

SELF STUDY REPORT

Submitted to NAAC for Accreditation

**Part-II : Executive Summary,
Criterion-wise Evaluative Report
& Department Evaluative Report**



**NEHRU MEMORIAL COLLEGE
(Autonomous)**

**PUTHANAMPATTI- 621 007
TIRUCHIRAPPALLI - DT, INDIA**

NOVEMBER - 2011



EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Nehru Memorial College (Autonomous), Puthanampatti was established in 1967. Being situated in a serene atmosphere on the backdrop of Pachamalai hills in the Eastern Ghats, the college provides a conducive environment for the learners to pursue higher education.

The great philanthropist and visionary Late Thiru. Mokka Pillai had conceived a noble idea of spreading quality education to the children of peasants, the downtrodden and the poor section of the rural society and this idea was implemented as early in 1942 by establishing a middle school in the rural village, Puthanampatti. In addition to his hard earned money, he had put his heart and soul to impart quality education to the rural people of the village. During the Pre-independence days the founder had a great reverence for Pandit Jawaharlal Nehru and hence the school was named after our nation's first Prime Minister. The school was upgraded as High School in 1948. The undaunted spirit of the unlettered genius did not satisfy himself with school education alone. He envisaged yet another noble cause of imparting higher education to the people in and around Puthanampatti and his dream was realized in 1967 in the form of 'Nehru Memorial College.'

Imparting quality higher education to the rural learners for more than four decades

The college is situated in a remote rural village called Puthanampatti. The college was declared open by Honourable Shri. C.N. Annadurai, M.A., the then Chief Minister of Tamilnadu on 29th June 1967. The college is affiliated to Bharathidasan University, Tiruchirappalli, and was recognized under section 2 (f) and 12(B) by the University Grants Commission, New

Delhi in 1969. In appreciation of the societal concern and innovative practices adopted in a rural ambience, the college was granted autonomous status in 2004 by the University Grants Commission.

I. Curricular Aspects

The college implements the autonomy system in the real spirit by envisaging new approaches in designing the curriculum by taking into account of the socio-economic and science & technological advancements.

The institution offers instruction in higher learning and research guidance in diversified courses that are directly related to the economic growth, development of society and human values. It has initiated a number of academic programmes that are first of their kind.

The college offers programmes in all the basic sciences, humanities and commerce. The college had taken up the initiative to offer innovative programmes such as 'Computer Science' and M.Sc. in Instrumentation as early as in 1983. The College is upgraded as a recognized research centre in Physics, Zoology and Commerce. The Department of Zoology has an exclusive research centre: Centre for Eco-friendly Agro-Technologies (CEAT).

The curriculum of every academic programme offered in the college is drafted and recommended by a Board of Studies exclusively constituted for that programme with experts belonging to Educational Institutions / Industries / Research Labs related to that programme along with the internal expertise, which is later approved by Academic Council of the college. Due weightage is given to the opinions of various stakeholders of higher education.

The syllabi are regularly restructured / modified taking into account of the recent trends and developments in the higher education scenario. The curriculum also emphasizes on the needs of the potential placement avenues of the students. Social relevance, women empowerment and value education

are key features of the curriculum. The institution has made computer literacy mandatory for all the learners.

The college have been following the Choice Based Credit System (CBCS) since 2005-2006. The curriculum is offered with flexibility for the learners to choose from a variety of course options like: 1) Major Based Elective Courses 2) Non-Major Elective Courses and 3) Skill Based Courses.

II. Teaching - Learning and Evaluation

The college has a well - structured admission system monitored by a separate committee called Admission Committee. The sequential steps of the admission process are: 1) Notification in daily newspapers and through website of the college 2) Sale of application forms with detailed information brochure 3) Receiving of filled-in application forms 4) Processing the application forms and preparing the rank list 5) Dispatch of interview letters to students. All the reservation policies of the Government are strictly followed while the admissions are processed. Priority in admission is given to women students and those who belong to the disadvantaged communities hailing from rural areas. The college takes care of the students belonging to the economically weaker section of the society by getting them financial assistance from the government and other sources.

The institution assesses the students' knowledge at the time of admission and conducts appropriate bridge courses for rectification. The staff members offer academic and personal counseling to the students and devise appropriate strategies for slow and advanced learners. The college provides a number of facilities for teachers and learners to adopt modern teaching methods that include: 1) Smart class rooms with audio - visual equipment 2) Special lectures by visiting experts 3) Field works / Project works for students 4) Educational tours 5) Group discussions / Seminars as a part of curriculum. The college encourages the teachers to refine their expertise in

teaching and research by regularly attending Refresher Courses in the respective disciplines.

The teachers are always encouraged to participate in Conferences / Symposia / Seminars / Workshops hosted by other universities / institutions in India and abroad to present their research findings for a beneficial academic interaction with their fellow researchers.

The performance of the students is assessed through Continuous Internal Assessment system prescribed by the Academic Council. Besides this, the college conducts end-semester examinations. The evaluation process is meticulously planned and systematically carried out by the office of the Controller of Examinations confidentially. The college adopts transparency in evaluation process by providing photocopy of the answer scripts to the aggrieved students. An academic audit is conducted every year to evaluate the teaching learning process for betterment. Supplementary and Instant examinations are conducted for the benefit of the students.

III. Research Consultancy and Extension

The college functions with a striking balance between teaching and research, which is evidenced from the following measures: 1) Identification and recruitment of eminent researchers as faculty members and motivating the existing staff members to pursue research and higher studies 2) Deputing the faculty members to other advanced institutes in India and abroad with financial assistance to various training programmes 3) Inviting faculty of other places for exchange programmes 4) Institution of cash awards for best research publications and presentations at International level conferences 5) Providing travel assistance to teachers to present their research proposals with various funding bodies like UGC, CSIR, DST etc.

The college has 6 departments with facility for research and 27 faculty members are Ph.D. holders. A lot of research activities are being carried out

with the financial support of the University Grants Commission, the Council for Scientific and Industrial Research, the Department of Science and Technology, the Defence Research and Development Organisation and the Ministry of Environment and Forests, Government of India. The faculty members and students publish papers consistently in the Nationally & Internationally reputed and peer-reviewed journals. The Department of Physics is recognized by Department of Science and Technology, Govt. of India for implementing **Fund for Improving Science and Technology [FIST]** in College programmes.

The college library is adequately equipped with research materials for various areas of research in the form of back volumes, subscription to current periodicals.

The college undertakes various extension activities under the aegis of NSS, NCC, YRC, Gender Club, Red Ribbon Club and Consumer Club. These units organize various programmes such as Tree Plantation Programmes, Blood Donation Camps, Village adoption Programmes, Tobacco and Plastic free campaign. Sports activities are yet another top priority of the college, which are effectively and excellently monitored by the department of Physical Education. The college has an excellent well-equipped indoor sports facility hall for the staff and the students.

The college offers consultancy to individuals and organizations that approach free of cost, as it feels such an offer would enrich the academic talent of the college. The expertise available in the Departments of Zoology, Computer Science, and Commerce are utilized for offering consultancy services. The Centre for Eco-friendly Agro-Technologies offers consultancy to the farmers on vermicompost production and Rodent Pest Management. Training on Business Process Outsourcing and On-line share trading are given by the Dept of Computer science and Commerce respectively.

The college has entered into Memorandum of Understanding (MoU) with a number of institutions for the exchange of teaching and research programs, collaborative programmes, which have yielded good results. The college campus is provided with inter-departmental connectivity facility and an efficient internet structure is installed. Many teachers of the college have received awards and recognition from the Government and other academic bodies for their outstanding performance in teaching and research.

IV. Infrastructure and Learning Resources

The college campus is spread over 45 acres of land. It has multi-storey buildings housing spacious class rooms and laboratories. All the laboratories are equipped with state of art modern equipment. The college has an exclusive computer centre with 300 terminals. The office of the Controller of Examinations functions separately in a well furnished wing. The institution has a separate two storey Library building with 25,434 volumes of books 73 national, and international reputed / peer reviewed journals.

The college has an air-conditioned conference hall. A mega multipurpose hall with a floor space of 25,000 sq. feet is another unique feature of the college. There are three hostels: 1) Sir. C.V. Raman Hostel which could accommodate 1400 women inmates, 2) Mahatma Gandhi Centenary Hostel and Highland Hostel for 600 men inmates. These hostels are well furnished with lodging facility, reading rooms, computer laboratory with internet connectivity, play ground, ultra-modern kitchens and spacious dining halls. C.V. Raman Hostel for women has an open-air auditorium for the conduct of cultural and literary events. The institution has established Reverse Osmosis plant for the supply of purified drinking water for all the Students and Staff. As regards power supply, the college has 24 hrs HT power supply along with 165 KVA backup generators.

All the academic and administrative blocks are connected with Internet facility. All the staff members are provided with computer and Internet facility. Students have access to Internet in the Internet centre. The institution conducts medical camps frequently. Any emergency medical need is taken care of by the nearest Govt Hospital at Omandur which is 4 km. away from the campus. A separate vehicle is exclusively kept ready for the medical care of the students round the clock. The institution provides adequate transport facility for the students and staff.

V. Student Support and Progression

Academic freedom is entrusted with the faculty members to bring in a lot of innovations. More than 100 students have secured university ranks and to be specific 15 students have secured first position in the University Rank Examinations conducted since 2004.

Most of the programmes offered by the college are postgraduation courses and research courses leading to the award of a Master's Degree or M.Phil. or Ph.D. in the subject concerned. Students joining these programs are given every kind of encouragement that makes them develop a sustained interest in the course. The drop out percentage is insignificant. A good number of students of each course get placements with a satisfactory pay package. Students of courses like MCA, M.Com., Computer Science, Chemistry, and Biotechnology get placements soon after the completion of their courses. The progress of students with respect to other parameters like participation in cultural activities, sports, social service programmes is also substantial.

A Placement Cell maintains and supplies the data base of students of the college to the various organizations established for students' progress. It has conducted a number of career guidance programs, recruitment drives on the campus. Separate coaching programs for students of the weaker sections under Remedial Coaching Programmes of UGC are undertaken.

At the beginning of every academic year, the college provides details of various courses offered and the number of seats available in the college, fee structure, reservation policies, important dates of the admission schedule, in the form of a Prospectus to all the candidates seeking admission.

A Grievance Redressal Cell to check and contain matters related to ragging, eve-teasing, etc. is constituted. This cell with a team of members and Co-ordinator also concentrates on counseling women students who are new to the campus environment and ensures equal opportunities provided to women.

Students of every department are allotted a staff member of the department concerned for regular personal counseling and care in academic and non-academic matters so that each faculty member is a defacto guardian for the students allotted to him/her. Students are frequently encouraged to take lead in the organizational aspects of conferences, workshops of their respective departments to foster team spirit and leadership attributes in them.

