinary courses and the Departments/units involved**

S.No.	Dept	Name of the Interdisciplinary Courses	Departments/Units
1	B.B.A.,	Operations Research – I& II	Statistics
2		Business Economics	Economics
3		Money Banking & Global Business	
4	B.B.A (CA),	Quantitative Techniques – I & II	Statistics

**5. Annual/ semester/choice based credit system (programme wise)**

S.No.	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.B.A.,	Semester with CBCS
2	B.B.A. (CA),	Semester with CBCS

**6. Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the course
			2011-12	2012-13	2013-14	
BBA.,	NMEC-I	Principles of Mgt.	20	15	14	HM&CS
	NMEC-II	Human Resource Mgt.	20	13	14	

**7. Courses in collaboration with other universities, industries, foreign institutions, Etc.:** Nil.

**8. Details of courses / programmes discontinued (if any) with reasons: Nil**

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	08	08

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

S.No	Name	Qualification	Designation	Specialization	Experience (in years)	No. of Ph. D. Students guided for the last 4 years
1	Mr. M. Ramamoorthy	M.B.A., M. Phil.	Asso. Prof.& Head	Marketing	14	Nil
2	Mr. A. Karthigai Selvam	M.A., M. Phil., PGDPRM, DGT, CEM.,	Asst. Prof.	Public Finance	7	Nil
3	Ms. J. V. Sarmilla Banu	M.Com CA, M. Phil.	Asst. Prof.	Finance	5	Nil
4	Ms. S. Thilaka	M.Com., M.B.A., M. Phil.,	Asst. Prof.	Marketing	4	Nil
5	Mr. C. Srinivasan	M.B.A., PGDCA.,	Asst. Prof.	Human Resource Mgt With Marketing	4	Nil
6	Mrs. A. Megala	MBA., SLET.,	Asst. Prof.	Finance With Marketing	1	Nil
7	Ms. P. Suba	MBA.,	Asst. Prof.	Finance With Marketing	2	Nil
8	Ms. B. Banupriya	MBA.,	Asst. Prof.	Human Resource Mgt	0.9	Nil
9	Ms.V.Nithya	MBA., M. Phil	Asst. Prof.	Marketing	0.1	Nil

**11. List of senior visiting faculty: Nil.**

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.B.A.	20:1
B.B.A. (CA)	06:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil.

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG.:** Vide answer for question 10.

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

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

**18. Research Centre /facility recognized by the University:** Nil.

**19. Publications:**

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN.  
Numbers with Details.  
of Publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated** : Nil

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

- Students of BBA & BBA CA undertake minor projects during the final year

**23. Awards/Recognitions received by faculty and students : Nil**

S.No.	No. of Students	Batch	Event Name	Awards /Remarks
1	05	2010-2013	Ad-zap	III Prize Won cash Prize Rs.1000
2	09	2010-2013	Ad-zap	III Prize
3	06	2010-2013	Mind Walk	First Prize
4	06	2010-2013	SKID	III Prize
5	05	2012-2015	Management Games	III Prize
6	02	2013-2016	LYMPUS	1 <sup>st</sup> Prize (Won cash Prize Rs.1000)

**24. List of eminent academicians and scientists / visitors to the Department: Nil.**
**25. Seminars/ Conferences/Workshops organized & the source of funding**

- a) National : Nil.  
 b) International : Nil.

**26. Student profile programme/course wise:**

Name of the Course/ Programme	Batch	Applications Received	Selected	Enrolled		Pass Percentage
				*M	*F	
B.B.A.,	2008-2011	55	50	50	-	86
	2009-2012	51	46	43	03	78.
	2010-2013	28	24	22	02	91
	2011-2014	65	61	54	07	79
B.B.A. (CA),	2008-2011	101	88	75	13	94
	2009-2012	94	88	77	11	84
	2010-2013	43	39	30	09	77
	2011-2014	32	29	25	4	70



**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
B.B.A.,	2010-2013	96	04	-
	2011-2014	82	15	03
	2012-2015	94	01	04
	2013-2016	98	02	-
	2014-2017	98.48	1.52	-
B.B.A. (CA),	2010-2013	92	05	03
	2011-2014	100	-	-
	2013-2016	89	11	-
	2014-2017	97.62	2.38	-

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

- 03 students have been recruited as Police Constables.
- 03 students have been recruited to join army force.

**29. Student progression**

Student Progression	Against % Enrolled							
	2008-2011		2009-2012		2010-2013		2011-2014	
	BBA	BBA	BBA	BBA	BBA	BBA	BBA	BBA CA
UG to PG	88	90	87	85	88	50	12%	15%
PG to M. Phil	2	5	-	-	-	-	-	-
PG to Ph. D.	-	-	-	-	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-	-	-	-	-
Employed • Campus selection	-	-	08	13	12	13	25	16
• Other than campus recruitment	01	01	-	01	-	01	-	-
Entrepreneurship/Self-employment	-	-	-	-	-	-	-	-

**30. Details of Infrastructural facilities**

- a) Library : General Library
- b) No. of Titles : 0223
- c) No. of Volumes : 0505
- d) No. of Journals : -

**b) Internet facilities for Staff & Students:**

- Department is equipped with two computers (one with internet facility)
- Free internet facility is available to the students at internet lab and Network Resource Centre

**c) Class rooms with ICT facility:** One common audio- video hall is available in our block

**d) Laboratories:** Nil

**31. Number of students receiving financial assistance from college, university, Government or other agencies**

33 students received fee concession from the Management during the period 2008-2013

Class	% of SC /ST Scholarship	% of BC Scholarship
B.B.A.,	30	60
B.B.A. (CA),,	20	40

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts**

Department	Details of		
	Special Lectures	Workshops	Seminars
BBA.,	-	-	1

**33. Teaching methods adopted to improve student learning Power point presentation utilized by the faculties for the betterment of students learning**

- Brainstorming sessions are conducted to all the UG students
- Projects are undertaken to enhance their interest in research

- The students are taken on field visits to the places related to their curriculum
- Students are taught through power point presentations

#### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

Nil.

#### **35. SWOC analysis of the department and Future plans**

##### **Strength**

- Staff members are knowledgeable, efficient and co-operative
- Students excel in academics and sports
- Students always receive counsel from the staff
- Staff have a high sense of adaptability

##### **Weakness**

- Most of the students are admitted from rural environment
- PG course is not available in Management discipline.

##### **Opportunities**

- Students have got employment opportunities in various disciplines – like management role in various organizations, banking sector, e-publishing, defence service, self employed roles etc.,
- Management games, role play and group discussions are conducted
- Career guidance is offered regularly through alumni

##### **Challenges**

- Students find it difficult to attain the minimum standard expected of a job-seeker
- Tie-up with industrial organizations prove to be difficult because of the location of the college in rural area

##### **Future Plans**

- To establish PG program (MBA) in future
- To conduct various programmes to create awareness about adulteration, drug addiction and marketing malpractices
- To conduct Mock Viva for the final year U.G students
- To strengthen the creativity, decision making skill and logical thinking
- To provide more chances to the students for conducting Association Meeting under B-INNOV
- To motivate the students to appear for various competitive examinations

# Evaluative Report of the Department

Department of Computer Science (PG)

**Evaluative Report of the Department**

1. **Name of the Department** : PG COMPUTER SCIENCE
2. **Year of Establishment** : 1999
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.,)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	Master of Computer Applications	1999	60
2	M.Sc., Computer Science	2000	80
3	M. Phil., Computer Science	2011	20

4. **Names of Interdisciplinary courses and the departments/units involved** : Nil
5. **Annual/ semester/choice based credit system (programme wise)** :

S.No.	Name of the Programme	Annual/ Semester/ Choice Based Credit System
1	Master of Computer Applications	Semester & CBCS
2	M.Sc., Computer Science	Semester & CBCS
3	M. Phil., Computer Science	Semester & CBCS

6. **Participation of the department in the courses offered by other Departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-2013	2013-14	
I - MCA	EDC-1	12PSTED1- Operations Research	16	9	2	Statistics
I - MCA	Core Course-IV	12PCA04- Discrete Structure and Automata Theory	16	9	2	Mathematics
I - MCA	Core Course-IX	12PCA07- Managerial Accounting	16	9	2	Commerce
II - MCA	Core Course-XVII	12PCA13- Optimization Technique	56	29	2	Statistics
I - M.Sc (CS)	EDC-1	12PSTED1- Cellular Phone Servicing	29	47	31	Electronics & Communication

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil.

**8. Details of courses/programmes discontinued (if any) with reasons :**

- M.Sc., Software Science Programme was discontinued because of poor enrollment.

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	03	03
Asst. Professors	06	06

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided for the last 4 years
Mrs. V. Vijayadeepa	M.Sc., M. Phil.,	Asso.Prof.& Head/ACS	Web Mining	11	Nil
Mrs. A. M. Nirmala	MCA., M. Phil.,	Asst. Prof.& Head	Computer Networks	7	Nil
Mrs. L. Devi	MCA., M. Phil.,	Asso. Prof.	Computer Networks	9	Nil
Mrs. A. Anusha Priya	MCA., M. Phil.,	Asso. Prof.	Computer Networks	8	Nil
Mrs. M. Vijaya	M.Sc., M. Phil.,	Asst. Prof.	.Net	7	Nil
Mrs. N. Hyrunnisha	MCA., M. Phil.,	Asst. Prof.	Soft Computing	6	Nil
Mr. T. Prabhu	MCA., M. Phil.,	Asst. Prof.	.Net, oops	5	Nil
Mr. M. Ravi	M.Sc., M. Phil.,	Asst. Prof.	WAP, Multimedia	4	Nil
Mrs .D. SudhaPriya	M.Sc ., M. Phil.,	Asst. Prof	Software Engineering ,Operating Sysem	0.01	Nil

**11. List of senior visiting faculty : Nil**

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

**13. Student-Teacher Ratio (programme wise)**

Programme	Student – Teacher Ratio
Master of Computer Applications	17:1
M. Sc., Computer Science	16:1
M. Phil., Computer Science	04:1

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

Administrative Staff (System Admin) : 01  
 No of Lab Instructor : 04  
 No of Lab Attender : 02

**15. Qualifications of teaching faculty with D.Sc/D.Litt/Ph. D/M. Phi / PG:**  
 Vide answer for Question 10.

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

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

**18. Research Centre / facility recognized by the University: Nil**

**19. Publications:**

a) Publication per faculty.  
 Number of papers published in peer reviewed journals (National/ International) by faculty and students.

S.No.	Name of the Staff	Number of Publications	
		National	International
1.	Mrs. V. Vijayadeepa	01	08
2.	Mrs. L. Devi	-	08
3.	Mr. T. Prabhu	-	01
4	Mr. M. Ravi	-	01

S.No.	Name of the Student	Number of Publications	
		National	International
1	G. Selvakumar	-	01
2	D. Lakshmi	01	-
3	B. Malathi	01	-
4	J. Sreedhar	-	01

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN /ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : 1.5
- h-index : Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

- a) National committees : Nil
- b) International Committees : Nil
- c) Editorial Board : Nil

**22. Student projects**

Students have developed resourceful website [www.muthayammal.info](http://www.muthayammal.info) which provides useful and purposeful services such as

- Online attendance
- e-Notes
- Blogger for staff
- e-Library

**23. Awards / Recognitions received by faculty and students:** Nil

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. R. S. D. Wahidabanu, Head/ ECE, Govt. College of Engg., Salem.	23.09.2009	Dr. K. Somasundaram, Head/Dept.of CS & CA, Gandhigram Rural University, Gandhigram	22.01.2011
Dr. T. Devi, Associate Prof./ MCA Department, Bharathiyar University, Coimbatore	21.08.2010	Dr. R. M.Suresh , Vice Principal, R.M.D Engineering College,Chennai	18.02.2012



**25. Seminars/ Conferences/Workshops organized & the source of funding: Nil.**

a) National    b) International

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
Master of Computer Applications	2008-2011	15	13	10	3	77
	2009-2012	60	59	23	36	90
	2010-2013	65	59	34	25	95
	2011-2014	60	56	31	25	89
M.Sc Computer Science	2008-2010	20	19	10	9	100
	2009-2011	40	30	9	21	97
	2010-2012	30	29	13	16	93
	2011-2013	35	29	8	21	100
	2012-2014	50	47	14	33	94
M. Phil. Computer Science	2011-2012	12	12	1	11	100
	2012-2013	15	15	Nil	15	92

**27. Diversity of Students**

Name of the Course	Year	% of Students from the Same State	% of Students from other States	% of Students from Abroad
Master of Computer Applications	2010-2013	95	05	-
	2011-2014	98	-	02
	2012-2015	100	-	-
	2013-2016	100	-	-
Master of Computer Science	2011-2013	100	-	-
	2012-2014	98	02	-
	2013-2015	97	03	-
M. Phil., Computer Science	2011-2012	100	-	-
	2012-2013	100	-	-

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

S.No.	Roll.No	Name of the Students	Designation
1	11LPCA04	Mr. M. Dinesh Kumar	Police constable
2	08PSS24	Mr. S. Sivarajan	Police constable

**29. Student progression**

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
PG to M. Phil	-	-	17	43	20
<b>Employed</b>					
Campus selection	-	-	-	02	08
Other than campus Recruitment	-	30	31	06	32
Entrepreneurship/ Self-employment	-	-	-	-	-

**30. Details of Infrastructural facilities**

**a) Library: Department (MCA) Library**

No.of Books	:	6224		
No.of Titles	:	2541		
No.of Journals	:	National	-	11
		International	-	12

**b) Internet facilities for Staff & Students:**

- A Separate lab with internet facility is allotted to our Students/ Staff for use during break-hours

**c) Class rooms with ICT facility:**

- One common audio- video hall is available in our block

**d) Laboratories: 07**

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

90 students received fee concession from the Management during the period 2008-2013

**32. Details on student enrichment programmes (special lectures / workshop/Seminar) with external experts:**

Department	Details of		
PG Computer Science	Special Lectures	Workshops	Seminars
	02	02	08

**33. Teaching methods adopted to improve student learning**

- Introduction of certificate course such as Web Application Development
- e-content has been advanced for the benefit of students
- Conducting unit test for each subject
- Conducting weekly test for each subject
- Conducting classes for students with arrears in examinations by fast learner students
- Conducting free aptitude classes for volunteer faculty
- Giving e-assignments to students

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**

**35. SWOC analysis of the department and Future plans**

**Strength**

- Dedicated and hardworking faculty
- Good enrolment of students
- Innovative nature of both staff and students
- Students have the ability to create web pages ([www.muthayammal.info](http://www.muthayammal.info))
- Students are excellent in sports and various activities

**Weakness**

- Communication skill among the students is not encouraging

**Opportunities**

Successful students can serve in the following areas:

- Programming and Software development
- Information systems and management
- Networking and computer science research
- Graphics and multimedia through value added program
- Computer Industry specialists

**Challenges**

- Rapid developments in computer science
- Poor interest of students towards research

**Future Plans**

- To publish Research Journal
- To implement new job oriented certificate courses
- To motivate the students to do any research project apart from those related to academics
- To involve all final year students to do own models by using their creativity

# Evaluative Report of the Department

Department of BCA

### Evaluative Report of the Department

- 1. Name of the Department** : BCA
- 2. Year of Establishment** : 1999
- 3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	BCA	1999	250

- 4. Names of Interdisciplinary courses and the departments/units involved** : Nil.

- 5. Annual/ semester/choice based credit system (programme wise)** :

S.No.	Name of the Programme	Annual/ semester/choice based credit system
1	BCA	Semester & CBCS

- 6. Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the course
			2011-12	2012-13	2013-2014	
II BCA	NMEC I & II	12UPHN01 Essentials of Electricity	159	174	143	Physics
		12UPHN02 Physics in Everyday Life	159	174	143	Physics

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil.
- 8. Details of courses/programmes discontinued (if any) with reasons** : Nil
- 9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	03	03
Asst. Professors	10	10

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided in the last 4 years
Mrs. R. Pushpa Priya	M.Sc., M. Phil.,	Asso. Prof. & Head	Networking	9.8	Nil
Mr. H. Lookman Sithic	M.Sc., M. Phil.,	Asso. Prof.	Information Security	13.1	Nil
Mrs. L. Gomathi	MCA., M. Phil.,	Asso. Prof.	Data Mining	8.7	Nil
Mrs. V. Sangeetha	M.Sc., M. Phil.,	Asst. Prof.	Operating System	5.9	Nil
Mrs. K. Gayathri	M.Sc., M. Phil.,	Asst. Prof.	Networking	5.7	Nil
Mr. P. Mohankumar	M.C.A.,	Asst. Prof.	Networking	5.8	Nil
Ms. R. Meena	M.Sc., M. Phil.,	Asst. Prof.	Networking	4.6	Nil
Mr. P. Ashok	M.Sc., M. Phil., M.C.A.,	Asst. Prof.	Data Mining	4.0	Nil
Mr. A.S. Syed Navaz	M.Sc., M. Phil., M.C.A.,	Asst. Prof.	Networking	3.1	Nil
Mr. G. Senthilkumar	M.Sc., M. Phil.,	Asst. Prof.	Networking	2.1	Nil
Mrs. A. Saranya	M.Sc., CS	Asst. Prof.	Web Designing	0.07	Nil
Mr. S. Karthik	M.C.A., M. Phil.,	Asst. Prof.	Networking	0.10	Nil
Mr. A. Raja	M.C.A	Asst. Prof	Operating System	0.01	Nil

**11. List of senior visiting faculty:** Nil

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
BCA	33 : 1

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

Administrative Staff	: 01	System Admin	: 01
Laboratory Assistant	: 04 (Sanctioned)		: 04)
Laboratory Attender	: 02 (Sanctioned)		: 02)

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG.:** Vide answer for question 10.

**16. Number of faculty with ongoing projects from**

a) National b) International funding agencies and grants received:  
Nil

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

**18. Research Centre /facility recognized by the University:** Nil

**19. Publications:**

a) Publication per faculty.

Number of papers published in peer reviewed journals (National / International) by faculty and students.

S.No	Name of the Staff	Number of Publications	
		National	International
1	Mrs. R. Pushpapiya	-	3
2	Mr. H. Lookman Sithic	-	1
3	Mrs. L. Gomathi	-	6
4	Mrs. V. Sangeetha	-	3
5	Ms. R. Meena	-	1
6	Mr. P. Ashok	-	5
7	Mr. A. S. Syed Navaz	-	9

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN /ISSN numbers with details of publishers : Nil



- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

- Students have developed e-content
- Online attendance
- e-Notes
- Blogger
- e-Library
- Website Creation

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

b) Percentage of students placed for projects in organizations Outside the institution i.e.in Research laboratories/Industry/ Other agencies: Nil

**23. Awards / Recognitions received by faculty and students: Nil**

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. R. S. D. Wahidabanu Head / ECE, Govt. College of Engg., Salem.	23.09.2009	Dr. K. Somasundaram Head/ Dept.of CS & CA, Gandhigram Rural University, Gandhigram	22-01-2011
Dr. T. Devi Associate Prof./ MCA Department, Bharathiyar University, Coimbatore	21.08.2010	Dr. R. M.Suresh Vice Principal, R.M.D Engineering College, Chennai	18.02.2012

**25. Seminars/ Conferences/Workshops organized & the source of funding**

- a) National : Nil.  
 b) International : Nil.

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
BCA	2008-11	304	287	220	66	81.06
	2009-12	95	88	60	28	82
	2010-13	120	99	72	27	84
	2011 -14	180	164	83	61	87

**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
BCA	2010-2013	95	03	02
	2011-2014	99	01	-
	2012-2015	99	01	-
	2013-2016	99	01	-
	2014-2017	100	-	-

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

**29. Student progression**

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
UG to PG ie., BCA to M.Sc., MCA or MBA etc	56	53	65	61	41
Employed					
• Campus selection	--	--	--	01	01
• Other than campus recruitment	--	08	08	06	11
Entrepreneurship/Self-employment	--	--	--	--	--

**30. Details of infrastructural facilities:**

- a) **Library** : General Library

No. of Titles : 0678  
 No. of Volumes : 1558  
 No of Journals : 0003

**Department Library**

No. of Titles : 100  
 No. of Volumes : 100  
 Total Books : 100

**b) Internet facilities for Staff & Students:**

- Department is equipped with one computer with internet facility apart from the computers available in the labs
- Free internet facility is available to the students at internet lab

**b) Class rooms with ICT facility:**

- One common audio- video hall is available in our block

**d) Laboratories: 07**

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

30 students have been benefited by fee concession from the Management during the period 2008-2013

**32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:**

Department	Details of		
	Special Lectures / Conferences	Workshops	National Seminars
BCA	02	02	08

**33. Teaching methods adopted to improve student learning**

- Laptop provided by the Tamilnadu State Government is used to carry out teaching-learning process
- Practice of mind map method in the teaching-learning process
- Teaching through power point presentations
- Use of teaching aids such as
  - a. LCD projector
  - b. OHP sheet
  - c. Chart
  - d. Hardware Components
  - e. Software Application installation, etc

- Introduction of certificate course such as Web Application Development
- e-content has been advanced for the benefit of students
- Conducting unit test for each subjects
- Conducting weekly test for each subject
- Conducting classes for students with arrears in examinations by fast learner students
- Conducting free aptitude classes for volunteer faculty
- Giving e-assignments to students

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil

**35. SWOC analysis of the department and Future plans**  
**Strength**

- Dedicated staff and devoted students
- Innovative methods in teaching learning
- The privilege of having own departmental library

**Weakness**

- Only a few career-related programs are conducted

**Opportunities**

- Bright opportunities for successful graduates in placements
- Student can pursue higher education up to M. Phil in this college itself
- Bright scope for employment abroad

**Challenges**

- Updation of latest developments in computer application proves difficult.
- Updation of laboratory facility is costlier

**Future Plans**

- To publish a Research Journal
- To improve the student's quality by using co-curricular activities
- To introduce new job oriented certificate courses
- To motivate the students to undertake research
- To involve all final year students to create own models
- To shape our department to fulfill our vision and mission

# Evaluative Report of the Department

Department of Biotechnology

## Evaluative Report of the Department

1. **Name of the Department** : BIOTECHNOLOGY
2. **Year of Establishment** : 1999
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.,)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	M.Sc., Biotechnology	1999	120
2	B.Sc., Biotechnology	2000	50
3	M. Phil., Biotechnology	2002	15
4	Ph. D., Biotechnology	2002	8
5	M.Sc., Biotechnology (5Yrs Integrated)	2005	30
6	B.Sc., Bioinformatics	2005	40
7	M.Sc., Bioinformatics	2003	30
8	M.Sc., Biochemical Technology	2003	30

4. **Names of Interdisciplinary courses and the departments/units involved :**  
Microbiology: Bioinstrumentation-I&II (UG), Microbial Technology (PG).

#### 5. Annual/semester/choice based credit system (programme wise)

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Biotechnology	Semester & CBCS
2	M.Sc., Biotechnology	Semester & CBCS
3	M. Phil., Biotechnology	Semester & CBCS

## 6. Participation of the department in the courses offered by other departments

Class	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-13	2013-14	
II B.Sc.,-Sem-3 Biotechnology	NMEC-I	08UMBN01-Bioinstrumentation Techniques –I	22	25	31	Microbiology
II B.Sc.,-Sem-4 Biotechnology	NMEC-II	08UMBN02-Bioinstrumentation Techniques–II	22	25	31	Microbiology
I M.Sc.,- Sem-1 Biotechnology	EDC	12AMBEDC01-Microbial Technology	31	12	16	Microbiology

## 7. Courses in collaboration with other universities, industries, foreign institutions, etc., : Nil

## 8. Details of courses/programmes discontinued (if any) with reasons

B.Sc., Bioinformatics, M.Sc., Bioinformatics, M.Sc., Biotechnology (5Yrs Integrated) and M.Sc., Biochemical Technology courses were discontinued. This is because of the following reasons:

- Lack of awareness about these courses among students
- Poor demand
- Successful students not eligible to join B.Ed course

## 9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	3	3
Asst. Professors	5	5

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided for the last 4 years
Dr. M. Sureshkumar	M.Sc., M. Phil., Ph.D.,	Asso. Prof & Head	Molecular Entomology, Applied Biotechnology	10	Nil
Mr. P. Selvamaleeswaran	M.Sc., M. Phil.,	Asso. Prof.	Plant tissue culture and Genetic Engineering	8.3	Nil