The alumni of the college are frequently in touch with their respective departments in order to inspire and stimulate the students of the current academic year regarding the career awareness, job potentialities in the respective courses. The college takes all care to keep students in an active and cheerful ambience by arranging cultural competitions, Independence Day, Republic Day Celebrations, College Founder's Day Celebrations, Sports Events, NSS camps etc.

VI. Governance and Leadership

Since its inception in the year 1967, Nehru Memorial College has been fortunate enough to have outstanding academicians and efficient administrators as its Principal belonging to a wide spectrum of disciplines, such as Physics, Tamil, Commerce and Chemistry. It is interesting to note that so far the

college has 2 Principals from Science, 1 from Arts and 1 from Commerce disciplines thus giving it overall perfectly balanced governance.

The institution is governed by a committee called Educational Agency constituted under the Tamilnadu Societies Registration Act 1975. Besides this, the administration of the college is being managed by College committee constituted under Tamilnadu Private Colleges (Regulations) Act 1976. While the Educational Agency takes care of the overall financial management, the College Committee deals with the academic and financial management as regards government aid.

Autonomy is implemented by constituting a hierarchical management set up. The Governing Body is the apex committee dealing with the overall academic and financial matters concerned with autonomy. The Academic Council deals with the approval of syllabi and regulations. In addition to these bodies, the college has Board of Studies, Finance Committee, Library Committee, Departmental Research Committee, Building Committee, Disciplinary Committee, Malpractice Enquiry Committee etc.,

The Chairman of the Governing Body, Secretary, President and Members of the College Committee, Principal, the HODs are the persons entrusted with various responsibilities to manage the activities of the institution. The Principal is the executive authority of the institution and acts like a bridge between the faculty members and the management.

The college makes persistent efforts to refine the general governance system. Regular meetings of the Principal with the Heads of the Departments to know the academic progress with reference to teaching schedules and research activities is an important tradition followed in the College. The meeting of the Academic Council is held at least once in a year. The Governing Body and College Committee are convened as per the statutes.

The college has recently established IQAC (Internal Quality Assurance Cell) as per the norms of NAAC to ensure quality sustenance and quality enhancement of the various components and functions of the college.

VII. Innovative Practices

The college has initiated the following Innovative Practices which have received a good response from all sections of the society.

1. Admission Committee.
2. Remedial Programmes for average and slow learners
3. Supplementary and Instant examination system
4. Transparent evaluation system
5. Career Guidance and Counselling Cell
6. Campus Networking with Internet Facility.
7. MoUs with Industries/Institutions/ Universities. Our college has established an MoU with a Multi-national company M/s. HOV services Ltd., for providing on the job training and placement for our students.
8. Insurance cover for students
9. Cash awards worth ₹ 5,000/- to ₹ 10,000/- to meritorious students who excel in sports and games.
10. Free coaching for students for UGC-NET, UGC-CSIR, UPSC, and TNPSC examinations.
11. Training Classes for non-teaching staff in office automation.
12. Grievance Redressal Cell.
13. 'Earn while you Learn' scheme for students.
14. T.A. and D.A. to teachers for presenting research proposals.
15. Academic Audit.
16. Outreach programme: The Center for Eco-friendly and Agro-Technologies imparts training to the farmers and students on Vermibiotechnology and Management of Rodent Pests.



CRITERION-WISE EVALUATIVE REPORT

CRITERION – I : CURRICULAR ASPECTS

1.1 CURRICULUM DESIGN AND DEVELOPMENT

1.1.1 *State the vision and mission of the institution.*

Vision

For Knowledge, Justice and Peace

Mission

With a view to realizing this vision, the college has taken up the mission

- (i) to impart the right kind of knowledge among the rural students with the aid of computers and other equipment,
- (ii) to ensure social justice for the rural people through various academic and non-academic activities viz., Cultural and Literary competitions, NSS, NCC, YRC, Gender Club etc.
- (iii) to stabilize inner peace in the minds of the young learners through meditation and Yoga practice in order to ensure peace among the rural people.

Mission Goals

Promoting higher level academic pursuits

Building the Confidence level of the rural students

Providing ample opportunities for Career Growth

Sensitizing the youth about social justice and responsibility

1.1.2 *What are the goals and objectives of the institution? How are they made known to the various stakeholders?*

The founder and philanthropist Late Shri M. Mookapillai has envisaged that the rural students should have more opportunities for higher education in Puthanampatti village since 1967. Keeping in mind the vision of the founder the college has set the goals as follows:

Goals

- National development through higher education to the rural learners
- Global competency through Science, Humanities and Commerce
- Promotion of women empowerment
- Value orientation through extension activities

Objectives

- To create awareness among the rural students the importance of the higher education in particular basic sciences and computer education.
- To give priority in admission for rural and women students.
- To foster ethical values among the rural learners through extension activities.
- To promote and strive for research and quality in higher education.
- To empower the students with global competency for career growth.

The goals and objectives of the institution are made known to the stakeholders through the following means:

- ❖ Alumni and parents act as the spokesperson for spreading the reputation of the college.
- ❖ Through the prospectus, college calendar and web site.
- ❖ Through advertisement in leading dailies.

1.1.3 *How are the institutional goals translated into the academic programmes, research and extension activities of the institution?*

The goals and objectives of the institution are translated through:

- Offering need-cum-time based programmes to the students community. As early in 1983, the college has pioneered to offer computer science among the Arts and Science colleges in South India. In the same year, the college also introduced instrumentation as a Post-graduate programme.
- Framing appropriate need based curriculum which focuses on:
 - a. Employability
 - b. Skill development
 - c. Women empowerment
 - d. Community development
- Pursuing active research in Science, Humanities and Commerce
- Involving all the students in any one of the extension activities like National Service Scheme, National Cadet Corps, Youth Red Cross, Gender Club, Red Ribbon Club and Consumer Club.

1.1.4. *What are the major considerations addressed by the goals and objectives of the institution? (Intellectual, Academic, Training, access to the Disadvantaged, Equity, Self development, Community / National Development, Ecology and environment, Value orientation, Employment, ICT introduction, Global demands, etc.)*

The goals and objectives of the college focus on the intellectual, academic and training aspects. It is accessible to all sections of the society aiming at justice and equity, personality development, national development, value orientation to meet the ever-increasing competition and employment opportunities. The goals and objectives of the college address the following major considerations: (i) Access to the Disadvantaged (ii) Equity among the men and women students (iii) Scope for Self-development (iv) Value orientation (v) Employment (vi) ICT introduction and implementation.

1.1.5. Does the curricula developed / adopted address the needs of the society and have relevance to the regional / national developmental needs?

Yes. The respective Board of Studies while framing the syllabus gives due weightage to the needs of the society. The relevance of the social, regional and national development needs are taken care of as and when necessary.

1.1.6. What percentage of the courses focus on experiential learning, including practical and work experience for overall development of students and what measures have been taken in the curriculum design?

All UG and PG courses with practical sessions have experiential learning. More than 60% of the courses focus on the practical, field and work experience for the overall development of the students. Practicals in the laboratory, industrial visit, field work and project work have been included as part of the curriculum. All the students are taught computer related courses like MS Word, Excel, Power Point, Tally and Accounting Packages and web-page designing. Experts in the field concerned are consulted while designing the curriculum.

1.1.7. How is employability ensured through curriculum design? Does the institution focus on multi skill development of students, in its programmes?

- (i) The curriculum is designed on the basis of industry requirements by giving representation for experts from reputed industries, advanced research laboratories and research institutes in the respective Board of Studies in various disciplines.
- (ii) Computer Literacy is an essential requirement for getting employment in the present scenario. By adding the practical training on computers in the curriculum, the employability is developed among the students.

- (iii) Multi-skill development of students is also insisted by the institution by providing computer skill, soft skill and entrepreneurship skills.
- (iv) Elective and Extra-disciplinary subjects are offered in each department and the syllabi are designed with an emphasis on the development of diversified skills like interpersonal skill, Human Resources Development, Aptitude skill, Group Discussion, interview skill etc.

1.1.8. *Is there a provision for computer skills to be incorporated in the curriculum for all students?*

Yes. Basic computer skill is imparted to all graduate students as part of the curriculum in the first/second semester itself.

1.1.9. *List the twinning / collaborative arrangements within and outside the country for various programme offerings*

We have collaborative arrangements with Bharathidasan University to offer MBA programme through the concurrent programme system.

1.1.10 *How are the global trends in higher education reflected in the curriculum? How do they help in developing global competencies among students?*

Recent additions to the curriculum in all the disciplines meet the global trends in the higher education. For example the students from our institution are pursuing higher education and are placed in higher positions in foreign countries thereby they have proved their global competency.

1.1.11. *What thrust is given to 'Information and Communication Technology' in the curriculum for equipping the students for global competition?*

The curriculum is revised four times in the last five years thereby the thrust is given for equipping the students in the ICT component for facing the global competitions.

1.1.12. What are the courses aiming to promote value education / social citizenship roles?

To promote value education / social citizenship roles all the Undergraduate students are taught a course on value education. In Part I and Part II courses some components have been added to impart value education for social citizenship roles.

1.1.13. How does the institution involve internal and external academics and experts from industry (employees) / service sector, in the curriculum development process?

Institution involves internal and external academics and experts from industry (employees) / service sector, in the curriculum development process by inducting them in the Board of Studies / Academic Council and inviting them as special invitees to the meetings of the above bodies.

1.1.14. Specify the steps undertaken by the institution in the curriculum development process. (Need assessment, development of information database from faculty, students, alumni, employees and academic experts, and formalizing the decisions in statutory academic bodies.)

Views are invited from Faculty, Students, Alumni, Employees and Academic Experts on the curriculum development. These views are placed before the pre-Board of Studies and a draft syllabus is framed and the same is placed before the Board of Studies. Then it is placed before the Academic Council and necessary changes are incorporated in improving the curriculum.

1.1.15. How do Boards of Studies ensure the currency and relevance of the programme offerings?

As a cross-section of representatives from society participate in the curriculum development process, its currency and relevance is ensured. The Members of the Board of Studies collect views from various sources and their suggestions are placed before the Board of Studies/Academic Council for inclusion in the curriculum.

1.1.16 Are Women's issues incorporated in the curricula? If yes, what are the initiatives taken to introduce women-related issues/ topics in the curriculum?

Yes. In Under-graduate Commerce / Economics, the course on “Entrepreneurial Development” has topic on ‘Women Entrepreneurs’ and the financial / technical assistances provided, problems of women Entrepreneurs etc are taught to the students.