Dr. P. Iyappan	M.Sc., M. Phil., Ph.D.,	Asso. Prof.	Microbial Biotechnology	12.1	Nil
Dr. E. Brindha	M.Sc., M. Phil., Ph. D.,	Asst. Prof.	Plant Metabolites against Diabetes	5.3	Nil
Mrs. T. Kavitha	M.Sc., M. Phil.,	Asst. Prof.	Molecular Biotechnology	1.5	Nil
Mr. K. Jeeva	M.Sc., M. Phil.,	Asst. Prof.	Molecular Biology	01	Nil
Mr.E.Manimaran	M.Sc., M. Phil.,	Asst. Prof.	Microbiology, Bioinformatics, r DNA Technology	-	Nil
Ms. A. Aarthy	M.Sc., M. Phil., SET.,	Asst. Prof.	Food Biotechnology,	-	Nil

**11 List of senior visiting faculty: Nil**

- 3) **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty – Nil**

**13. Student –Teacher Ratio (programme wise)**

Programme	Student – Teacher Ratio
B.Sc., Biotechnology	15:1
M.Sc., Biotechnology	4:1
M. Phil., Biotechnology	3:1
Ph. D., Biotechnology	3:1

**14. Number of academic support staff (technical) and administrative staff:**

Laboratory Assistant : 01 (Sanctioned: 01)  
Laboratory Attender : 01 (Sanctioned: 01)

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG: Vide answer for question 10.**

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



**17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received**

Name of the Students	Year	Grant Received from Agency	Total Amount (Rs.) received
A. Sugumar	2012	TNSCST- AS11/TNSCST/ 2011-2012	6,000/-
K. Jeeva	2009	TNSCST-BS117/TNSCST/2009-10	10,000/-
E. Smitha	2008	TNSCST-BS18/TNSCST/2007-2008	5,000/-

Nature of the Project	Duration	Title	Research Guide	Name of Funding Agency	Total Grant (Rs.)	
					Sanctioned	Received
Minor Project	2007-09	Solid Waste Management through Vermitechnology	Dr. M. Rajasekara Pandian	TNSCST	2,00,000	2,00,000

**18. Research Centre /facility recognized by the University**

- Department of Biotechnology was given the status of Research centre in Biotechnology in 2003 by Periyar University, Salem

**19. Publications:**

a) Publication per faculty

Number of papers published in peer reviewed journals (National/International) by faculty and students

S.No.	Name of the Staff	Number of Publications	
		National	International
1.	Dr. M. Sureshkumar	1	8
2.	Dr. B. Senthilkumar	Nil	18
3.	Dr. P. Iyappan	Nil	5
4	Mr. P. Selvamaleeswaran	Nil	8
5	Mr. K. Jeeva	1	3
6	Dr. E. Brindha	1	3
7	Ms. A. Aarthy	Nil	2

Name of the Staff	No. of Books Published	Title of the Book	ISBN	Name of the Publisher	Year
Dr. M. Rajasekara pandian & Dr. B. Senthilkumar	1	Immunology	81-86535-61-6	Panima Pulishing Corporation New Delhi	2007
Mr. P. Selvamaleeswaran	1	Bioinstrumentation	9788190949071	Golden Net Publishers Trichy	2010

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN Numbers with Details of Publishers : 02
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : 5.787
- h-index : Nil

## 20. Areas of consultancy and income generated

S.No	Purposes	Amount (Rs.)
1	Project work- National College, Trichy	8500
2	Project work- VMKV Engineering College, Salem	5000
3	Project work- Arignar Anna Govt Arts College, Namakkal	8000
4	Project work- Srisarada College for women, Salem	1000
5	Antibacterial Activity, Dept of Chemistry- Gate College, A.Gate	1600
6	Project work-A.A Govt Arts College, Namakkal	2500
7	Project work-A.A Govt Arts College, Namakkal	2500
8	Project work-A.A Govt Arts College, Namakkal	2500
9	Project work-Bharathidasan University, Trichy	11000
10	PCR work, Madya Pradesh Technical University	2000
11	Antibacterial activity- Periyar University, Salem	2200
12	Project work- Sarada College, Salem	3000

13	Antibacterial activity, Government Arts College, Karur	1000
14	Antibacterial activity, University of Madras (Ph. D., work)	1000
15	Project work- MS university, Tirnelveli	1000
16	Project work- Sarada College, Salem	600
17	Project work-Govt Arts College, Namakkal	800
18	Project work- A.A Govt Arts College, Namakkal	100

### Consultancy services

Year	2011	2012	2013	2014
Income Generated	Rs.2500/-	Rs.7200/-	Rs.22100/-	22500

### 21. Faculty as members in

- a) National committees : Nil
- b) International Committees : Nil
- c) Editorial Board : Nil

### 22. Student projects

- a) Percentage of students who have done in-house projects  
Including inter departmental/programme.
- b) Percentage of students placed for projects in organizations  
Outside the institution i.e.in Research laboratories/Industry/  
Other agencies.

Year	In House Project	Inter Departmental Project	Others
2009-11	16.66	Nil	83.33
2010-12	25	Nil	75
2011-13	41.9	Nil	58.06
2012-14	33.33	Nil	66.66

### 23. Awards / Recognitions received by faculty and students: Nil

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. V. Palani, M.Sc., M. Phil., Ph. D., PDR (USA), Managing Director, Genewin Biotech, Hosur- 635 109. Dr. P. Arumugam Director, Armats Biotek Training & Research Institute (ABTRI), Guindy, Chennai-600 085.	04.01.2013
Dr. M. Ramasami, Managing Director, Rasi Seeds (P) Ltd., Attur - 636 102, Salem District, Tamil Nadu, India. Dr. Hussain Munavar, Professor & Head, Department of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Madurai. Dr. G. Raja Gopal, Editor in Chief, Biomedicine Professor, Dept. of Biochemistry, Kamachi Medical College, Chennai. Dr. K. Natarajaseenivasan, Associate Professor & Head, Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024. Dr. S. L. Hoti Scientist 'F' & Head, Microbiology & Immunology Unit, Vector Control Research Centre (ICMR), Pondicherry – 605006. Dr. P. R. Padma, Associate Professor, Dept. of Biochemistry & Biotechnology, Avinashilingam University, Coimbatore – 641 043. Dr. S. Sukumar, Associate Professor & Head, Centralised Instrumentation Laboratory, Tamilnadu Veterinary University, Chennai.	06.01.2012 & 07.01.2012
Dr. K. Dharmalingam, DBT Distinguished Biotechnology Research Professor, School of Biotechnology, Madurai Kamaraj University, Madurai-625 021, Tamil Nadu. Prof. Dr. K. Muthuchelian, Vice Chancellor, Periyar University, Salem. Dr. Rakesh Kumar Trivedy, National Business Manager, Environmental Services, Intertek India Pvt. Ltd, Mumbai. Dr. P. Nazni, Asst. Professor, Department of Food Science, Periyar University, Salem -11. Dr. M. Basker, Professor in Microbiology, Government Vellore Medical College, Vellore, Tamilnadu. Dr. P. Rajendren, Professor, Ramachandra Medical College, Chennai. Dr. S. Sukumar, Head, Centralised Instrumentation Laboratory, Tamilnadu Veterinary College, Chennai, Tamilnadu. Dr. K. Kalaiselvi, Asst. Professor, Dept. of Biochemistry/Biotechnology & Bioinformatics, Avinashilingam Deemed University, Coimbatore. Dr. E. M. Elango, Scientist, Molecular Diagnostics, Narayana Hrudayalaya Hospitals, Bangalore – 560 009. Dr. K. Padmakumar, Professor, Dept of Aquatic Biology & Fisheries, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala. Dr. Anbalagan, M/S Biotech, Yercard. Biotech R&D Laboratories, Yercaud - 636 601, Salem Dt. Dr. A. J. A. Ranjit Singh, Head, Department of Advanced Zoology & Biotechnology, Sri Paramakalyani College, Alwarkurichi, Tirunelveli.	07.01.2011 & 08.01.2011

<p>Prof. Dr. P. Gunasekaran, Senior Prof &amp; Head, Dept. of Genetics, Madurai Kamaraj University, Madurai.</p> <p>Dr.S.Sukumar, Tamil Nadu Veterinary University, Chennai. Dr. . V. S.Suryanarayana, Principal Scientist, IVRI, Bangalore.</p> <p>Dr. K. Anbarasu, Asst. Professor and Head, Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli.</p> <p>Dr. E. M. Elango, Consultant, Molecular Diagnostics, Mazumdar Shaw Cancer Center, Narayana Hrudayalaya Health City, Bangalore.</p> <p>Dr. A. J. A .Ranjit Singh, Head, Department of Advanced Zoology and Biotechnology, Sri paramakalyani College, Alwarkurichi, Tirunelveli.</p> <p>Dr. P. Nazni, Associate Professor, Department of Food Science, Periyar University, Salem.</p> <p>Dr. N. Senthikumar, Associate Professor and Head, Department of Biotechnology, Mizoram University, Mizoram.</p> <p>Dr. S. Sudhakar, Professor and Head, Department of Biotechnology, Sri Paramakalyani Centre for Environmental Science, Manonmaniam Sundaranar University, Alwarkurichi, Tirunelveli.</p> <p>Dr. S. Manokaran, Associate Professor, Department of Biochemistry, Annamalai University, Chidambaram.</p> <p>Dr. M. Johnson, Asst. Professor, Dept of Plant Biology and Biotechnology, St.Xavier's College, Palayamkottai.</p>	<p>08.01.2010&amp; 09.01.2010</p>
<p>Dr. T. Dhanabal, Senior Scientific Officer, TNSCST, Chennai.</p>	<p>16.03.2010</p>
<p>Dr. R. Jayabal, Senior Scientific Officer, TNSCST, Chennai.</p>	<p>15.09. 2011</p>
<p>Mr. Anandha Padmanaban, Clinical Consortium Pvt. Ltd, Coimbatore.</p>	<p>23.09.2010</p>
<p>Dr. S. Vincent, Member Secretary, TNSCST, Chennai.</p> <p>Dr. G. Subramanian, Former Director, National Facility for Marine Cyanobacteria, Bharthidasan University, Thiruchirappalli.</p> <p>Dr. Arockiasamy Arulandu, Scientist, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi.</p> <p>Dr. S. Seeni, Director, Tropical Garden and Research Institute, Thiruvananthapuram.</p> <p>Dr. K. Ponnuel, Scientist-C, Central Silk Board, Bangalore.</p> <p>Dr.Mukesh Doble, Professor, Department of Biotechnology, IIT Madras, Chennai.</p> <p>Dr. A. Gnanamani, Scientist, Central Leather Research Institute, Chennai.</p> <p>Dr. K. Emmanuvel Rajan, Lecturer, Dept. of Animal Cell Science, BharthidasanUniversity, Thiruchirappalli.</p> <p>Dr. M. Suriyavathana, Lecturer, Department of Biochemistry, Periyar University, Salem.</p> <p>Dr. Lakshmi Prabha, Sr. Lecturer, Department of Biotechnology, Karunya University, Coimbatore.</p>	<p>09.01.2009 &amp; 10.01.2009</p>

## Evaluative Report of the Department

Dr. T. S. Saravanan, Reader in Zoology, Jamal Mohamed College, Thiruchirappalli.	
Dr. S. Seeni, Research Coordinator, Satyabama University, Chennai.	16.04.2009
Dr. P. Mehalingam, Sr. Lecturer, Dept. of Plant Biotechnology, VHNSN College, Virudhunagar.	15.04.2009
Dr. S. Sukumar, Associate Professor & Head, Central Instrumentation Laboratory, Madras Veterinary College, Chennai.	29.08.2009
Dr. A. J. A. Ranjit Singh, Head, Department of Advanced Zoology & Biotechnology, Sri Paramakalyani College, Alwarkurichi, Tirunelveli.	27.11.2009 to 01.12.2009

**25. Seminars/ Conferences/Workshops organized & the source of funding)**

**a) National    b) International**

National Level Conferences	Date	No.of Participants	Resource Person	Amount (Rs.) sanctioned by Funding Agencies
Bioscientific Technologies: A panacea for human health & Social welfare	6 <sup>th</sup> & 7 <sup>th</sup> January 2012	734	Dr. M. Ramasami, Managing Director, Rasi Seeds (P) Ltd., Attur - 636 102, Salem Dt, Tamil Nadu, India. Dr. Hussain Munavar, Professor & Head, Department of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Madurai. Dr. G. Raja Gopal, Editor in Chief, Biomedicine Professor, Dept. of Biochemistry, Kamachi Medical College, Chennai. Dr. K. Natarajaseenivasan, Associate Professor & Head, Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024. Dr. S. L. Hoti Scientist 'F' & Head, Microbiology & Immunology Unit, Vector Control Research Centre (ICMR), Pondicherry – 605 006. Dr. P. R. Padma, Associate Professor, Dept. of Biochemistry & Biotechnology, Avinashilingam University, Coimbatore – 641 043. Dr. S. Sukumar, Associate Professor & Head, Centralised Instrumentation Laboratory, Tamilnadu Veterinary University, Chennai.	MCAS