1.2 ACADEMIC FLEXIBILITY

1.2.1. What is the range of programme options available to learners in terms of Degrees, Certificates and Diplomas? Give the cut off percentages for admission at the entry level.

Nowadays students have a wide range of career options. Keeping in view of the Career options, the college offers various programmes in Arts, Commerce, Pure and Applied Sciences and Management Studies. The programmes offered in the college help the students to continue with their academic pursuits at the Under-Graduate level, Post-Graduate level, Post-Graduate Diploma levels and Diploma levels.

The following are the course options available to the students.

I. Commerce

Commerce : B.Com., M.Com., M.Phil., Ph.D.

II. Management

Business Administration : B.B.A.

Liberal Arts

Economics : B.A.,

English Literature : B.A.,

Tamil Literature : B.A.,

III. Pure Sciences

Mathematics	:	B.Sc., M.Sc., M.Phil., Ph.D.,
Physics		B.Sc., M.Sc., M.Phil., Ph.D.,
Chemistry	:	B.Sc., M.Sc., M.Phil., Ph.D.,
Zoology	:	B.Sc., M.Sc., M.Phil., Ph.D.,

IV. Pure Applied Sciences

Computer Science	:	B.Sc., B.C.A M.Sc (C.S.), M.Sc (IT)., M.C.A., M.Phil., PGDCA.
Hotel Management and Catering Science	:	B.Sc., PG Diploma in Hotel Management
Bio-technology	:	M.Sc., M.Phil., Ph.D.,

V. UGC sponsored Career oriented programme

- Advanced Diploma in Computer Applications
- Advanced Diploma in Instrumentation
- Advanced Diploma in Electrical and Electronic Equipment Maintenance
- Advanced Diploma in Bio-fertilizer and Vermiculture
- Advanced Diploma in Herbal Plant Nursery
- Cut-off percentage for admission is done as per the norms prescribed by the State government and University.

1.2.2. Does the institution offer any self-financing programmes in the institution? List them.

<i>UG Programme</i>	<i>Major</i>
B.Com	Commerce
B.A.	English Literature
B.A.	Tamil Literature
B.B.A.	Business Administration
B.Sc,	Computer Science
B.C.A.	Computer Application
B.Sc.,	Mathematics
B.Sc.,	Physics
B.Sc.,	Hotel Management & Catering Science

<i>PG Programme</i>	<i>Major</i>
M.C.A	Computer Applications
M.Sc.,	Computer Science
M.Sc.,	Information Technology
M.Sc.,	Mathematics
M.Sc.,	Physics
M.Sc.,	Chemistry
M.Sc.,	Zoology
M.Com.,	Commerce
P.G.D.C.A.	Computer Science
PG Diploma	Hotel Management and Catering Science

1.2.3. How does the institution provide for flexibility in the use of a) Core options b) Elective options c) Supportive courses d) Allied courses e) Any other.

Students are given flexibility for selecting the open elective course offered by various departments other than the parent department. In the case of supportive courses, the students are given flexibility to select Computer Applications, Herbal Plant Nursery, Bio-fertilizer and Vermiculture, Instrumentation, Electrical and Electronic Equipment Maintenance, Certificate in Tally, Office Automation etc. as elective courses.

1.2.4. Does the institution provide flexibility for combining the conventional and distance mode of education for students; seek the combination of courses they are interested in?

Yes. The institution in association with Bharathidasan University offers M.B.A. programme in the concurrent mode.

1.2.5. Does the institution provide flexibility to students to move from one discipline to the other? Give details.

Yes. Students from various disciplines can opt for PG courses like Bio-technology, Information Technology, Computer Applications. The UG students may join these courses from other disciplines by opting for non-major elective courses.

1.2.6. Does the institution provide flexibility to pursue the programme with reference to the time frame (flexible time for completion)?

Yes. The institution provides flexibility as per the university norms.

1.2.7. Does the institution have any provision for slow and disadvantaged learners? Give details.

Special attention is given to the slow and disadvantaged learners. Special classes are conducted in order to make them understand difficult points. Further Remedial coaching is given to such candidates. In the case of Problem Oriented papers (B.Sc., B.Com.) such students are trained to solve simple problems initially and the graded exercises at a later stage.

1.2.8. How does the institution identify slow and advanced learners? Explain how additional help is provided to the slow learners to cope with the programme? How are the advanced learners facilitated to meet the challenges?

- i) Slow and Advanced learners are identified from their class room performance, attendance, seminar, class room interaction, performance in the class test/assignments.
- ii) The faculty members pay special attention to the slow and disadvantaged learners. Remedial classes are conducted in order to make them understand difficult points. Home work and assignments are given to such candidates. In the case of Problem Oriented papers (B.Sc., B.Com.) such students are trained to solve simple problems initially and the graded exercises at a later stage. Advanced learners are given some extra challenges and additional problems.

1.2.9. What are the options available for students to take additional / supplementary / enrichment courses along with their regular curricula (Eg. Degree + a Certificate; P.G degree + a diploma)

The following career oriented programmes are available for our students: Computer Applications, Herbal Plant Nursery, Bio-fertilizer and Vermiculture, Instrumentation, Electrical and Electronic Equipment Maintenance.

1.2.10. What value added courses are introduced which would develop skills, offer career training and promote community orientation?

Apart from add-on courses various skill based courses and soft skill programmes are offered for developing skills and community orientation.

1.2.11. Does the institution provide facilities for credit transfer, if the students migrate from one institution to another within or outside the country?

Yes. For those who opt to go to another institution within the country.

1.2.12 State the curricular design and model adopted by the college in the organization of its curricula. Does the institution follow Annual System, Trimester System, Choice Based Credit System (CBCS) or Semester system? Give details.

The institution follows semester system in the CBCS pattern.

1.3 FEEDBACK MECHANISM

1.3.1. How does the college obtain feedback from?

- a) Students – Forms are issued to the students and are received from them.
- b) Alumni – By getting feedback through e-mail and mail and directly from the alumni at the time of their arrival to the campus for convocation.
- c) employers / industries – By participation in the Board of Studies
- d) community – Through letters, pamphlets etc,
- e) academic peers – By participation in the Governing Body / Academic Council / Board of Studies.

1.3.2. How are the feedbacks segregated, analysed and suggestions incorporated for improvement of the academic and administrative activities?

The feedback obtained is segregated, analysed and suggestions are incorporated through revision of syllabus in the Board of Studies/Academic Council.

1.3.3. What are the initiatives taken by the faculty in the curriculum revision based on the feedback from the stakeholders?

Appropriate changes are incorporated by the faculty in the curriculum periodically.

1.4 CURRICULUM UPDATE

1.4.1. *What is the frequency of syllabus revision?*

Once in 3 Years.

As autonomy has been conferred on us from November 2004, Non-CBCS syllabus was framed for the 2004-05 batch. The syllabus was revised immediately under the CBCS from 2005-06 onwards. Again in 2008-09 the syllabus was revised. The recent revision was carried out in 2011-12. The liberty is given to the Board of Studies to revise the syllabus whenever there is a need.

1.4.2. *How long does it take to introduce a new programme of study after it has been conceptualized?*

The Board of Studies concerned are given the liberty to design and introduce the new programme with a minimum time frame of one year.

1.4.3. *What is the composition of the Board of Studies? Specify PG and UG representation in the BOS, if there is only one BOS for both?*

There is a separate Board of Studies for UG and PG. The composition of Board of Studies is as follows:

Each Board has a Chairman appointed by the Chairman of the Governing Body of the college in the following order of preference from among its internal members viz.

- a) The Chairman --- The Head of the Department concerned/a reputed professor from other college/university
- b) University Representative --- Nominated by the VC of the University
- c) Two external members --- Subject Experts --- nominated by the Chairman, AC
- d) One Member from the Industry side - nominated by the Chairman, AC
- e) Faculty members
- f) Alumni

1.4.4. Does the institution use the UGC guidelines for developing or restructuring the curricula?

Yes. The UGC guidelines issued in the year 2000 are followed.

1.4.5. Does the institution refer national and international models for curriculum update?

Yes. The Boards of Studies refer UGC-CSIR, JRF, ACM and the top-most competitive examinations for curriculum update. For specific disciplines, international models are also consulted.

1.4.6. What are the interdisciplinary courses introduced during the last five years?

List of Open Elective Courses offered by the Dept

<i>Title of the courses</i>
Visual Programming
Mathematics for Competitive Exams - I
Discrete Mathematics
Medical Physics
Agricultural Science
Public Health & Hygiene
General Commercial Knowledge
Advertisement Management

<i>Title of the courses</i>
BPO and Healthcare
Mathematics for Competitive Exams - II
Energy Physics
Agricultural Science - II
Biological Diversity
Principles of Accountancy
Tourism Management

1.4.7. How does the institution ensure that the curriculum bears some thrust on national development?

Knowledgeable, employable and well-informed students force is indispensable for national development. Hence the institution has introduced Energy Physics, Entrepreneurial Development, HR Development, Food Production, Afforestation etc so as to ensure national development.

1.4.8. How are the existing courses modified to meet the emerging needs?

By making appropriate changes in the course curriculum or by introducing a new course.

1.4.9. Which courses have major syllabus revision during the last five years? (with change in title and of content)

The following new papers have been introduced in the disciplines mentioned below:

- Physics: Embedded programme, Nano-science
- Chemistry: Green Chemistry
- Mathematics: MATLAB, Mathematics for Competitive Examinations and Mathematical Modelling
- Zoology: Animal Diversity, Bio-systematic and Taxonomy and Bio-technology
- Bio-technology: Drug dynamics and Drug designs
- Commerce: Corporate Accounting, Services Marketing, Financial Services, and Retail Management
- Part II English – English for Competitive Examinations

1.5. BEST PRACTICES

1.5.1. What are the quality sustenance and quality enhancement measures undertaken by the institution during the last five years in curricular aspects with reference to curricular design and development / academic flexibility / feedback from stake holders / curriculum update?

- a. The quality in curriculum is ensured by involving various experts from universities, colleges, industries and alumni.
- b. The institution takes every possible step to include the feedback of various stakeholders from community in the curriculum design process.
- c. Academic flexibility is ensured by offering various courses like SKBC, NMEC, OEC etc so as to enable the students to choose the courses of their choice.
- d. The institution designs the curriculum to suit the needs of the industry.
- e. Internalization of value system in the academic curriculum
- f. Internship program in collaboration with industries and business organization/university
- g. Fostering global competencies among students through the use of technology
- h. Implementation of feedback mechanism
- i. Introduction of certificate courses, value added courses, and extension activities
- j. Variety of Skill Based Course options are available
- k. Comprehensive course is offered

1.5.2. What innovations / best practices in 'Curricular Aspects' have been planned / implemented by the institution?

- a) Comprehensive course is offered for all the UG and PG students in order to make them competent enough to get through the competitive examinations with preparedness.

- b) Soft skills development programs and Employability skills development programs are conducted in order to cultivate leadership skills, positive attitude, efficient time-management, positive self-esteem and excellent communication skills.
- c) Role of Association and Clubs in Holistic education: Department Associations, Youth club, Gender club, Lyceum, Optra, Youth Red Cross are formed to enrich students' personality.
- d) Value Added courses: It is an integral part of the curriculum which enables the students to grow in values.
- e) Domain Study / Hands on Training: PG students in Physics and Zoology are provided with hands on training.
- f) Projects are given to PG students for real-time experience.

1.5.3. *What are the initiatives taken to introduce gender related courses / topics in the curriculum?*

The following courses are introduced:

Entrepreneurial Development

Value Education

1.5.4. *What programmes are developed for differently-abled students and how is the same implemented?*

Specific programme for the differently abled are not offered.

1.5.5. *What programmes are available for international students?*

All the programmes are open to all international students.

1.5.6. *What programmes are developed for adult and continuing education and distance education?*

Hands-on training in Vermi-culture and Bio-fertilizer is organized by the PG Department of Zoology for the benefit of the farmers of the surrounding villages every year.

APPENDIX**Major-wise / Class-wise List of First Generation Graduates****Aided**

<i>Class</i>	<i>III year (2006-09)</i>	<i>II year (2007-10)</i>	<i>I year (2008-11)</i>
Computer Science	44	34	45
Mathematics	36	24	33
Physics	35	24	11
Chemistry	24	23	19
Zoology	28	01	13
Economics	29	24	18
Commerce	34	39	41
Total	230	169	180

Major-wise / Class-wise List of First Generation Graduates**Self-financed Stream**

<i>Class</i>	<i>III year (2006-09)</i>	<i>II year (2007-10)</i>	<i>I year (2008-11)</i>
Computer Science A section	-	-	25
Computer Science B section	16	30	32
Computer Science C section	32	38	18
Computer Science D section	28	40	-
Computer Science E section	28	30	-
Computer Science F section	29	-	-
Computer Application	-	42	38
Computer Application A Section	-	-	33
Catering & Hotel Management	6	-	-
M.C.A.	-	31	15
M.Sc. Zoology	-	10	06
Commerce	-	-	11
Commerce A section	35	40	-
Commerce B section	29	-	-
Total	203	261	178

CRITERION II: TEACHING–LEARNING AND EVALUATION

2.1. ADMISSION PROCESS AND STUDENT PROFILE

2.1.1 *How does the institution ensure wide publicity and transparency in the admission process?*

The admission committee is constituted in every academic year. It follows the admission policy of the parent university and the state government. For transparency, rank list is prepared and it is made known to all students. The publicity is done through the following means:

a) Publishes the Annual Prospectus

Every year the college publishes the prospectus immediately after the end of the academic year and makes it available during the summer vacation, well-in advance before the commencement of the admission process.

b) Has active Website

The college website also provides the details relating to the admission process.

c) Advertises in regional / national dailies

Advertisements for admission are given both in regional and national dailies.

2.1.2 *How are the students selected for admission to the following courses?*

a) General

- i. Students are admitted into various UG and PG Programs offered in the college based on the rank list. (marks obtained in the qualifying exams and as per Tamil Nadu guidelines).

- ii. The reservation policy of Govt of TN (i.e., 31% OC, 30% BC, 20% MBC, 18% SC and 1% ST) is followed.
- iii. More girl students are admitted in all the programs.
- iv. Selection to M.Phil programme is done by conducting entrance examination followed by interview. Admission is done according to the rank of the candidates, prepared as per guidelines issued by Bharathidasan University and with communal reservation of the Govt. of Tamil Nadu.

b) Professional

- i. For Admission into MCA Programmes, marks secured in the qualifying exams and entrance exam (TANCET) are considered.
- ii. 50% of the seats are filled under the government quota from TANCET and remaining 50% is filled by the management.

c) Vocational

Admission is based on marks obtained in the qualifying exam.

2.1.3 What strategies are adopted to create equity and access to

a) Disadvantaged-community (SC/ST/OBC)

- i. Government reservation policy is followed.
- ii. Unfilled seats in OC and BC community are allotted to SC/ST and MBC students.

b) Women

- i. Safe and secured hostel accommodation is provided.
- ii. Exclusive transport facility is provided for women students from various adjoining places.
- iii. Open-air Auditorium, temple, stationery store, a general store, canteen reading room, computer lab with internet facility are exclusively provided for women students within the hostel campus.

c) Differently-abled

- i. Govt reservation policy of 3% reservation is followed.
- ii. Differently abled students are admitted in all the programs without any restriction.
- iii. Preference is given in the library as well as in the college office for remitting fees.
- iv. Ground floor classrooms are provided for those students.

d) Economically-weaker sections of the Society

- i. Very nominal fees for all programmes.
- ii. Scholarship from government, college management, industries and private companies are provided.
- iii. Free boarding and lodging are provided for high achievers and toppers.

e) Athletes and sports persons

- i. Institution identifies young talented athletes / players from the schools and preference is given to them during admission.
- ii. Free board and lodging.
- iii. Sports Scholarship
- iv. Sports persons and N.C.C cadets are given incentives.

2.1.4. What is the ratio of applications received to admissions granted?

<i>(Demand ratio)</i>	<i>2007-08</i>	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>
Professional courses	120/316	120/18	120/1	120/11	120/31
General courses	1439/2368	1240/1624	1470/1524	1650/1534	1650/1414
Post-graduate courses	586/788	532/321	532/280	532/316	532/276
Undergraduate courses	973/1896	828/1323	1058/1250	1238/1229	1238/1169
For all courses	1559/2684	1360/1642	1590/1530	1770/1545	1770/1445

2.2. CATERING TO DIVERSE NEEDS

2.2.1 *Is there a provision for assessing students' knowledge/ needs and skills before the commencement of the teaching program?*

The respective teachers of various subjects assess the knowledge and skill levels of the students through interaction in the class and then, devise the methodology of teaching.

2.2.2 *What remedial measures are available for students hailing from the disadvantaged communities?*

- i. Bridge courses are conducted for all UG students
- ii. The functional Mathematics classes are conducted for the students of non-mathematics.

2.2.3 *Does the institution provide bridge courses to the educationally-disadvantaged students?*

Yes. Bridge courses are conducted in English and Mathematics for educationally disadvantaged students.

2.2.4 *What specific strategies are adopted for facilitating slow and advanced learners?*

Slow Learners

- i. Unit wise tests and class tests are conducted periodically so as to identify slow learners.
- ii. These students are given special attention including coaching classes and the difficult concepts are explained in the regional language wherever applicable.
- iii. Extra coaching and practical lab are given to slow learners.
- iv. Study materials are provided to slow learners.

Advanced Learners

- v. Advanced learners are identified and motivated to make use of the library to the maximum possible extent. They are advised and encouraged to take up add-on courses and to appear for CSIR, GATE and other competitive exams.
- vi. BSRB coaching classes and NET/CSIR coaching classes are conducted.
- vii. In some departments they are permitted to attend Seminars / Symposiums and present papers and encouraged to do extra credit courses.
- viii. Additional assignments / projects are given to advanced learners.

2.2.5 *Is there a practice of having tutorial classes for the students? If yes, for what courses?*

The practice of tutoring the student on the subject is followed by the course teacher concerned after completing each unit and assist them in areas of difficulty. This is followed in all disciplines.

2.2.6 *Give details of the course by sessions of work assigned and implemented in the tutorial session.*

Individual staff members decide on the number of tutorial session depending on the difficulty level of the learners.

2.2.7 *Is there a provision for counsellors / mentors/ advisors for each class or group of students for academic and personal guidance? If yes, specify.*

The staff-in-charge for the class concerned acts as the counselor, mentor and advisor for his/her ward for the development of the conduct and character.

2.2.8 *How is the academic process of each student monitored by the teacher in charge?*

Each staff-in-charge maintains a record of all his/her wards regarding attendance and academic performance and accordingly suitable guidance is given.

2.2.9 *What are the measures taken by the institutions to cater to the needs of differently - abled students?*

- i. Awareness programmes of the Government schemes are conducted to the differently abled students.
- ii. The faculty - members take special care and look after the differently-abled students.

2.3. TEACHING–LEARNING PROCESS

2.3.1 *How does the institution plan and organize the teaching and learning evaluation schedule into the total institutional scheme? Do you have an academic calendar? How is it prepared?*

- i. At the end of every academic year, the principal and HODs meet and decide on the academic plan for the ensuing academic year.
- ii. The academic calendar for an academic year is framed well in advance by a team of Senior Professors, in which due dates for all assignments, tests, commencement of Rehearsal examination and final end semester examinations are noted / indicated.
- iii. The academic calendars are supplied to all Students and Staff in the first week of the reopening of the college.
- iv. The academic Calendar gives the schedule of not less than 90 working days for each semester with six day order system and five clock hours a day.
- v. Staff meeting is convened in each department to prepare the work plan and time-table for each semester, in which teacher-wise work and course wise work is allotted.

- vi. Course-wise teaching plan is prepared.
- vii. The Head of the Department monitors the implementation of teaching plan throughout the semester.

2.3.2 *What are the courses, which use predominantly the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?*

- i. All the programmes offered by the college predominantly use lecture method and demonstration.
- ii. It is supplemented by LCD presentation and power point.
- iii. Experiential learning is given in the Laboratory and study tours are arranged in addition to class-room interactions.
- iv. At PG level, Seminar, Industrial visit, Project work and field visit practices are given to the students.
- v. Educational videos and computer aided packages are supplemented to the teaching and learning process.

2.3.3 *How is 'learning' made student-centric? Give a list of the participatory learning activities adopted by the institution, which contribute to self-management of knowledge development and skill formation?*

- i. Faculty members mould students by honing their skills and encourages originality in thinking.
- ii. The traditional lecture method of instruction is made more learner-centered through interactive and participative dialogues and question-answer sessions in the class-rooms.
- iii. Student Office bearers are entrusted with the responsibility of organizing guest lectures and seminars and this provides an opportunity for them to know the development in the area of study and to develop their leadership and communication skills.