<p>Promising Faces of Biotechnology</p>	<p>7<sup>th</sup> &amp; 8<sup>th</sup> January 2011</p>	<p>811</p>	<p>Prof. Dr. K. Dharmalingam, DBT Distinguished Biotechnology Research Professor, School of Biotechnology, Madurai Kamaraj University, Madurai-625 021, Tamil Nadu. Prof. Dr. K. Muthuchelian, Vice Chancellor, Periyar University, Salem. Dr. Rakesh Kumar Trivedy, National Business Manager, Environmental Services, Intertek India Pvt. Ltd, Mumbai. Dr. P. Nazni, Asst. Professor, Department of Food Science, Periyar University, Salem -11. Dr. M. Basker, Professor in Microbiology, Government Vellore Medical College, Vellore, Tamilnadu. Dr. P. Rajendren, Professor, Ramachandra Medical College, Chennai. Dr. S. Sukumar, Head, Centralised Instrumentation Laboratory, Tamilnadu Veterinary College, Chennai, Tamilnadu. Dr. K. Kalaiselvi, Asst. Professor, Dept. of Biochemistry/Biotechnology &amp; Bioinformatics, Avinashilingam Deemed University, Coimbatore. Dr. E. M. Elango, Scientist, Molecular Diagnostics, Narayana Hrudayalaya Hospitals, Bangalore – 560 009. Dr. K. Padmakumar, Professor, Dept of Aquatic Biology &amp; Fisheries, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala. Dr. Anbalagan, M/S Biotech, Yercard. Biotech R&amp;D Laboratories, Yercaud - 636 601, Salem Dt. Dr. A.J.A. Ranjit Singh, Head, Department of Advanced Zoology &amp; Biotechnology, Sri Paramakalyani College, Alwarkurichi, Tirunelveli.</p>	<p>DST-75,000/-, CSIR-20,000/-, MOE &amp; F-75,000/-</p>
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<p>Biotechnology: Great Expectations &amp; Achievements</p>	<p>8<sup>th</sup> &amp; 9<sup>th</sup> January 2010</p>	<p>856</p>	<p>Prof. Dr. P. Gunasekaran, Senior Prof. &amp; Head, Dept. of Genetics, Madurai Kamaraj University, Madurai. Dr. S. Sukumar, Tamil Nadu Veterinary University, Chennai. Dr. V. V. S. Suryanarayana, Principal Scientist, IVRI, Bangalore. Dr. K. Anbarasu, Asst. Professor and Head, Department of Marine Biotechnology, Bharathidasan University, Tiruchirappali. Dr. E. M. Elango, Consultant, Molecular Diagnostics, Mazumdar Shaw Cancer Center, Narayana Hrudayalaya Health City, Bangalore. Dr. A. J. A. Ranjit Singh, Head, Department of Advanced Zoology and Biotechnology, Sri paramakalyani College, Alwarkurichi, Tirunelveli. Dr. P. Nazni, Associate Professor, Department of Food Science, Periyar University, Salem. Dr. N. Senthilkumar, Associate Professor and Head, Department of Biotechnology, Mizoram University, Mizoram. Dr. S. Sudhakar, Professor and Head, Department of Biotechnology, Sri Paramakalyani Centre for Environmental Science, Manonmaniam Sundaranar University, Alwarkurichi, Tirunelveli. Dr. S. Manokaran, Associate Professor, Department of Biochemistry, Annamalai University, Chidambaram. Dr. M. Johnson, Asst. Professor, Dept of Plant Biology and Biotechnology, St. Xavier's College, Palayamkottai.</p>	<p>CSIR- Rs.20,000/- ICMR- 25,000/-, NABARD- 30,000/-</p>
<p>Biotechnology: Glimpses of Future Prospects</p>	<p>9<sup>th</sup> &amp; 10<sup>th</sup> January 09</p>	<p>846</p>	<p>Dr. S. Vincent, Member Secretary, TNSCST, Chennai. Dr. G. Subramanian, Former Director, National Facility for Marine Cyanobacteria, Bharthidasan University, Thiruchirappalli. Dr. Arockiasamy Arulandu, Scientist, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi. Dr. S. Seeni, Director, Tropical Garden and Research Institute, Thiruvananthapuram. Dr. K. Ponnuel, Scientist-C, Central Silk Board, Bangalore. Dr. Mukesh Doble, Professor, Department of Biotechnology, IIT Madras, Chennai. Dr. A. Gnanamani, Scientist, Central Leather Research Institute, Chennai. Dr. K. Emmanuel Rajan, Lecturer, Dept. of Animal Cell Science, Bharthidasan University, Thiruchirappalli. Dr. M. Suriyavathana, Lecturer, Department of Biochemistry, Periyar University, Salem. Dr. Lakshmi Prabha, Sr. Lecturer, Department of Biotechnology, Karunya University, Coimbatore. Dr. T. S. Saravanan, Reader in Zoology, Jamal Mohamed College, Thiruchy</p>	<p>CSIR- 15,000, NABARD- 25,000/- TNSCST &amp; NCSTC- 10,000/-</p>

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc., Biotechnology	2007-2010	32	32	25	05	86.66
	2008-2011	22	22	12	05	100
	2009-2012	35	35	24	09	78.78
	2010-2013	29	26	22	Nil	68.18
	2011-2014	26	26	16	10	91.67
M.Sc., Biotechnology	2008-2010	102	102	40	58	93.87
	2009-2011	43	43	24	17	87.80
	2010-2012	32	29	16	12	96.42
	2011-2013	37	34	28	06	96.77
	2012-2014	12	12	08	04	100
M.Sc., Integrated Biotechnology (5 Years)	2005-2010	12	12	08	03	100
	2006-2011	11	11	06	05	100
M. Phil., Biotechnology	2008-2009	03	03	Nil	03	100
	2009-2010	10	10	3	7	90
	2010-2011	15	15	5	10	86.66
	2011-2012	11	8	4	4	75
	2012-2013	06	06	Nil	06	83.33
B.Sc., Bioinformatics	2008-2011	02	2	Nil	2	100
M.Sc., Bioinformatics	2008-2010	15	15	05	09	92.85

**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of students from other States	% of students from Abroad
B.Sc., Biotechnology	2010-2013	95	5	Nil
	2011-2014	100	Nil	Nil
	2012-2015	88	Nil	12
	2013-2016	98	02	Nil
	2014-2017	98	02	Nil
M.Sc., Biotechnology	2010-2012	82	18	Nil
	2011-2013	66	34	Nil
	2012-2014	100	Nil	Nil
	2013-2015	94	Nil	06
M. Phil., Biotechnology	2009-2010	100	Nil	Nil
	2010-2011	100	Nil	Nil
	2011-2012	100	Nil	Nil
	2012-2013	100	Nil	Nil
	2013-2014	100	Nil	Nil

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

Competitive Exam	Appeared	Qualified
GATE	1	1(2011)
UGC-CSIR	---	---
UGC-NET	---	---

SLET	3	1(2012)
TNPSC	1	1(2013)
Defense	---	---

### 29. Student progression

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
UG to PG					
Biotechnology	61	60	53	76	33
Bioinformatics	75	50	Nil	Nil	100
PG to M. Phil					
Biotechnology	06	06	11		
Bioinformatics	05	10	07	07	04
M. Phil to Ph. D	06	Nil	Nil	Nil	Nil
Ph. D. to Post-Doctoral	Nil	Nil	Nil	Nil	Nil
Employed					
• Campus selection					
B.Sc Biotechnology					50
M.Sc., Biotechnology					03
• Other than campus					
recruitment	Nil	Nil	Nil	06	
B.Sc., Biotechnology			02	Nil	05
M.Sc., Biotechnology					03
Entrepreneurship/Self-employment	Nil	Nil	Nil	Nil	Nil

### 30. Details of Infrastructural facilities

- a) **Library** : General Library  
 No. of Titles : 0962  
 No. of Volumes : 1056  
 No of Journals : 0010

- b) **Departmental Library:**  
 No of Books : 500  
 No of Journals : 001

#### b) Internet facilities for staff and students

- Department is equipped with two computers (one with internet facility)
- Free internet facility is available to the students at internet lab and Network Resource Centre

c) **Total No. of class rooms:** 06

e) **Laboratories:** 03

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

10 students have received financial assistance from Nationalized Banks

**32. Details on student enrichment programmes (special lectures / workshops/Seminar) with external experts**

Department	Details of		
	Special Lectures	Workshops	Conferences
Biotechnology	03	04	04

**33. Teaching methods adopted to improve student learning**

Over Head Projector, LCD, Paxisscope, CCTV and Camera attached microscopes and visual chart displays are available for use.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- Programmes on Bee Keeping, Mushroom Cultivation, Drip Irrigation, Sericulture, Ornamental Fish Culture, Environmental Awareness, Training for school teachers and students and Vermicomposting are conducted at regular intervals

**35. SWOC analysis of the department and Future plans**

**Strength**

- Institutional Membership with All India Biotech Association (AIBA), New Delhi, Biotech Consortium India Limited (BCIL), New Delhi
- Bagging Gold Medals and University ranks every year
- State-of-Art Laboratory enables students’ practical skills to meet global competencies
- Department Library facility
- Diversified faculty with professional competencies
- Conducting workshops/ seminars/guest lectures

**Weakness**

- Admission in PG Biotechnology is not encouraging
- Admitted students in UG and PG programmes are slow learners
- English Communication skill of students is not up to the mark

**Opportunities**

- Research career opportunities in academic and industrial areas
- Employment opportunities in industry
- Fellowships and Scientist opportunities are available in Govt. and Private Sectors
- Research Projects at Major and Minor levels are available for staff
- Self interested research projects can be undertaken

### **Challenges**

- Promotion of slow learners
- High cost factor for pursuing research
- State Government does not recognize this course for teaching jobs in schools

### **Future Plans**

- To introduce industry collaboration
- To publish research papers with impact factor
- To carry out major and minor funded research projects
- To improve consultancy services

# Evaluative Report of the Department

Department of Mathematics

## Evaluative Report of the Department

- 1. Name of the Department** : MATHEMATICS
- 2. Year of Establishment** : 2002
- 3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.,)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Mathematics	2002	210
2	M.Sc., Mathematics	2002	92
3	M. Phil., Mathematics	2012	20

- 4. Names of Interdisciplinary courses and the departments/units involved** : Nil

- 5. Annual/ semester/choice based credit system (programme wise) :**

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Mathematics	Semester & CBCS
2	M.Sc., Mathematics	Semester & CBCS
3	M. Phil., Mathematics	Semester & CBCS

- 6. Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-13	2013-14	
II B.Sc., Mathematics	NMEC I & II	Financial Statistics	143	148	178	Statistics
		HTML & Web Design	143	148	178	Computer Science
	NMEC - I	Basics of Computers and Office Automation	-	-	-	Computer Science
III B.Sc., Mathematics	SBEC-V	Programming in C	-	-	-	Computer Science
I M.Sc., Mathematics	EDC	Fundamentals of Computers & Communications	36	45	45	MCA

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**8. Details of courses/programmes discontinued (if any) with reasons :** Nil

**9. Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	21	21

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided in the last 4 years
Dr. V. Balasubramanian	M.Sc., M. Phil., Ph.D., DPCS.,	Asso. Prof. & Head	Differential Equations and Difference Equations	20	Nil
Mrs. C. Maheswari	M.Sc., M. Phil.,	Asst. Prof.	Fuzzy Matrices, Numerical Analysis	7	Nil
Miss. P. Sasikala	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Differential Equations	3	Nil
Mrs. P. Poorvaja	M.Sc., M. Phil.,	Asst. Prof.	Differential Equations	5	Nil
Miss. M. Kavitha	M.Sc., B.Ed.,	Asst. Prof.	Algebra, Analysis	2	Nil
Miss. R. Rani	M.Sc., B.Ed.,	Asst. Prof.	Pure Mathematics	1	Nil
Miss. A . Navaneetha	M.Sc.,	Asst. Prof.	Numerical Analysis, Differential Equations	1	Nil
Miss. R. Sasikala	M.Sc.,	Asst. Prof.	Pure Mathematics	1	Nil
Mrs. R. Parvatha	M.Sc., B.Ed., M. Phil.,	Asst. Prof.	Pure Mathematics	1	Nil
Mr. R. Suresh	M.Sc., B.Ed.,	Asst. Prof.	Pure Mathematics	1	Nil



Miss. M. Kokila	M.Sc., B.Ed.,	Asst. Prof.	Pure Mathematics	1	Nil
Mr. K. M. Sakthivel	M.Sc., B.Ed., M. Phil.,	Asst. Prof.	Pure Mathematics	0.8	Nil
Mr. G. Rajasekaran	M.Sc., M.B.A., M. Phil.,	Asst. Prof.	Pure Mathematics	0.8	Nil
Mrs. A. Kavitha	M.Sc., B.Ed., M. Phil.,	Asst. Prof.	Algebra, Differential Equations	0.8	Nil
Mrs. P. Ramya	M.Sc., B.Ed., M. Phil.,	Asst. Prof.	Graph theory	0.8	Nil
Mr. M. Suresh	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Numerical solution of Differential Equations, Fractional Analysis	4.1	Nil
Mrs. S. Jeevitha	M.Sc., M.Ed., M. Phil.,	Asst. Prof.	Graph theory	0.1	Nil
Miss. S. Bharathi	M.Sc., M. Phil.,	Asst. Prof.	Algebra	0.1	Nil
Mrs. S. Suguna	M.Sc., B.Ed., M. Phil.,	Asst. Prof.	Partial Differential Equations	0.1	Nil
Mr. K. Kumar	M.Sc., M. Phil.,	Asst. Prof.	Algebra, Analysis, Differential Equations	0.1	Nil
Miss. N. Sharanya	M.Sc.,	Asst. Prof.	Graph theory	0.1	Nil
Miss. M. Santhosam	M.Sc.,	Asst. Prof.	Functional Analysis, Numerical Analysis	0.1	Nil

**11. List of senior visiting faculty:** Nil

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Mathematics	29:1
M.Sc., Mathematics	14:1
M. Phil., Mathematics	05:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG:** Vide answer for question 10

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

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

**18. Research Centre /facility recognized by the University:**

- Department of Mathematics has got the status of Research centre in 2012 (M. Phil) affiliated to Periyar University, Salem.

**19. Publications:**

a) Publication per faculty

Number of papers published in peer reviewed journals (National / International) by faculty and students.

S.No	Name of the Staff	Number of Publications	
		National	International
1	Dr. V. Balasubramanian	-	05

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor : 1
- h-index : Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

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

b) Percentage of students placed for projects in organizations Outside the institution i.e.in Research laboratories/Industry/Other agencies: Nil.

**23. Awards / Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists / visitors to the department:** Nil

**25. Seminars/ Conferences/Workshops organized & the source of funding**

a) National b) International : Nil

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc., Mathematics	2008-11	55	55	26	29	98
	2009-12	178	178	74	104	84
	2010-13	144	144	50	94	78
	2011-14	160	149	40	109	89
M.Sc., Mathematics	2008-10	17	17	06	11	75
	2009-11	27	27	13	14	74
	2010-12	35	35	08	27	57
	2011-13	36	36	16	20	39
	2012-14	55	45	9	36	38
M. Phil., Mathematics	2012-13	15	15	03	12	50
	2013-14	21	12	4	8	Awaiting for results

**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
UG	2010-2013	100	--	--
	2011-2014	100	--	--
	2012-2015	100	--	--
	2013-2016	100	--	--
	2014-2017	100	--	--
PG	2009-2011	97	--	03
	2010-2012	100	--	--
	2011-2013	100	--	--
	2012-2014	100	--	--
	2013-2015	100	--	--

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

**29. Student progression**

Student Progression	Against % Enrolled					
	2009	2010	2011	2012	2013	2014
UG to PG	100	83	44	34	14	
PG to M. Phil	43	19	36	29	09	
Employed						
• Campus selection	--	02	01	12	14	20
• Other than campus recruitment	--	15	21	33	35	
Entrepreneurship/ Self-employment	--	--	--	--	--	--

**30. Details of Infrastructural facilities**

**a) Library** : General Library

No. of Titles : 1201

No. of Volumes : 2175

No. of Journals : 0003

**b) Internet facilities for Staff & Students:**

- Department is equipped with three computers (one with internet facility)
- Free internet facility is available to the students at Internet Lab

**c) Class rooms with ICT facility:**

- One common audio- video hall is available in our block

**d) Laboratories:**

- One common computer lab for M. Phil., students (15 computers with internet facility)

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

75 students have been the beneficiaries of fee concession from the Management during the period 2008-2013.

**32. Details on student enrichment programmes (special lectures/ workshops / Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	National Seminars
Mathematics	02	02	01

**33. Teaching methods adopted to improve student learning:**

- Conducting subject-related quiz programmes within the classes
- Encouraging the PG students to take up projects in the fields they are interested in Handling classes using PPT

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil.

**35. SWOC analysis of the department and Future Plans**

**Strength**

- Teachers with subject – proficiency
- Securing University ranks every year
- A good response in admissions to both UG & PG
- Mathematics plays a vital role in arriving at exact results and conclusions

**Weakness**

- Most of the students lack computer knowledge
- Student's falling short of communicative skills in English leads to less number of placements

**Opportunities**

- Because of high IQ, Mathematics students easily pass competitive examinations
- Fellowships and Projects are available for the staff and Research Scholars

**Challenges**

- To create interest in students for clearing SET or CSIR exams
- To motivate the students for getting in depth knowledge in the subject and to create interest in research
- To provide skill based education to the students to meet the global demands

**Future Plans**

- To obtain a good number of placements
- To increase the number of University ranks and gold medals
- To make the department a role model
- To introduce Ph.D., programme

# Evaluative Report of the Department

Department of Physics

**Evaluative Report of the Department**

1. **Name of the Department** : PHYSICS
2. **Year of Establishment** : 2002
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Physics	2002	100
2	M.Sc., Physics	2003	80
3	M. Phil., Physics	2012	15

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

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

S.No.	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Physics	Semester & CBCS
2	M.Sc., Physics	Semester & CBCS
3	M. Phil., Physics	Semester & CBCS

6. **Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the course
			2011-12	2012-13	2013-2014	
II B.Sc., Physics	NMEC I & II	Cellular Phones	36	46	41	Electronics & Communication
		Satellite & Cable TV	36	46	41	
I M.Sc., Physics	EDC	Cellular Phone Servicing	20	30	22	

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons** : Nil



**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Asst. Professors	10	10

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D Students guided in the last 4 years
Mr. M. Muthusamy	M.Sc., M. Phil.,	Asso. Prof. & Head	Material Science	10	Nil
Mrs. G. Bhuvanewari	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Crystal Growth	3	Nil
Ms. S. Parveen Banu	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Crystal Growth	7	Nil
Mrs. M. Revathi	M.Sc., B.Ed.,	Asst. Prof.	Material Science	3	Nil
Mrs. N. Nithya	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Crystal Growth	3	Nil
Ms. L. Mohana	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Material Science	2	Nil
Mrs. K. Amsa	M Sc., B Ed.,	Asst. Prof.	Material Science	--	Nil
Mr. A. Gowthaman	M Sc., B Ed.,	Asst. Prof.	Crystal Growth	--	Nil
Mr. V. Satheesh Kumar	M.Sc.,	Asst. Prof.	Material Science	--	Nil
Mrs. B. Kavitha	M.Sc., B.Ed.,	Asst. Prof.	Material Science	2	Nil
Mrs. A. Manaka	M.Sc., B.Ed.,	Asst. Prof.	Crystal Growth	1	Nil

**11. List of senior visiting faculty:** Nil

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Physics	21:1
M.Sc., Physics	06:1
M. Phil., Physics	05:1

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

Laboratory Assistant: 01 (Sanctioned: 01).

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG:** Vide answer for Question 10.

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

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

**18. Research Centre /facility recognized by the University:**

- Department of Physics has got the status of research centre in Physics in the year 2012 (M. Phil) affiliated to Periyar University, Salem
- Mr. M. Muthusamy and Miss. S. Parveen Banu are approved research guides (for M. Phil) under Periyar University, Salem

**19. Publications:**

a) Publication per faculty Number of papers published in peer reviewed journals (National / International) by faculty and students

S.No	Name of the Staff	Number of Publications	
		National	International
1.	Mr. M. Muthusamy	--	02
2.	Dr. S. Thangavel	--	02

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/  
ISSN numbers with  
details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : 1.486
- h-index : Nil

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

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

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

**23. Awards / Recognitions received by faculty and students: Nil**

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. A. K. Arora, Scientist IGCAR, Kalpakkam	24 <sup>th</sup> & 25 <sup>th</sup> Jan 2008	Prof S. Bhudhudu Department of Physics, Sri Venkateshwara University, Thirupathi.	04 <sup>th</sup> & 05 <sup>th</sup> Feb 2011
Dr. S. Kunasekaran Registrar, Periyar University, Salem.	05 <sup>th</sup> & 06 <sup>th</sup> Feb 2010	Dr. K. Srinivasan, Associate Professor, Department of Physics, School of Physical Science, Bharathiyar University, Coimbatore. 641 046	26 <sup>th</sup> Sep 2011

Dr. K. Sundararaman. Sr. Scientist, Indian Institute of Astrophysics Observatory, Kodaikkanal.	19 <sup>th</sup> March 2010	Prof. G. Mohanrao, Department of Instrumentation and Applied Physics, Indian Institute of Science ,Bangalore-560 012.	02 <sup>th</sup> & 03 <sup>th</sup> Feb 2012
Dr. Velraj. Asst. Professor, Department of Physics, Periyar University, Salem.	12 <sup>th</sup> October 2010	Dr. R. Bharathikannan., Assistant Professor, Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore.	7 <sup>th</sup> March 2013

## 25. Seminars/ Conferences/Workshops organized & the source of funding

a) National    b) International

S.No	Dept	Event	Date	Resource person	Amount (Rs.) sanctioned
1	Physics	International Year of Astronomy	19 <sup>th</sup> March 10	Dr. K. Sundararaman. Sr. Scientist, Indian Institute of Astrophysics Observatory, Kodaikkanal	10,000 (TNSCST)
2		State Level Seminar on “Growth and Applications of Nanotechnology” ( NANTEC- 08)	24.01.08 & 25.01.08	Dr. A. K. Arora Scientist IGCAR Kalpakkam	50,000 (DST)
3		National Conference on “Recent Advances in Spectroscopy and Electronics” ( SPEC-10)	05.02.10 & 06.02.10	Dr. S. Kunasekaran Registrar Periyar University Salem.	20,000 (CSIR)

## 26. Student profile programme/course wise:

Programme	Batch	Applications Received	Selected	Enrolled		Pass Percentage
				M	F	
B.Sc., Physics	2008-11	11	11	03	08	91
	2009-12	35	35	18	17	44
	2010-13	36	36	08	28	72
	2011-14	46	46	20	26	61
M.Sc., Physics	2008-10	30	30	15	15	75
	2009-11	23	23	09	14	55
	2010-12	28	28	13	15	75
	2011-13	20	20	09	11	75
	2012-14	30	30	7	23	90

**27. Diversity of Students**

Name of the Course	Year	% of students from the same State	% of students from other States	% of students from Abroad
B.Sc., Physics	2010-2013	100	-	-
	2011-2014	100	-	-
	2012-2015	100	-	-
	2013-2016	100	-	-
	2014-2017	100	-	-
M.Sc., Physics	2010-2012	89	11	-
	2011-2013	95	05	-
	2012-2014	97	03	-

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

**29. Student progression**

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
UG to PG	23	23	35	11	13
PG to M. Phil	-	-	03	06	05
PG to Ph. D	-	-	-	-	-
M. Phil to Ph. D	-	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-	-
Employed • Campus selection • Other than campus recruitment	-	-	-	-	-
Entrepreneurship/Self-employment	-	-	-	-	-

**30. Details of Infrastructural facilities**

**a) Library** : General Library

No. of Titles : 0555

No. of Volumes : 1259

No. of Journals : 0002

**b) Internet facilities for Staff & Students:**

- Department is equipped with one computer with internet facility which is utilized by the staff members
- Free internet facility is available to the students at Internet Lab and Network Resource Centre

**c) Class rooms with ICT facility:**

- One common audio- video hall is available in our block  
Total No. of Class Rooms: 06