Participatory learning activities

S. No.	Activity	Learning Objective
1.	Assignment	Knowledge development
2.	Seminars	Communication
3.	Participation in Intra and Inter collegiate competitions	Leadership and Communication
4.	Paper presentation	Subject knowledge
5.	Field visit	Enriching the knowledge through observation
6.	Mini project	Instant practical knowledge
7.	Major project	Longterm practical knowledge
8.	Experimental learning	Practical skill development
9.	Extra curricular activities like NCC, NSS, Youth Red cross	Leadership qualities and communication skill

2.3.4 *What are the modern teaching aids used in classroom instructions as well as other student learning experiences? How are these used to facilitate modern information / knowledge flow to students?*

- i. OHP
- ii. LCD
- iii. CD's
- iv. Models
- v. Lab Equipment
- vi. Charts
- vii. Video Lectures from NPTEL and MIT open courseware for the relevant subjects
- viii. Web-based learning

These teaching aids are effectively employed / utilized to enhance knowledge acquisition and the thinking ability of the learners.

2.3.5 How do the students and faculty keep pace with the recent developments in the subjects?

Faculty members keep pace with the recent development by attending Refresher Course / Orientation Course / Seminars / Conferences / Workshops in the relevant subject. Further they enrich their knowledge through articles and research papers published in the reputed journals and magazines. Further more they update by accessing internet and using educational CD/DVDs.

Students enhance their knowledge through participation in Workshop / Seminars / Popular Lecture / Bridge Courses. They also gain knowledge by reading books and magazines and newspapers and browsing the internet. In the class rooms, the students are exposed to the recent development by the faculty members.

2.3.6 Are there departmental libraries for the use of faculty and students? Give details.

Yes. All PG Departments have Departmental Libraries for the use of Staff and Students.

2.3.7 Does the library have INFLIBNET / DELNET facility? What percentage of the faculty uses these facilities?

1. The faculty members are given access to online journals in association with Bharathidasan University.
2. Also the faculty and students have open access to e-journals and free online journals.
3. It is proposed to subscribe to the ENLIST facility.

2.3.8 Does the library have a comprehensive collection of books and journals for all departments?

Yes. The library has a comprehensive collection of books and journals for all departments.

2.3.9 *What are the various teaching - learning methods (lecture method interactive method, project-based learning, computer-assisted learning, experiential learning, seminars and others), used by the teachers for various subjects?*

Subject	Lecture	Interactive Method	Project-based Learning	Computer-assisted learning	Experimental learning	Seminars
Tamil	✓	✓	-	-	-	-
English	✓	✓	-	✓	-	-
Mathematics	✓	✓	✓	✓	✓	✓
Physics	✓	✓	✓	✓	✓	✓
Chemistry	✓	✓	✓	✓	✓	✓
Zoology	✓	✓	✓	✓	✓	✓
Botany	✓	✓	-	✓	✓	✓
Commerce	✓	✓	✓	✓	-	-
Economics	✓	✓	-	✓	-	✓
Computer Science	✓	✓	✓	✓	✓	✓
Biotech	✓	✓	✓	✓	✓	✓

2.4. TEACHER QUALITY

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

In the aided stream, the sanctioned strength is 53 and 40 vacancies are filled-in. The remaining vacancies are filled in by the management. Under self-financed stream, the required staff strength is 103 and filled vacancies is 103. There are no staff from outside the state.

2.4.2 *How are the members of the faculty selected?*

- (i) The institution has a transparent and efficient mechanism to recruit qualified and efficient faculty.
- (ii) Rules and Regulations prescribed by the UGC, Govt. of Tamil Nadu and Bharathidasan University are strictly followed.

- (iii) Roster system prescribed by the Government of Tamil Nadu is followed.
- (iv) The list of eligible candidates is sought from the Professional Executive Employment Exchange, Chennai.
- (v) Advertisements are also given in the leading National Dailies, All India Radio and Doordarshan regarding the vacancies to be filled up.
- (vi) Eligible candidates are directed to appear for an interview before the selection committee.
- (vii) The selection committee is constituted as per the guidelines of the UGC.
- (viii) Personal interview is conducted followed by classroom teaching.
- (ix) Based on their performance, the candidates are ranked and forwarded to the college committee.
- (x) Candidates are appointed by the college committee as per the ranklist.

2.4.3 *Does the college have the required number of qualified and competent teachers to handle all the courses for all departments? If, not how do you cope with the requirements?*

- i. Yes. The College has qualified and competent teachers for handling all courses offered by the Departments.
- ii. Also the class room teaching is supplemented by the invited guest lectures.

2.4.4. *Do you appoint substitutes / additional faculty to teach existing and new programmes? How many such appointments were made during the last year?*

- i. For the existing programmes in the aided stream, fifteen temporary staff members are appointed by the Management until the vacancies are filled-up by the government.

- ii. For FIP vacancies, substitutes are appointed as per the UGC norms.

Existing Programmes	No. of Substitutes appointed
Chemistry	1
English	1

- iii. Teachers are appointed for the new programmes by the management

New Programmes	No. of new Teachers appointed
B.A., Tamil Literature	5
B.A., English Literature	7
B.B.A.,	4
M.Phil (Chemistry)	3

2.4.5 What percentage of the teachers have completed UGC, CSIR, NET and SLET exams?

Most of staff members are exempted from NET / SLET as they have required qualification at the time of appointment. However 7 staff members have qualified NET / SLET exam.

2.4.6 What efforts are made by the management to promote teacher development? (eg: research grants, study leave, deputation to national / international conferences / seminars, in-service training, organizing national / international conferences etc.)

- i. Teachers are encouraged to pursue M.Phil. and Ph.D. programmes.
- ii. Teachers are encouraged to participate and present papers in the seminars and conferences at National and International levels.
- iii. Teachers are encouraged to publish research papers for which necessary monetary and material facilities are provided.
- iv. Financial support is provided for attending international seminars.

- v. The Management motivates the teachers to undertake Major and Minor Research Projects funded by agencies like UGC, DST (FIST), DAE, IAEC, INSA, ICSSR and TNSCST.
- vi. Teachers are permitted to carry out and complete their Doctoral Research work under FDP.
- vii. Teachers are motivated and encouraged to organize seminars.
- viii. Teachers are encouraged to participate and present papers in the seminars and conferences at National and International levels.
- ix. Teachers are provided with on-duty leave and T.A. & D.A. to avail themselves of the above facility.

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

Innovative Methods of Learning

- i. Teaching process is enhanced by using ICT methodology.
- ii. Teaching through demonstration.
- iii. Teaching through hands on experience and field visit.
- iv. Teaching through carrying out projects and experiments.
- v. Teaching through web resources.

The reward is infused in the form of increased performance of the learners and innovations have also motivated the learners for further knowledge exploration.

2.4.8 Does the institution have representation of women among the staff? What percentage?

Yes. The institution has adequate representation of women among the staff and the details are given below:

Overall	81/156	55%
---------	--------	-----

2.4.9 List the faculties who have been recognized for excellence in teaching during the last five years?

Nil

2.4.10 List the faculty who have undergone staff development programmes during the last five years (refresher courses, orientation programmes and staff training conducted by the university and other institutions)

Year	Name of the Staff who have attended	
	Refresher Course	Orientation Course
2005-06	Dr.S.Rajendran, Lecturer in Tamil (SS) Dr.C.Sasikumar, Lecturer in Botany (SS) Dr.P.Neelanarayanan, Lect. in Zoology (SS) Dr.A.Rajendran, Lecturer in Physics Dr.A.Venkatesan, Lecturer in Physics	Tmt.R.Manimekalai, Lect. in Economics Tmt.M.P.Shanthi, Lecturer in Zoology.
2006-07	Thiru A.Sekar, Lecturer in Chemistry Dr.P.Neelanarayanan, Lecturer in Zoology Tmt.Mary Jancy Rani, Lect. in Mathematics	---
2007-08	Dr.K.Revathi, Lecturer in Economics Tmt.M.P.Shanthi, Lecturer in Zoology Dr.C.Sasikumar, Lecturer in Botany	Tmt.T.Jayasankari, Lect. in Mathematics Tmt.Mary Anbumathy, Lect. in Commerce Thiru.M.Asokan, Lect. in Computer Science.

2.4.11. What percentages of the faculty have served as resource persons in Workshops / Seminars / Conferences during the last five years?

2005-2006	16%
2006-2007	16%
2007-2008	26%
2008-2009	29%
2009-2010	32%

2.4.12. What percentage of teaching staff have participated in Workshops / Seminars / Conferences and presented papers during the last five years?

Year	Persons participated	Persons presented papers
2005-06	11	11
2006-07	16	16
2007-08	21	21
2008-09	18	18
2009-10	24	24
2010-11	21	21

2.4.13. Has the faculty been introduced and trained in the use of

- a) Computers
- b) Internet
- c) Audio-visual Aids
- d) Computer aided teaching packages

Yes. Staff members have been trained in the use of Computers, Internet, Audio-Visual Aids and Computer aided teaching packages by the Department of Computer Science by imparting training to them.

2.5. EVALUATION PROCESS AND REFORMS**2.5.1 Does the college evaluate teachers on teaching and research performance? How does the evaluation help in the improvement of Teaching and Research?****Teaching - Evaluation**

- (i) The College evaluates the teachers on teaching through feedback from the students.
- (ii) This process of students' feedback is monitored by the Heads of the Departments and Head of the Institution.
- (iii) Each semester results are generally considered as the parameter for assessing the academic excellence of the students.
- (iv) The results of the evaluation helps the teachers to identify their shortcomings for future improvement.

Research - Evaluation

- (v) The College evaluates the teachers' research performance through the self-appraisal of the teachers submitted at the time of career advancement.
- (vi) The College Research and Development Cell, consisting of the research supervisors of various departments, plans and evaluates the research programmes periodically in the College and suggests measures for improvement.

2.5.2 *Has the institution introduced evaluation of teachers by the students? How is the feedback analyzed and implemented for the improvement of Teaching and Learning?*

- i. Yes. The institution has introduced evaluation of teachers by the students.
- ii. The feedback received from them is analyzed by assigning scores on a rating scale and suitable suggestions are recommended by the Heads of the Department and Head of the Institution.
- iii. Transparency is ensured throughout the entire process.

2.5.3 *Does the institution promote self-appraisal of teachers? If yes, how often?*

Yes. The institution promotes self-appraisal of teachers at the time of career advancement.

2.5.4 *Is the appraisal by the teachers reviewed by the head of the institution and used to improve the quality of teaching?*

- i. Yes. The Head of the Institution and Heads of the Departments review the self appraisal of teachers and forward it to the college committee with suitable recommendations.
- ii. The college committee suggests suitable measures to improve the quality of teaching.

2.5.5 *Does the institution have an academic audit of departments? Illustrate.*

The college has constituted an academic Audit Committee comprising of Principal Rep. from management HODs, COE, IQAC coordinator and two senior most staff members. The Audit Committee meets twice in a year. The audit committee meets and forms different teams for auditing each department. After conducting the audit the team submits a report with its recommendation to the committee.