**d) Laboratories:** 02

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

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Department	Details of		
Physics	Special Lectures	Workshops	Seminars/Conferences
	04	-	04

**33. Teaching methods adopted to improve student learning**

- Power Point Presentation Method
- Science related projects to enhance the students' interest in research
- The students improve their skills through industrial visit arranged by the department
- PG students are encouraged to undertake projects related to their subjects
- Students are encouraged to participate in seminars, conferences, etc.,

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil

**35. SWOC analysis of the department and Future plans**

**Strength**

- Qualified teachers with professional competencies
- The students secure university ranks every year
- Publishing articles in reputed journals
- Organizing state /national level conferences periodically
- Demand for the course from the students is highly encouraging

**Weakness**

- English competency is not upto the mark

**Opportunities**

- Students find placements easily in Central Government Organizations. (Navy, Defence, Aeronautics, Space Research etc)
- Research assistance in ISRO, DRDO, IGCAR etc.,

**Challenges**

- To create interest in students for research in the field of physics
- To provide skill based education to the students to meet the global demands

**Future Plans**

- To extend the research activities to doctorate level
- To improve the number of international paper publications
- Plan to conduct international conferences

# Evaluative Report of the Department

Department of Chemistry



### Evaluative Report of the Department

**1. Name of the Department** : CHEMISTRY

**2. Year of Establishment** : 2003

**3. Names of Programmes / Courses offered (UG, PG, M. Phil.,)**

S.No	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Chemistry	2003	100
2	M.Sc., Chemistry	2003	80
3	M.Sc., Organic Chemistry	2006	40
4	M. Phil., Chemistry	2012	20

**4. Names of Interdisciplinary courses and the departments/units involved :**

Class	Number of Course	Course Code and Title	Number of Students	Department offering the Course
			2013-14	
I M.Sc., Applied Microbiology	1	12AMB03 Pharmaceutical Chemistry (2 Units: I & II)	10	Microbiology

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

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Chemistry	Semester & CBCS
2	M.Sc., Chemistry	Semester & CBCS
3	M.Sc., Organic Chemistry	Semester & CBCS
4	M. Phil., Chemistry	Full Time
		Part Time

### 6. Participation of the department in the courses offered by other departments

Class	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-13	2013-14	
II B.Sc., Chemistry	NMEC I & II	08UBCN01 Biochemistry in Diagnosis	49	56		Bio Chemistry
		08UBCN04 Biochemistry in Health	49	-		Bio Chemistry
		08UCSN04 HTML and Web Design	-	56		Computer Science
		12UCSN01 Fundamentals of Information Technology	-	-	49	Computer Science
		12UCSN04 HTML and Web Design	-	-	49	Computer Science
I M.Sc., Chemistry	EDC	12PCSED2 Fundamentals of Computers and Communications	37	44	28	Computer Science
I M.Sc., Organic Chemistry		12PCSED2 Fundamentals of Computers and Communications	09	08	-	Computer Science

### 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Collaboration with Annamalai University in matters of research.

### 8. Details of courses/programmes discontinued (if any) with reasons : Nil

### 9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	04	04
Asst. Professors	07	07

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No.of Ph. D Students guided in the last 4 years
Mrs. N. Sudha	M.Sc., M. Phil.,	Asso. Prof. & Head	Supra Molecular Chemistry	10	Nil
Mrs. P. Sumathi	M.Sc., M. Phil.,	Asso. Prof.	Organic Synthesis	9	Nil
Mrs. S. Mohana Priya	M.Sc., M. Phil., B.Ed	Asso. Prof.	Organic & Inorganic Preparations	8	Nil
Mr. R. Pa. Bhoopathy	M.Sc., M. Phil.,	Asso. Prof.	Coordination Chemistry	10	Nil
Mrs. J.Vijaya	M.Sc., M. Phil., B.Ed.,	Asst. Prof.	Physiorganic Chemistry	6	Nil
Mr. S. Selvaraj	M.Sc., B.Ed.,	Asst. Prof.	Organic Synthesis	4	Nil
Dr. N. Nithiya	M.Sc., Ph. D.,	Asst. Prof.	Spectroscopy	3	Nil
Ms. S. Amudha	M.Sc., M. Phil.,	Asst. Prof.	Nano Chemistry	2	Nil
Mr. K. Jayakumar	M.Sc., B.Ed.,	Asst. Prof.	Coordination Chemistry	2	Nil
Mrs. M. Saranya	M.Sc., B.Ed.,	Asst. Prof.	Organic Synthesis	1	Nil
Ms. C. Nithiya	M.Sc., B.Ed.,	Asst. Prof.	Organic Synthesis	1	Nil

**11. List of senior visiting faculty:** Nil.

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., Chemistry	17 :1
M.Sc., Chemistry	06 :1
M.Sc., Organic Chemistry	01:1
M. Phil., Chemistry	04:1

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

Laboratory Assistant: 01 (Sanctioned: 01)

Laboratory Attender: 01 (Sanctioned: 01)

**15. Qualifications of teaching faculty with D.Sc / D.Litt/ Ph. D/ M. Phil / PG: Vide answer for question 10.**

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

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

**18. Research Centre /facility recognized by the University:**

- Department of Chemistry has got the status of Research centre in Chemistry in 2012 (M. Phil) affiliated to Periyar University, Salem
- Mrs. N. Sudha, Mrs. P. Sumathi, Mrs. S. Mohanapriya, Mr. R. Pa. Bhoopathy and Dr. N. Nithiya are approved as Research Guides for M. Phil under Periyar University, Salem

**19. Publications:**

a) Publication per faculty.

Number of papers published in peer reviewed journals (National / International) by faculty and students.

S.No	Name of the Staff	Number of Publications	
		National	International
1	Mrs. N. Sudha	-	05
2	Mrs. P. Sumathi	-	01
3	Dr. N. Nithiya	-	02

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/  
ISSN numbers with  
details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor : 1.128, 2.044, **0.982, 0.667**, Nil, 2.588,  
4.357
- h-index : Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

**a) Percentage of students who have done in-house projects including interdepartmental/programme:** 76.4 %.

**b) Percentage of students placed for projects in organizations Outside the institution i.e.in Research laboratories/Industry/ Other agencies:** 23.6 %.

**23. Awards / Recognitions received by faculty and students**

S.No.	Name of the Faculty	Awards
1	Dr. N. Nithiya	Qualified GATE (2003) and NET (2001 & 2002) Examinations

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. K. K. Balasubramanian, Shasun Research Centre, Chennai	08.05.2009	Dr. D. Sukumar, Bharathiyar College of Engineering and Technology, Karaikal	03.09.2011 & 04.09.2011
Dr. I.V. Muthu Vijayan Enoch, Karunya University, Coimbatore	07.10.2009	Dr. I.V. Muthu Vijayan Enoch, Karunya University, Coimbatore	11.10.2012
Dr. K. K. Balasubramanian, Shasun Research Centre, Chennai	15.02.2010	Dr. M. Sathish, Scientist, Functional Materials Division, Karaikudi	10.09.2013
Dr. A. Burkanudeen, Jamal Mohammed College, Trichy	15.09.2010	Mr. R. Mohanraj, Guest Lecturer, Department of Chemistry, Periyar University, Salem	04.10.2013

**25. Seminars/ Conferences/Workshops organized & the source of funding**  
**a) National b) International**

S.No	Event	Date	No.of Participants	Resource Person	Amount (Rs.) Sanctioned
1.	National level seminar on "Recent advances in Spectroscopy and Electronics"	05.02.2010 & 06.02.2010	1500	Prof. K. S. Viswanathan, IGCAR, Kalpakkam & Dr.S. Kunasekaran, Registrar, Periyar University, Salem.	20,000/- (CSIR)

**26. Student profile programme/course wise:**

Name of the Course/Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc., Chemistry	2011-2014	60	53	16	37	80
	2010-2013	50	50	26	24	70
	2009-2012	55	43	27	12	74

	2008-2011	16	16	07	09	81
	2007-2010	22	22	16	06	41
M.Sc., Chemistry	2011-2014	50	44	34	10	49
	2011-2013	38	38	19	19	46
	2010-2012	39	39	26	13	47
	2009-2011	40	30	13	17	78
	2008-2010	32	32	18	14	66
M.Sc., Organic Chemistry	2011-2014	09	08	05	03	100
	2011-2013	09	9	04	05	78
	2010-2012	12	12	08	04	84
	2009-2011	09	09	07	02	67
	2008-2010	12	12	03	09	75

## 27. Diversity of Students

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
B.Sc., Chemistry	2014-2017	99	01	-
	2013-2016	100	-	-
	2012-2015	98	02	-
	2011-2014	100	-	-
	2010-2013	100	-	-
	2009-2012	95	03	02
M.Sc. Chemistry	2013-2015	100	-	-
	2012-2014	100	-	-
	2011-2013	100	-	-
	2010-2012	97	03	-
	2009-2011	93	07	-
M.Sc., Organic Chemistry	2013-2015	-	-	-
	2012-2014	100	-	-
	2011-2013	89	11	-
	2010-2012	67	33	-
	2009-2011	67	33	-
M. Phil	2013-2014	100	-	-
	2012-2013	93	07	-

8. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc. ? : 02 (NET).

### 29. Student progression

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
UG to PG	56	50	59	50	44
PG to M. Phil.	16	12	2	17	4
PG Organic Chemistry to M. Phil.	-	16	11	2.6	33
PG to Ph. D.	-	4	2	3	2.7
PG Organic Chemistry to Ph. D.	11	-	-	-	-
M. Phil to Ph. D.	-	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-	-
<b>Employed</b> • Campus selection • Other than campus recruitment	74	- 71	- 56	3 67	17 47
Entrepreneurship/Self-employment	-	-	-	-	-

### 30. Details of Infrastructural facilities

a) **Library** : General Library

No. of Titles : 0676

No. of Volumes : 1120

No. of Journals : 03

b) **Internet facilities for Staff & Students:**

- Department is equipped with two computers (one with internet facility)
- Free internet facility is available to the students at internet lab

c) **Class rooms with ICT facility** :

- One common audio- video hall is available in our block



**d) Laboratories** : 03

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

37 students have been given fee concession by the Management during the period 2010-2013.

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	National Seminars
Chemistry	06	02	03

**33. Teaching methods adopted to improve student learning**

- Ball and Stick models are used for better understanding of the concepts in Organic and Inorganic Chemistry
- Brainstorming sessions are conducted to all the UG students
- Utilizing LCD for giving power point presentation for visual understanding of concepts
- Demonstration using research instruments available in lab
- Assigning projects to enhance their interest in research
- Students are taken on Industrial visits to Chemical companies and National laboratories
- PG students are encouraged to undertake projects related to their subjects

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil.

**35. SWOC analysis of the department and Future plans**

**Strength**

- Qualified teachers with professional competencies
- Full- fledged modern laboratory
- Achieving University ranks and gold medals consecutively
- Steady increase in admissions in UG course

**Weakness**

- There is low pass percentage with regard to PG students
- Communicative ability of students in English is not appreciable
- Admission in PG course is not encouraging.

### **Opportunities**

- Job-oriented course (academically and industrially)
- Students can work in R & D labs, chemical companies, academic institutions
- Demand for chemistry graduates is high

### **Challenges**

- To frame a syllabus which ensures the student to meet the demands of the industries
- To create interest in students for research
- To provide skill based education to the students to meet the global demands

### **Future Plans**

- To improve the PG pass percentage
- To have MOU with Industries
- To convert the department into research centre for doing Ph. D
- To publish a research journal

# Evaluative Report of the Department

Department of Hotel Management & Catering Science

**Evaluative Report of the Department**

- 1. Name of the Department** : HOTEL MANAGEMENT & CATERING SCIENCE
- 2. Year of Establishment** : 2003
- 3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters, Integrated Ph. D., etc.)**

S.No	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., Hotel Management and Catering Science	2003	50

- 4. Names of Interdisciplinary courses and the departments/units involved** : Nil.

- 5. Annual/Semester/Choice based credit system (Programme Wise) :**

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., Hotel Management and Catering Science	Semester & CBCS

- 6. Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the course
			2011-12	2012-13	2013-14	
II B.SC HM&CS	NMEC I & II	12UBAN01 Principles Of Management	19	16	14	BBA
		12UBAN02 Human Resource Management	19	16	14	BBA

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil.