2.5.6 *Based on the recommendations of the academic audit what specific measures have been taken by the institution to improve the teaching, learning and evaluation?*

- i) Counseling by the staff-in-charge.
- ii) Remedial coaching classes for slow learners.
- iii) Parents-Teachers meet at the Department Level.
- iv) Encouraging the advanced learners to do value added courses, to use Library facilities.
- v) Conducting Additional Tests and Assignments.

2.5.7 *How does the institution monitor the performance of the students? (Annual / Semester exam, Trimester Exam, Midterm Exam, Continuous assessment, Final exam, etc.,)*

The performance of the students is monitored by the following way:

- i. Three assignments are given to students from which their learning levels are accessed.
- ii. If the assignment is not satisfactory, the students are asked to redo the assignment.
- iii. Three internal tests and one rehearsal examination are conducted for every semester.
- iv. Evaluation is done periodically and the assessment marks are awarded for each course.

2.5.8 *How are the evaluation methods communicated to students at the beginning of the year?*

- i. The evaluation methods adopted by the college are informed to all the students at the beginning of the academic year on the very first day itself by the teachers.
- ii. The college academic calendar also provides the details regarding due dates for assignment submission and rehearsal examination.
- iii. The students are periodically reminded of at different stages through circulars as well as by staff-in-charge in this regard.

2.5.9. What is the method of evaluation followed? (Central, Door, Double evaluation, etc.)

- i. UG: Central valuation by External Examiners during April and November examinations and door valuation for supplementary and instant examinations.
- ii. PG / M.Phil.: Double valuation (one internal and the other external) Central Valuation for April, November examinations Door Valuation for supplementary and instant examinations. After the second valuation, the marks secured in I and II valuations will be taken. If the difference in the marks of I and II valuation exceeds 10, the script will be sent for a third valuation. After the third valuation, the average marks of the nearest of the two valuations are considered for the result publication.

2.5.10 What is the mechanism for Redressal of grievances regarding evaluation?

- i. If the questions are out of syllabus, the matter is reported, by the staff concerned, to the Principal through the Head of the Department.
- ii. The Principal forwards the grievance to the Controller of Examination for appropriate action.
- iii. The grievances reported by the students or staff are placed before the Chairman of the Examination Board concerned. The decision of the Board is final.
- iv. U.G Students desirous of revaluation are given the photocopy of their answer scripts on the basis of recommendation made by the Head of the Departments concerned. This has been in practice since the introduction of autonomy.

2.5.11 When are the examination results declared? Give the time frame?

- i. The odd semester examination commences in the first or second week of November and the results are declared in the second or third week of December.

- ii. The even semester examination commences in the last week of April or first week of May and the results are declared in the first or second week of June.
- iii. Generally the results are declared as soon as the evaluation process is over.

2.5.12 Does the institution communicate to the parents regarding the evaluation outcome? Describe the weightages given to assignments / seminars / dissertation / field work and written exams.

- i. The results are published in the college website and also displayed on the college notice board and a copy sent to the departments.
- ii. The results are also published in the hostel notice boards.
- iii. A copy of result for those students who have scored low marks, are sent to their parents.
- iv. As and when parents visit the department, the results are shown to them.

Weightages given to assignments / seminars / dissertation / field work and written exams.

- i. The weightages for written examination and CIA are 75 and 25 marks respectively.
- ii. The weightages for CIA in UG programmes are: for the assignments 5 for class tests 10 marks and for rehearsal tests 10 marks.
- iii. For PG programmes, Assignment / Seminar 5, class tests 10 marks for rehearsal test 10 marks.
- iv. The project work at PG level carries 40 (20 + 20) for two reviews, 40 for evaluation and 20 for viva-voce.
- v. For MCA programme, the project work carries 80 (40 + 40) for two reviews, 80 for report evaluation and 40 for viva-voce.

vi. For M.Phil., programmes, assignments / seminars 10 marks, class tests 15, rehearsal marks 15 the dissertation carries 150 for evaluation and 50 for viva-voce examination.

2.5.13 Explain the functioning of the office of the controller of examinations.

Functioning of Controller of Examinations

1. Appoints question paper setters and receives question paper sets with the key and detailed schemes of valuation.
2. Scrutiny of question papers.
3. Printing of question papers.
4. Announces the schedule of semester examination for all programmes.
5. Receives the CIA marks finalized in each Department from the HODs and publishes the same.
6. Issues and receives the filled in application forms from the students.
7. Preparing and registration of the list of candidates and the subjects for which they appear.
8. Arranges for the issue of hall tickets.
9. Arranges for evaluation of papers.
10. Data entry and preparation of mark sheets.
11. Organises the result passing board.
12. Publishes the results, issues the mark statement and the consolidated mark statements to the students.
13. Prepares the list of candidates for Provisional Certificates to be issued by the University.
14. Arranges for conduct of instant examination for outgoing students after the publication of final year results.
15. Arranges for the conduct of supplementary examinations.
16. Arranges for revaluation of answer scripts whenever necessary.
17. Arranges for dealing with the malpractice cases, if any, to the examination disciplinary committee, to take appropriate action.

2.5.14 How long has the current system of evaluation been in practice?

The present evaluation of system has been in practice ever since the introduction of autonomy in the college from April 2005.

2.5.15 Has the institution carried out any evaluation reforms? If yes, what are the reforms made with reference to evaluation? (Peer evaluation, Double evaluation, Open book examination, Question Bank, Moderation, Internal assessment etc.)

- i. The College adopts single external valuation for the UG programmes and double valuation for PG and M.Phil. programmes.
- ii. All the courses, for all the parts, question papers are set and the valuations is carried out only by the external examiners.
- iii. Moderations are subject to the recommendations of the result passing board.
- iv. Improvement in CIA is made possible for the students who fail to secure the passing minimum.
- v. E-Assignments in web technology are given.
- vi. Comprehensive course has been introduced for all UG programmes
Question paper pattern is of objective type. Question bank is provided for all the comprehensive courses.

2.5.16 How the evaluation process is made transparent? Illustrate the different stages of evaluation till the declaration of results.

1. Transparency

The entire evaluation process is kept secret and confidential so that the entire process is defined in a systematic way with built-in safety mechanism.

2. Different stages of evaluation

- i. Registration of candidates for the examination.
- ii. Finalizing the number of candidates appearing for each subject – by preparing the Galley and the Nominal Roll.

- iii. Receiving Question papers with schemes of Valuation by appointing question paper setters.
- iv. Scrutiny of question papers are maintained
- v. Printing and packing of question papers.
- vi. Announcement of examination schedule and Receiving the CIA marks from the Departments
- vii. Issue of Hall Tickets and conduct of examinations.
- viii. Arrangement for Central valuation.
- ix. Entry of marks, checking and conducting Result Passing Board meeting attended by the Chair Persons.
- x. Publication of Results.
- xi. Issue of Mark Statements.

2.5.17 *Mention the number of malpractice cases reported and how they are dealt with (average per year)*

Sl. No	Month & Year of Examination	No. of Malpractice cases Reported
1	April 2005	-
2	November 2005	-
3	April 2006	-
4	November 2006	-
5	April 2007	07
6	November 2007	14
7	April 2008	01
8	November 2008	07
9	April 2009	05
10	November 2009	-
11	April 2010	01
12	November 2010	01
13	April 2011	04

- i. Once the reports are received from the Hall Superintendent and Chief Superintendent, the COE sends them to the Principal for further action.
- ii. The malpractice cases are dealt with by Examinations Disciplinary Committee.
- iii. Depending upon the nature of the malpractice, each case is dealt with separately.
- iv. The disciplinary action for different types of malpractices are taken on par with University Regulations.
- v. The report is submitted to the COE, based on the reports and further action is taken.

2.5.18 Does the college provide the photocopy of answer scripts to students? Give details of the practice.

- i. Yes. The college provides the photocopy of answer scripts.
- ii. Any student can get a photocopy of the valued answer scripts on payment of a prescribed amount.
- iii. HOD / Course Teacher values the script and with the recommendation of the HOD it is sent for revaluation if found necessary.

2.5.19 Give details regarding the computerization of the examination system.

- i. Entry of applications during the admission of the students for all the programmes.
- ii. Photos are scanned as per the roll numbers.

The following functions are carried out using the computerized facility of the COE office.

The entire office of COE has been computerized to speed up the routine and to ensure security and confidentiality. The following are the important functions of the computerized COE.

- i. Entry and publication of CIA marks.
- ii. Register number generating.

- iii. Preparation of nominal roll.
- iv. Preparation of galley.
- v. Preparing the exam time table and placing it on the college website.
- vi. Hall ticket generation.
- vii. External marks double entry.
- viii. Preparation of TMR.
- ix. Publishing the result and placing it on the college website.
- x. Preparation of individual marksheets.
- xi. Preparation of consolidated marksheets for outgoing students.
- xii. Results to be sent to Bharathidasan University in order to obtain Provisional Certificate.

2.5.20 What are the measures taken by the institution to ensure security and confidentiality of the evaluation system?

- i. The Office of the Controller of Examinations is independent from the general stream of administration in the College.
- ii. Stand alone server (Separate network for COE Office).
- iii. All the activities in the office are monitored and recorded through closed circuit camera.
- iv. Single entry door with finger scanner.
- v. Admission to COE office is restricted.
- vi. Staff can enter only with the permission of COE.
- vii. Electronic Crashing machine.
- viii. Safe room for records.
- ix. Mark sheets are secured with two security features.
- x. Mark sheet must have the original signature of COE / Principal.
- xi. The list of question paper setters, recommended by the Board of Studies, Chair Persons and approved by the Governing Body, is finalized by the Controller of Examinations and kept confidential.
- xii. Appointment of examiners for valuation and appointment of question paper setters are strictly confidential.

2.6 BEST PRACTICES IN TEACHING, LEARNING AND EVALUATION

2.6.1 What innovations / best practices are followed by the college with regard to teaching, learning and evaluation, with reference to admission process, student profile / catering to diverse needs / teaching-learning process / teacher quality / evaluation process and reforms or any other quality initiatives?

1. The College admits students from all sections of the society irrespective of the religion, caste or community, without collecting capitation fee.
2. The College keeps the minimum marks as the eligibility for admission to students belonging to economically and socially disadvantaged sections of the society, besides following the Tamil Nadu Government norms for reservation in admission.
3. The College gives admission to educationally disadvantaged students (below average and average students) in large number.
4. Preference in admission is given to the first generation learners.
5. Bridge courses are conducted for educationally disadvantaged students at the entry level
6. Each class has one / two staff-in-charge to give academic and personal guidance to the students.
7. Slow learners are given remedial coaching
8. Advanced learners are motivated to do add on courses / concurrent programmes / encouraged to appear for CSIR, GATE and other competitive examinations.
9. Academic plan is prepared well in advance during vacation and the academic calendar is released in time when the college reopens every year.

10. The schedule given in the academic calendar is strictly adhered to, without any major deviation.
11. In every academic year and in each semester, the College works for a minimum of 90 working days.
12. Participative learning process is practised by the teachers.
13. Inviting subject experts from outside to deliver guest lectures is a regular feature.
14. Modern teaching aids (Power point presentation) are used to facilitate knowledge flow to the students supplementing the lecture method.
15. PG Departments have departmental library.
16. Free access to internet facility is given to the teaching staff and students to keep pace with the recent development in their respective subjects.
17. Experiential learning is given not only to the science students but also to the students of the arts and commerce.
18. Project based learning is practised in all PG programmes.
19. Members of the faculty are selected and appointed on merit basis.
20. More than 50% of the aided teaching staff hold Ph.D., as their highest qualification.
21. Nearly 10% of the teaching staff are qualified with NET / SLET examinations at the entry level.
22. The college encourages the teaching staff to avail study leave, to undergo FDP, post-doctoral research options, participate and present papers in international, national conferences / seminars.
23. Research departments in the college organize seminars / conferences at the regional level and national level.

24. Teachers undergo refresher, orientation and self development programmes periodically.
25. Teachers in the college act as resource persons in seminars and deliver invited lectures in other Colleges.
26. Students evaluate the Teachers and the feedbacks from the students are used for further improvement of teaching and learning.
27. Academic audit is conducted every year.
28. Students are given a photo copy of the valued answer scripts. Malpractice cases are severely dealt with.
29. Opportunities are given for revaluation.
30. Results are published on the website.
31. Proven security system has been evolved in the evaluation and confidentiality is strictly maintained in the process of evaluation.
32. CIA improvement is made possible for the students.
33. Instant examinations for the failed outgoing students are conducted.

Based on the evaluative observation of previous assessment report, action or measures are taken up for quality sustenance and enhancement in Teaching, Learning and Evaluation. They are as follows:

- New programmes, namely, B.A. English of literature, B.A. Tamil and M.Phil. Chemistry are introduced for the benefits of the rural and poor students. Career oriented Diploma programmes are also offered.
- M.Sc., Bio-technology, is the new programme started at the PG level as a job oriented programme.
- On campus and off campus interviews are arranged.
- Horizontal mobility of the students is ensured by inter-disciplinary courses and SKBC under CBCS autonomy programme.
- Advanced learners simultaneously do a concurrent programme.

- Under CBCS pattern, new courses have been introduced to train the students for appearing in the competitive examinations.
- Remedial coaching is given to the weaker students in the relevant subjects by the teachers concerned.
- Invited guest lectures are arranged in each department.
- The college conducts the performance appraisal of the teachers through self appraisal and feedback evaluation by the students.

1. Admission Process

- Transparent admission system.
- Preference in admission and first generation learners.
- Admitting a good number of women students.

2. Student Profile / Catering to Diverse Meet

- Bridge Courses are conducted.
- Slow learners are given remedial coaching.
- Advanced learners are motivated to do concurrent courses.

3. Teaching – Learning Process

- Use of modern gadgets for teaching and learning.
- Inclusion of seminars, projects, field visits as essential components of CIA.
- Effective utilization of audio visuals, web-resources for supplementing teaching – learning process.
- Learning through demonstration kits.
- Practising e-assignments.

4. Teacher Quality

- Teachers undertake major & minor research projects.
- Pursuing Ph.D. and publications of papers.
- Attending national and international seminars.

- Act as Resource persons.
- Participating and organising faculty development programme.
- Recruiting teachers with highest qualification.

5. Evaluation Process / Reforms

- Sustaining the standard of question papers by evaluating question papers by the experts.
- Double time entry of external to ensure fool proof
- Transparent process of publishing of CIA.

CRITERION - III: RESEARCH, CONSULTANCY AND EXTENSION

3.1. PROMOTION OF RESEARCH

3.1.1 *Describe various steps taken to encourage research by the faculty (by providing seed money, grants, other facilities)?*

Staff members are encouraged to

1. Pursue active research in the area of their interest.
2. Prepare and submit project proposals to various funding agencies like UGC, DST, DRDO etc. for financial support.
3. Publish various research articles in the national / international reputed journals.
4. Access 24 hrs internet services.
5. Participate in National / International Conferences / Seminars / Workshops and present papers.
6. Organize National / International Conference / Workshop / Seminars.
7. Arrange guest lectures through inviting visiting Faculty experts.

3.1.2 *Is research a significant activity of the college? How does the institution promote Faculty participation in research and recognize faculty for guiding research?*

Yes. The institution evinces keen interest in promoting quality research in the campus. Presently, three departments viz. Physics, Zoology and Commerce have done substantial research in their respective areas. Five other departments namely Mathematics, Computer Science, Biotechnology, Economics and Chemistry have initiated active research.

The institution promotes active research by motivating the faculty members by the following means:

1. Providing a conducive ambience for pursuing research
2. Establishing the required research facilities
3. Upgrading the department as recognized research centre.
4. Constituting departmental research advisory committee.
5. Providing financial assistance for visiting various organizations, institutes and universities.

3.1.3 What provision is made in the budget for research and development?

A sum of ₹ 2,55,000/- was spent towards Research & development in the last academic year.

3.1.4 Does the college promote participation of the students in research through the academic programme?

Yes. The faculty members motivate Post graduate students to pursue their career in research leading to M.Phil. / Ph.D. They are also encouraged to

1. Interact with research scholars and allowed to make use of all, research facilities available in the department.
2. Participate in State / National / International Seminars / Conference / Workshops and present poster / oral papers.
3. Attend guest lectures delivered by eminent persons both from within the college and out side.
4. Participate in Ph.D. viva-voce examination.
5. Undertake research projects funded by TNSCST.
6. Publish their research findings in journals.

3.1.5 What are the major research facilities developed and made available on the campus?

The following research facilities are available in various departments.

The Instrumentation centre is equipped with sophisticated Instruments like

- ❖ Fermentor (NBS-USA)
- ❖ Inverted Microscope (Olympus, Japan)
- ❖ CO₂ Incubator (SANYO, Singapore)
- ❖ Gel Documentation (Alpha Innotech, USA)
- ❖ Polymerase Chain Reaction (EPPENDORF, Germany)
- ❖ Projection Microscope
- ❖ Bomb Calorimeter
- ❖ Spectrophotometer etc.
- ❖ FTIR Spectrophotometer
- ❖ Czochralaski Crystal Puller
- ❖ Vicker's Hardness Tester
- ❖ UV Spectrophotometer
- ❖ Digital Storage Oscilloscope
- ❖ Constant Temperature Bath
- ❖ Muffle Furnace

3.1.6. Does the college subscribe to research journals for reference as per the department requirements?

Yes.

3.1.7. What are the initiatives taken by the institution for collaboration with other research organizations and industry?

The institution has taken initiatives to collaborate with other organizations like CECRI, Karaikudi, IISc., Bangalore, NPL, New Delhi, CNLD, Tiruchirapalli, NIPHM, Hyderabad in pursuing research activities.

3.1.8. Is there a research committee to facilitate and monitor research? Give details.

Yes. The institution has research committee which monitors the progress of research of each department. The committee meets twice in a year. In addition to this the departments of Physics, Zoology and Commerce have individual department research committee.

3.2. RESEARCH AND PUBLICATION OUTPUT

3.2.1. Give details of the ongoing minor and major projects?

Details of the Minor Research Projects

Name of the Staff	Title of the Project	Name of the funding Agency	Amount (in ₹)	Duration	Status
Dr. A.Rajendran	Design and Development of Micro controller Based Systems for Measurement of Nitrate ion Levels in Water Samples	UGC	70,000	2007-2008	Completed
Dr.S.Muthukumaran	Preparation and characterization of Mn incorporated zinc sulfide (ZnS) nanostructure	UGC	90,000	2008-2010	Completed
Dr. A.Venkatesan	Strange NonChaotic attractor in NonLinear Circuits	UGC	97,000	2010-2012	Ongoing

Details of the Major Research Projects

Name of the Staff	Title of the Project	Name of the funding Agency	Amount (in ₹)	Duration	Status
Dr.S.Kumararaman	Development of Growth Technology of LaMnO ₃ Crystals.	UGC	7,50,000/-	2007-2010	Completed
Dr.P.Palaniyandi	Nonlinear Dynamics	DST	2,15,000/-	2006-2009	Completed

Name of Investigator	Title of the Project and duration	Amount sanctioned (Rs.)	Funding agency	Status
Dr.P.Neelanarayanan	Determination of Effective poison bait carrier for the Management of Rodent pests – Minor Research Project (2005-2007)	91,000.00	UGC	Completed
	Diversity of vermifauna and their population dynamics in Kolli hills a part of Eastern Ghats, Tamil nadu (August 2008 –July 2011) – on going	16.43 lakhs	Ministry of Environment and Forests, Govt. of India	Completed
	Determination of shelf life period of vermicompost with special reference to its physical, chemical and biological parameters – Minor Research Project (April 2009 to September 2010) – on going	1,25,000.00	UGC	Completed
Prof. M.P. Santhi	Evaluation of Anticancer activity of <i>Biophytum sensitivum</i> - Minor Research Project (July 2010 to February 2012) – on going	1,00,000.00	UGC	Ongoing
Dr. N. Ramesh	Population and distribution of Indian Peafowl (<i>Pavo cristatus</i>) in and around reserve forest and agro ecosystems of Thuraiyur area, Trichy district, Tamilnadu, Southern India - Minor Research Project (July 2010 to February 2012) – on going	1,25,000.00	UGC	Ongoing

Name of the Staff	Title of the Project	Name of the funding Agency	Amount (in ₹)	Duration
Dr.Revathi	1. 1.Alternative Employment Opportunities for dry land farmers in Puthanampatti village	UGC	75,000/-	2007-2008
	2. A Comparative study on income generating activities of rural and urban women SHG – Harnessing Bank linkage program.	UGC	90,000/-	2009-2010

3.2.1 Does the college have research funding from the Government, Industry, NGO or International agencies? Give details

Yes.

3.2.2 Does the college have research students currently registered for M.Phil. & Ph.D.? Give details of number of M.Phil.s / Ph.D.s awarded during the last five years?

In six departments an average of 112 students pursue M.Phil. and 12 students pursue Ph.D. students. 16 research scholars completed their Ph.D. in the Department of Physics and Commerce.