- 8. Details of courses/programmes discontinued (if any) with reasons** : Nil

- 9. Number of Teaching Posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	1	1
Asst. Professors	3	3

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No.of Ph. D Students Guided in the last 4 Years
Mr. A. Jaganathan	M.Sc., MA., NET.,	Asso. Prof. & Head	Front Office	9	Nil
Mr. N. Mohan	MBA.,	Asst. Prof.	House Keeping	5	Nil
Mr. M. Mohanraj	MA.,	Asst. Prof.	Food & Beverage Service	6	Nil
Mr. S. Mugunthakumar	MBA.,	Asst. Prof.	Food Production	2	Nil

**11. List of senior visiting faculty** : Nil.

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

**13. Student -Teacher Ratio (Programme Wise)**

Programme	Student - Teacher Ratio
B.Sc HM&CS	13:1

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

Laboratory Attender : 01.

Sanctioned : 01.

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG:** Vide answer for question 10.

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

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

Name of the Course	Funding Agency	Year & Amount Sanctioned (Rs. In Lakhs)
Evaluation Of Body Mass Index And Its Remedial Actions For Rural Students	TNSCST	0.25/-

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications:**

a) Publication per faculty.

Number of papers published in peer reviewed journals (National / International) by faculty and students .

S.No	Name of the Staff Members	Number of Publications	
		National	International
1.	Mr. A. Jaganathan	1	-

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN numbers with details of publishers : 978-93-8013-19-8 TSSL, TRICHY.
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

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

**23. Awards / Recognitions received by faculty and students : Nil**

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

Name of the Invited Lecturer/ Industrial Expert	Date of the Programme	Name of the Invited Lecturer/ Industrial Expert	Date of the Programme
Mr. Raja Bar Manager	02.07.2009	Mr.Karthick, Head Thai Institute of Carving, Cuddalore	16.04.2013
Mrs. Shoba, Selvam florist Salem	16.12.2009	Mr.Suresh, Table Artist Brain Boosters Institute, Chennai	22.8.2013
Mr. Rohan Carvalho Indian ambassador-world flair association bar-square, Bangalore	25.02.2010		

**25. Seminars/ Conferences/Workshops organized & the source of funding**

a) National b) International

S.No.	Event	Date	No.of Participants	Resource Person	Amount Sanctioned by TNSCST
1.	Evaluation Of Body Mass Index And Its Remedial Actions For Rural Students	18/10/12	300 School Students	Dr.R.Jayapal & Dr.R.Saravanan	Rs. 25,000

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc., HM&CS	2008-2011	22	22	22	-	56
	2009-2012	21	21	21	-	57.89
	2010-2013	19	19	18	01	78.94
	2011-2014	20	17	16	01	62.50

**27. Diversity of Students**

Name of the Course	Year	% of Students From the Same State	% of Students From other States	% of Students From Abroad
B.Sc., HM&CS	2010-2013	89.5	10.5	-
	2011-2014	93.75	-	06.25
	2012-2015	85.71	-	14.29
	2013-2016	100	-	-
	2014-2017	100	-	-

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

**29. Student Progression**

Student Progression	Against % enrolled					
	2009	2010	2011	2012	2013	2014
UG to PG	12	07	04	10	26.3	6.25
PG to M. Phil.,	-	-	-	-	-	-
M. Phil., to Ph. D.,	-	-	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-	-	-
Employed • Campus selection • Other than campus recruitment	60	48	82	80	73.68	93.75
Entrepreneurship/ Self-employment	24	42	--	10	--	-

**30. Details of Infrastructural Facilities**

- a) Library : Common Library  
 No. of Titles : 194  
 No. of Volumes : 239  
 No. of Journals : 002

b) Internet facilities for Staff & Students:

- Department is equipped with one computer with internet facility which is utilized by the staff members
- Free internet facility is available to the students at Internet Lab Class

c) Rooms with ICT facility: One common audio- video hall is available in our block.

d) Laboratories : 01

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

One student received fee concession from the Management during the period 2009-2012.

**32. Details on student enrichment programmes (Special Lectures / workshops / Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	Seminars
B.Sc., HM&CS	-	05	-



### **33. Teaching methods adopted to improve student learning**

- The students are sent to Industries for ODC which are related to their curriculum (Hotels & Functions)
- Students are taught through PowerPoint presentations
- They are encouraged to visit the labs

### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**

### **35. SWOC analysis of the department and Future plans**

#### **Strength**

- Qualified teachers with professional competencies
- Securing university ranks every year
- A job oriented course
- Great demand for the successful graduates in hospitality industry
- A subject which can be easily grasped even by an average student

#### **Weakness**

- Lack of awareness about the significance of this course in the youth of this part of the state
- Most of the students are from rural areas and are slow learners who need special coaching
- Poor response from the student community to join the course
- Fluency in English is not up to the mark

#### **Opportunities**

- Students have employment opportunities in hospitality industry, hospitals, govt. sectors, cruise, etc.
- All the third year students get placements even before the completion of the course

#### **Challenges**

- To provide skill based education to the students to meet the global demands
- To enroll enough number of students

#### **Future Plans**

- Starting a bakery in which students get professional training and ensuring supply of quality products at low cost to the public
- To construct an ultra - modern guest house to provide cozy accommodation to the guest

# Evaluative Report of the Department

Department of Textile & Fashion Design

### Evaluative Report of the Department

**1. Name of the Department :** TEXTILE AND FASHION DESIGNING

**2. Year of Establishment :** 2005

**3. Names of Programmes / Courses offered**

(UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.,)

S.No.	Name of the Programme of the Programme	Year of Affiliation	Sanctioned Strength
1	B.Sc., TFD	2005	50
2	M.Sc., TFD	2006	40

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

**5. Annual/ semester/choice based credit system (programme wise)**

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.Sc., TFD	Semester & CBCS
2	M.Sc., TFD	Semester & CBCS

**6. Participation of the department in the courses offered by other departments**

Dept	Number of Course	Course Code and Title	Number of Students			Department offering the Course
			2011-12	2012-13	2013 - 14	
B.Sc., TFD	Allied Practical	12UTFAP01 Fundamentals of Computer	20	27	37	Computer Science
M.Sc., TFD	EDC	12PBAED1 Entrepreneurship Development	08	11	09	Commerce

**7. Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil.

**8. Details of courses/programmes discontinued (if any) with reasons:** Nil.

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	Nil	Nil

Associate Professors	Nil	Nil
Asst. Professors	08	08

**10. Faculty profile with name, qualification, designation, Specialization, (D.Sc./D.Litt. /Ph. D. / M. Phil. etc.,)**

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No.of Ph. D Students guided in the last 4 years
Ms. M. Saranya	M.Sc., (M. Phil., MBA).	Asst. Prof. & Head	CAD in Textile And Fashion	2	Nil
Mr. K. Sakthivel	M.Sc., (Ph. D).,	Asst. Prof.	Textile Science	3	Nil
Mrs. R. Anusuya	M.Sc.,	Asst. Prof.	Advance Garment Construction	1	Nil
Mrs. J. Vidya	M.Sc., M. Phil.,	Asst. Prof.	Fiber & Yarn Science	0.5	Nil
Ms.J.Baby Stella	M.Sc., M. Phil.,	Asst. Prof.	Textile Processing	0.5	Nil
Ms.P.Varalakshmi	M.Sc.,	Asst. Prof.	Fashion Marketing	0.5	Nil
Mr. C. Uwaneshwaran	M.Sc.,	Asst. Prof.	Fashion Designing	-	Nil
Mr. R. B. Nivedha	M.Sc.,	Asst. Prof.	Fiber & Yarn Science	-	Nil

**11. List of senior visiting faculty: Nil.**

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.Sc., TFD	14:1
M.Sc., TFD	02:1

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

No of Lab Technician : 01  
 No of Lab Attender : -

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG.:** Vide answer for Question 10.

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

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

**18. Research Centre /facility recognized by the University:** Nil

**19. Publications:**

a) Publication per faculty: Nil

**20. Areas of consultancy and income generated :** Nil

**21 Faculty as members in**

a) National Committees : Nil

b) International Committees : Nil

c) Editorial Boards : Nil

**22. Student projects**

a) Percentage of students who have done in-house projects including inter departmental/ programme: 80 %

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ Other agencies: 20%

**23. Awards / Recognitions received by faculty and students:** Nil

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Dr. K. Palaniswamy Head/ Dept of Textile Technology KSR College of Technology Thiruchengode	22.02.12

**25. Seminars/ Conferences/Workshops organized & the source of funding**

a) National :Nil

b) International :Nil

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass Percentage
				M	F	
B.Sc., TFD	2008 -2011	25	23	16	07	78
	2009 - 2012	39	39	24	15	82
	2010 - 2013	23	23	07	16	87
	2011 - 2014	23	20	9	11	74
M.Sc., TFD	2009 - 2011	11	11	-	11	100
	2010 - 2012	09	09	01	08	100
	2011 - 2013	08	08	01	07	100
	2012- 2014	11	11	2	9	63.63

**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
B.Sc.,TFD	2010-2013	91	09	-
	2011-2014	95	05	-
	2012-2015	93	07	-
	2013-2016	100	Nil	-
	2014-2017	98	2	-
M.Sc.,TFD	2010-2012	67	33	-
	2011-2013	88	12	-
	2013-2014	100	-	-

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

**29. Student progression**

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2010-13
UG to PG	-	-	-	09	10
PG to M. Phil	-	-	-	-	-
M. Phil to Ph. D	-	-	-	-	-
Ph. D. to Post-Doctoral	-	-	-	-	-
Employed					
• Campus selection	-	35	35	25	23
• Other than campus recruitment					
Entrepreneurship/Self-employment	-	-	-	-	-

**30. Details of Infrastructural facilities**

- a) **Library** : General Library  
 No of Titles : 151  
 No of Volumes : 163  
 No of Journals : 002

b) **Internet facilities for staff and students**

- Department is equipped with one computer with internet facility which is utilized by all the staff members
- Free internet facility is available to the students at internet lab and network resource centre
- Total No. of class rooms: 05

c) **Class rooms with ICT facility:**

- One common audio- video hall is available in our block

d) **Laboratories:** 01

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

Only one student is given fee concession by the Management during the period 2010-2013

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts**

Department	Details of		
	Special Lectures	Workshops	Seminars
Textile & Fashion Designing	02	11	03

**33. Teaching methods adopted to improve student learning**

- Conducting unit tests for each subject
- Conducting week tests for each subject
- Conducting arrear classes by student faculty

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil

**35. SWOC analysis of the department and Future plans**

### **Strength**

- Job-oriented course
- Creating job-providers
- Students bag university gold medals or ranks

### **Weakness**

- Lack of advanced testing equipments
- Awareness about the significance of the course is not encouraging among youth

### **Opportunity**

- Students have employment opportunities in various textile fields
- Students can become entrepreneurs

### **Challenges**

- To improve the extension activities of the students
- To improve the standard of the students to meet the global demands

### **Future Plans**

- Academic linkage with research institutions
- To introduce certificate courses
- To conduct more workshops related to recent developments in textile field



# Evaluative Report of the Department

Department of English

## Evaluative Report of the Department

1. **Name of the Department** : ENGLISH
2. **Year of Establishment** : 2009
3. **Names of Programmes / Courses offered (UG and PG)**

S.No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
1	B.A., English	2009-2010	210
2	M.A., English	2012-2013	46

4. **Names of Interdisciplinary courses and the departments/units involved.** : Nil
5. **Annual/ semester/choice based credit system (programme wise)**

S.No	Name of the Programme	Annual/ Semester/Choice Based Credit System
1	B.A., English	Semester & CBCS
2	M.A., English	Semester & CBCS

6. **Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students			Department offering the course
			2011-12	2012-13	2013-14	
II B.A., English (Semester 3)	NMEC - I	Salai Pathukkapu Vithigal	173	146	208	Tamil
II B.A., English (Semester 4)	NMEC -II	Pechukkalai	173	146	208	Tamil
I M.A., English (Semester 2)	EDC -I	Business Communication	29	46	38	Commerce

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil.
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	31	31

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 years
Mr. S. Gopinath	M.A., M. Phil.,	Asst. Prof. & Head	American Literature	7	Nil
Mr. S. Sivakumaran	M.A., M. Phil., B.Ed.,	Asst. Prof.	Indian Writing in English	6	Nil
Mr. M. Sivarama Karthikeyan	M.A., M. Phil.,	Asst. Prof.	Translation	6	Nil
Mr. K. R. Rajakarthy	M.A.,	Asst. Prof.	Diasporic Writing	5	Nil
Mrs. N.Prabhavathi	M.A., M.Ed.,	Asst. Prof.	English Language Teaching	4	Nil
Mrs. S. Lavanya	M.A., B.Ed.,	Asst. Prof.	Diasporic Writing	4	Nil
Ms. D. Gayathri	M.A., M. Phil.	Asst. Prof.	Afro – American Literature	4	Nil
Mr. S. Rathinam	M.A., M.Ed., M. Phil.,	Asst. Prof.	Linguistics	3	Nil
Mrs. S. Devashanthi	M.A., M. Phil.,	Asst. Prof.	Afro American Literature	2	Nil
Mr. E. Karthikeyan	M.A., B.Ed.,	Asst. Prof.	English Language Teaching	2	Nil
Mr. S. Karthick	M.A., M. Phil.,	Asst. Prof.	Poetry	2	Nil
Mr. V. Balamurugan	M.A., M. Phil., B.Ed.,	Asst. Prof.	Dalit Writings	2	Nil
Ms. E. Sakthipriya	M.A., B.Ed.,	Asst. Prof.	Folk Literature	1	Nil
Mr. S. Rajaprabhu	M.A., M. Phil., B.Ed.,	Asst. Prof.	Reader's Response Theory	1	Nil
Mrs. M. Savitha	M.A., M. Phil., B.Ed.,	Asst. Prof.	Canadian Literature	0.3	Nil
Mr. R. S. Jothirajan	M.A.,	Asst. Prof.	Travelogue Literature	0.3	Nil
Mrs. B. Prabha	M.A.,	Asst. Prof.	British Literature	0.3	Nil

Mr. N. Thangarasu	M.A., B.Ed.,	Asst. Prof.	Science Fiction	0.3	Nil
Mr. S. Jagatheesan	M.A., B.Ed.,	Asst. Prof.	British Literature	0.3	Nil
Mr. D. Uthayakumar	M.A., B.Ed.,	Asst. Prof.	Canadian Literature	0.3	Nil
Mr. T. Karthikeyan	M.A., B.Ed.,	Asst. Prof.	Indian Writing in English	0.7	Nil
Mrs. M. Lakshmi	M.A., M. Phil., B.Ed.,	Asst. Prof.	Indian Writing in English	-	Nil
Ms. T. Madhumathi	M.A.,	Asst. Prof.	American Literature	-	Nil
Ms. A. Ramya	M.A.,	Asst. Prof.	Indian Writing in English	-	Nil
Mr. P. Kumaresan	M.A.,	Asst. Prof.	Indian Writing in English	-	Nil
Ms. R. Kousalya	D.T.Ed., M.A.,	Asst. Prof.	Indian Writing in English	-	Nil
Ms. S. Suguna	M.A., B.Ed.,	Asst. Prof.	Indian Writing in English	-	Nil
Ms. G. Kalaimani	M.A.,	Asst. Prof.	Indian Writing in English	-	Nil
Mrs. G. Jothipriya	M.A.,	Asst. Prof.	Indian Writing in English	-	Nil
Ms. C. Devaki	D.T.Ed., M.A.,	Asst. Prof.	American Literature	-	Nil
Ms. V. Santhiya	M.A., B.Ed.,	Asst. Prof.	American Literature	-	Nil

**11. List of senior visiting faculty:** Nil.

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

**13. Student -Teacher Ratio (programme wise)**

Programme	Student - Teacher Ratio
B.A., English	20:1
M.A., English	16:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil.

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG:** Vide answer for question 10.

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

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

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications: Nil**

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National Committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student projects**

- a) Percentage of students who have done in-house projects Including inter departmental/programme: Nil
- b) Percentage of students placed for projects in organizations Outside the institution i.e.in Research laboratories/Industry/ Other agencies: Nil

**23. Awards / Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists / visitors to the department: Nil**

**25. Seminars/ Conferences/Workshops organized & the source of funding**

Event	Date	No.of Participants	Resource Person	Amount (Rs.) sanctioned by
Motivation Programme	19.02.2010	320	Dr. S. Srinivasan	Management
Enhancing Communication Skills	19.12.2011	350	Dr. Papu Benjamin Elango	Management

Special Lecture Series	22.03.2012	350	Dr. A. Mohammed Ali Jinnah Dr. A.Mohammed Mustafa Dr.G.Balakrishnan	Management
One Day Workshop on Literature	10.10.2012	350	Dr. A. Mohammed Ibraheem.	Management
Guest Lecture on Post Colonial Indian English Literature	06.02.2013	350	Prof. R. Raja Govindasamy	Management
Special Lecture Series	04.03.2013	350	Dr. D. E. Bennet Dr. S. Joseph Arul Jayraj Prof .G .Ravindran	Management
American Literature	19.10.2013	350	Dr. S. Armstrong	Management
Pre-modern, Modern, Post-modern Criticism	01.04.2014	350	Dr. A. Noel Joseph Irudhayaraj	Management

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.A., English	2009-12	190	180	61	119	55.23
B.A., English	2010-13	153	153	50	103	64.70
B.A., English	2011-14	190	169	43	126	58.93
M.A., English	2012-14	30	28	19	9	75

**27. Diversity of Students**

Name of the Course	Year	% of Students from the same State	% of Students from other States	% of Students from Abroad
UG	2010-2013	100	-	-
	2011-2014	100	-	-
	2012-2015	100	-	-
	2013-2016	100	-	-
	2014 - 2017	99.5	0.5	-
PG	2012-2014	100	-	-
	2013-2015	100	-	-

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

**29. Student progression**

Student Progression	Against % Enrolled				
	2009	2010	2011	2012	2013
UG to PG	02	03	-	-	-
Employed • Campus selection • Other than campus recruitment	17	14	-	-	-
Entrepreneurship/Self-employment	-	-	-	-	-

**30. Details of Infrastructural facilities**

- a) **Library** : Department: Books : 200  
**Library** : General Library  
 No of Titles : 0864  
 No of Volumes : 1255  
 No of Journals : -

b) **Internet facilities for staff and students**

- Department is provided with two computers
- A separate computer with internet facility and a printer are available

c) **Class rooms with ICT facility** :

- One common audio- video hall is available in our block

d) **Laboratories** : Nil**31. Number of students receiving financial assistance from college, university, government or other Agencies**

64 Students have availed fee concession from the Management from 2009

**32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts:**

Department	Details of		
	Special Lectures	Workshops	Seminars
English	07	-	-

### **33. Teaching methods adopted to improve student learning**

- We utilize LCD projector during delivery of lecture
- PG students are encouraged to take up assignments related to their subjects
- Students are taught through power point presentation

### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**

### **35. SWOC analysis of the department and Future plans**

#### **Strength**

- Empowering women's education
- Focus on rural education
- Honing up their soft skills
- Giving prime importance to leadership qualities
- Goal oriented faculty members to motivate students

#### **Weakness**

- Inadequate number of journals

#### **Opportunity**

- Ever-increasing job opportunities in the fields of Teaching, Journalism and IT Sector
- Books and Journals can be published
- Proof Reading
- English- a universal language

#### **Challenges**

- Enriching communicative skills of Tamil medium students.
- Emphasizing on life skills

#### **Future Plans**

- To promote research in the areas of ELT and emerging trends in literature
- To guide research scholars
- To conduct international seminars
- To launch a literary journal
- To publish books
- To increase the collection of books to have a separate library in the department



# Evaluative Report of the Department

Department of Statistics

<b>Evaluative Report of the Department</b>
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**1. Name of the Department :** STATISTICS – (ALLIED DEPARTMENT)

**2. Year of Establishment :** -

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

S. No.	Name of the Programme	Year of Affiliation	Sanctioned Strength
Nil	Nil	Nil	Nil

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

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

S. No.	Name of the Programme	Annual/ Semester/ Choice Based Credit System
Nil	Nil	Nil

**6. Participation of the department in the courses offered by other departments**

Class	Number of Course	Course Code and Title	Number of Students		Department offering the Course
			2011-12	2012-13	
Nil	Nil	Nil	Nil	Nil	Nil

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil.

**8. Details of courses/programmes discontinued (if any) with reasons :** Nil

**9. Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	07	07

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

Name	Qualification	Designation	Area of Specialization	Experience (in years)	No. of Ph. D. Students guided for the last 4 years
Dr. S. Mohan Prabhu	M.Sc., M. Phil, Ph.D.,	Asso. Prof. & Head	Operations Research: Inventory Control	9	Nil
Mrs. P. Suganthi	M.Sc.,	Asst. Prof.	Reliability	5	Nil
Ms. V. Nirosha	M.Sc.,	Asst. Prof.	Probability Distribution	2	Nil
Ms. E. Prema	M.Sc.,	Asst. Prof.	Operations Research	2	Nil
Ms. A. Banupriya	M.Sc.,	Asst. Prof.	Sampling Technique	1	Nil
Ms. P. Keerthana	M.Sc.	Asst. Prof.	Sampling Technique	2	Nil
Ms. T. Jamunarani	M.Sc.	Asst. Prof.	Probability Distribution	0.1	Nil
Mrs. P. Gomathi	M.Sc.	Asst. Prof.	Probability Distribution	-	Nil

**11. List of senior visiting faculty:** Nil.

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

**13. Student -Teacher Ratio (programme wise):**

- Support Department (Only Allied Course).

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

Laboratory Assistant : Nil

Laboratory Attender : Nil

**15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph. D/ M. Phil / PG.:** Vide answer for question 10

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

Name of the Faculty/ Project	Title of the Project	Funding Agency	Grants Received (Rs. in Lakhs)
Nil	Nil	Nil	Nil

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

Name of the Course	Funding Agency	Amount Sanctioned (Rs. in Lakhs)
Nil	Nil	Nil

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications:**

- a) Publication per faculty  
Number of papers published in peer reviewed journals (National/ International) by faculty and students.

S.No.	Name of the Staff	Number of Publications	
		National	International
1	Dr. S. Mohan Prabhu	Nil	03

S.No	Name of the Student	Number of Publications	
		National	International
Nil	Nil	Nil	Nil

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN /ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor : Nil
- h-index : Nil

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

- a) National Committees : Nil  
b) International Committees : Nil  
c) Editorial Boards : Nil

**22. Student Projects** : Nil

**23. Awards / Recognitions received by faculty and students**

S.No	Name of the Faculty	Awards
Nil	Nil	Nil

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

Name of the Invited Lecturer/Industrial Expert	Date of the Programme	Name of the Invited Lecturer/Industrial Expert	Date of the Programme
Nil	Nil	Nil	Nil

**25. Seminars/ Conferences/Workshops organized & the source of funding**  
**a) National b) International**

S. No.	Department	Event	Date	No.of Participants	Resource Person	Amount (Rs.) Sanctioned by TNSCST
Nil	Nil	Nil	Nil	Nil	Nil	Nil

**26. Student profile programme/course wise:**

Programme	Batch	Applications Received	Selected	Enrolled		Pass Percentage
				M	F	
Nil	Nil	Nil	Nil	Nil	Nil	Nil

**27. Diversity of Students**

Name of the Course	Batch	% of Students from the same State	% of Students from other States	% of Students from Abroad
Nil	Nil	Nil	Nil	Nil

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

**29. Student Progression** : Nil

**30. Details of Infrastructural Facilities**

- a) Library** : General Library  
 No. of Titles : 263  
 No. of Volumes : 461  
 No. of Journals : -

**b) Internet facilities for Staff & Students**

- Department is equipped with one computer with internet facility
- Free internet facility is available to the students at internet lab

**c) Class rooms with ICT facility:**

- One common audio- video hall is available in our block

**d) Laboratories : Nil**

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

**32. Details on student enrichment programmes (special lectures/workshops / Seminar) with external experts: Nil**

**33. Teaching methods adopted to improve student learning:**

- Students are taught through power point presentation

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Nil.**

**35. SWOC analysis of the department and Future plans**

**Strength**

- Statistics department is the basis to carry out calculations and interpretations in any kind of research
- A team of efficient staff

**Weakness**

- Statistics is only an ancillary department in this college.

**Opportunities**

- Statistics is a very decisive factor in any analysis
- Statisticians find a wider scope of placements

**Challenges**

- To frame a syllabus which ensures the student to meet the demands of the industries
- To create interest in students for research in statistics field
- Shaping an excellent and innovative Student Community

**Future Plans**

- To get the Department of Statistics recognized as a separate identity

# Declaration

**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:

Place : Rasipuram

Date :