Does the college provide fellowship / scholarship to research scholars? BC/MBC/SC/ST Government sponsored scholarships.

- Devi charities, Chennai
- Rajiv Gandhi fellowship
- TNSCST
- Students Scholarship (SC / BC / MBC)

3.2.3 Does the college have post-doctoral fellows currently working in the institution?

Nil

3.2.4 Give highlights of the collaborative research conducted by the faculty

- 1) Collaborative Research with foreign scientists.
- 2) INSA, Bangalore
- 3) IISc., Bangalore

3.2.5 What research awards and patents were received by the faculty during the last five years?

INSA Fellowship Award and UGC Career Development Award and Young Scientist Award were received by the faculties.

3.2.6 *Are there Research papers published by the faculty in refereed journals periodically, by the faculty? If yes, specify.*

Refer Annexure.

3.2.7 *Give the list of publications by the faculties.*

a. Books	:	3
b. Research papers	:	58
c. Abstracts	:	103
d. Proceedings	:	15
e. Theses	:	14
f. Any other (specify)		

3.2.8 *Furnish details about citation index / impact factor of publication by the faculty?*

1.62

3.3. CONSULTANCY

3.3.1 *List the broad areas of consultancy services provided by the Institution during the last 5 years (Industries, Government, NGO / Community / Public)*

- The college provides consultancy to characterize the need of the scholars with regard to FTIR, UV, hardness measurement, HPLC etc. at a very nominal amount.
- Members of the Physics department started providing consultancy within the campus and outside the campus by servicing the electric and electronic equipments or gadgets and demand based design of specific equipments.
- A few staff members of Computer Science have developed application software packages for conducting on-line tests for assignments, entrance test for M.Phil. admission, Staff evaluation package, Feedback study report of the stakeholders, etc.

- A team of faculty members prepared a software package for preparation of CIA Marks to be submitted to the COE.
- A few staff members have created avenue to popularize the fundamental sciences to teach better at school level and to expose the recent research topics among the teaching faculty.

3.3.2 Does the institution publish the expertise available for consultancy services?

Yes. The primary goal of the institution is teaching and research and so no commercial consultancy is encouraged or offered. The institution does not publish its consultancy service. Consultancy if offered is at individual level and so the college does not generate funds through consultancy.

3.3.3 Give details regarding the nature of consultancy services and revenue generated? What are the mutual benefits accrued due to consultancy?

Dr. P. Neelananarayanan, Asst. Professor (SG) of Zoology provides consultancy services in the areas like vermiculture and Poultry farming. Various workshop/training programmes are organized to create awareness among farmers of nearby villages. A vermicompost production centre is established and an average revenue ₹ 1,25,000/- per annum is generated.

Dr. V. Selvaraj, Associate Professor and Head, department of Commerce provides online stock market consultancy service. He creates awareness among the students and public.

Prof. M. Muralidharan, Associate Professor and Head, department of Computer Science provides consultancy service on business process outsourcing to various organizations, Institutions and students.

Prof. K.T. Tamilmani, Asst. Professor (SG) and Head, department of English provides consultancy service on effective communication skills to various organizations, Institutions and students.

3.4. EXTENSION ACTIVITIES

3.4.1 *What outreach programmes are organized by the institution? How are they integrated with the academic curricula?*

Our NSS volunteers are undertaking outreach programmes in tribal villages like Manalodai, Top Sengattupatti and Sembulachinpatti, a predominant hilly area and creating awareness on health and hygiene, literacy and AIDS awareness. Certificates are issued for the participants and an academic credit is given in Part - IV of our curriculum.

3.4.2 *How does the college promote institution-neighborhood network in which students acquire service training, which contribute to sustained community development?*

Our NSS units adopt nearby villages Abinimangalam, Edumalai, and Thenoor and organize various social services. NSS units also organize special camps in every year. Students are getting training on society awareness and thereby contribute community development.

3.4.3 *How does the institution promote the participation of the students and faculty in extension activities of NSS, NCC, YRC and other NGOs? How often and in what roles are they involved?*

Our institution has six NSS units with hundred students in each unit. Every unit is taken care of by a programme officer. An infantry unit of NCC with strength of 90 cadets functions in the college. Besides the college has Youth Red Cross, Red Ribbon club, Gender club and consumer club. The interested students may enroll themselves in any one of the programmes listed above. The interested faculty members are nominated to look after the extension activities and they create awareness among students about the programmes available. Dr. A. Rajendran involves in creating awareness on global warming in various schools of Trichy and Dindigul district in association with Ashirwad Trust, Vaiyyampatti. This programme is sponsored by DST, New Delhi.

3.4.4 *Is there any research or extension work to ensure social justice and to empower under-privileged sections in particular, women and children?*

Yes, the faculty from Economics department involves in research and extension programme addressed to issues like SHG, Gender equity, and woman empowerment.

3.4.5 *What is the impact of extension on the community? Specify.*

The following is the impact on the community through the extension activities.

1. Computer literacy to the nearby elementary school.
2. Awareness among tribal villagers in the health and hygiene, and AIDS.
3. Awareness among the public about afforestation.
4. Awareness among rural women about financial assistance and marketing of products by SHG.

3.4.6 *Does the college receive awards / recognition for extension activities?*

1. Maj. Dr. T. Jeyaprakasam received the best NCC officer award.
2. Prof. M. Muralidharan received best NSS officer state award and he was recognized for his outstanding services on Theppakulam cleaning project by Bharathidasan University.

3.5. COLLABORATIONS

3.5.1. *How many linkages does the institution have, for research and extension?*

Our institution has established linkages with following organizations for pursuing research and carrying out extension programmes. These linkage programmes are beneficial to the faculty members for developing their expertise and provide a platform for hands on training.

1. Indian Institute of Science, Bangalore
2. Crystal Growth Centre, Chennai
3. SSN College of Engineering, Chennai

4. Center for Non Linear Dynamics, Bharathidasan University
5. Rajiv Gandhi Center for Bio Technology, Tiruvanandapuram
6. VIBIS HONEY, Madurai.
7. TANUVAS, Veterinary University Training and Research Centre, Namakkal, Tiruchirappalli and Thanjavur.
8. Department of Sericulture, Govt. of Tamil Nadu, Tiruchirappalli.
9. M/s. HOV Services Limited, Chennai.

3.5.2. List the organizations and the nature of linkage and expected outcomes.

S. No.	Name of the Institution	Nature of Linkages	Expected outcomes
1	Indian Institute of Science, Bangalore	Research	Characterization of Crystals – Utilization of XRD , SEM, TEM
2.	Crystal Growth Center, Chennai	Research	Characterization of Crystals – Utilization of XRD , SEM, TEM
3.	SSN College of Engineering, Chennai	Research	Characterization of Crystals – Utilization of XRD , SEM, TEM
4	Center for Non Linear Dynamics, Bharathidasan University	Research	Study of Non Linear Circuits
5	Rajiv Gandhi Center for Bio Technology, Tiruvanandapuram	Research	DNA bar coding of earth worms collected from kolli hills
6	VIBIS HONEY, Madurai	Extension Activities	To impart training on apiculture
4.	TANUVAS - VUTRC	Extension Activities	To impart training poultry farming, dairy farming and Ornamental fish farming
5.	Department of Sericulture	Extension Activities	To train the students on sericulture techniques
6.	HOV Services Limited	Extension Activities	To impart training on Business Process Outsourcing, Earn While you Learn Programme

3.5.3. How does the linkage promote

(a) Curriculum development

The linkage programmes pertaining to research activities helps the department concerned to design suitable and recent curriculum for Post Graduate and research programmes. For example, Non Linear Electronics Theory and Practice, Nano Science and Materials are included as core courses in the research programmes.

The linkage programme pertaining to extension activities helps the departments concerned to design suitable job oriented and vocational courses in the curriculum. For example, Apiculture, Sericulture, Dairy farming, Poultry farming, Ornamental fish farming, Fish farming, BPO and Health care and E-content management are included as skilled based/ non major elective courses for the undergraduate programmes.

(b) Internship

The computer science students are allowed to undergo internship / project work in M/s. HOV Services Ltd. The Company provides real time problems for the students.

(c) On-the-job training

The students are provided with on the job training in Business Process Outsourcing with M/s. HOV Services Ltd. The students are getting real time exposure.

(d) Faculty exchange and development

The Faculty members of computer science department have undergone training programme on BPO and E Content Management.

(e) Student Placement

On campus and Off Campus programmes are arranged with M/s. HOV Services Ltd and around 40 students have been placed in the company during the last five years.

3.5.4. What measures has the institution adopted, to enhance the quality of Research, Consultancy and Extension during the last five years?

Research

The institution motivates the faculty members for pursuing active research.

To enhance the quality of the research the management upgraded the infrastructure facilities and procured basic and advanced equipment for carrying out research activities.

The PG and Research Department of Physics, Chemistry, Zoology and Bio-technology are housed in separate blocks.

The institution established a Centre for Eco-friendly Agro-Technologies (CEAT) for pursuing research in Vermi Bio Technology and Management of Rodent pests.

The department of Physics has been awarded DST-FIST programme of worth of ₹ 35.5 Lakhs and a Major research project funded by Ministry of Environment and Forests to the Department of Zoology with an outlay of ₹ 16.5 Lakhs.

Unlimited Broadband Internet facilities, Computers / Laptops and printer facilities are provided to the faculty members for carrying out research.

Consultancy

The institution encourages the faculty members to get expertise in the field concerned.

The institution provides facilities to attend workshop and training programmes.

The institution established vermicomposting yard for the production of Vermi compost which is used as a training centre for both students and farmers.

The institution established a green house for the production of Herbal plants nursery.

This facility is used to train both students and farmers.

Extension activities

The institution provides adequate facilities for carrying out NSS, NCC, YRC, RRC, Gender Club and Consumer Club activities.

Special camp programmes, awareness programmes, field visits, training programmes and community development programmes are organized periodically.

Collaborations

The institution in collaboration with M/s. HOV Service Ltd., established a BPO centre with a capacity of 250 seats for carrying out on-job training, placements and earn while You learn programmes.

3.6 BEST PRACTICES

3.6.1. Describe the best practices in research, consultancy and extension with reference to promotion of research / publication output / consultancy and extension activities / collaborations?

- Out of 39 Aided Staff members in the regular post, 27 members are Ph.D's (i.e., 81% faculty) and 49 M.Phil's and out of 103 Unaided Staff members in the management post. 10 Faculty members have been recognized by the parent university to guide Ph.D. Scholars in the assessment period.
- Out of research promotion activities, subjects related UGC and other agencies sponsored 5 National Conferences have been conducted in the assessment period.
- Project work is mandatory to all Post Graduate students and to the four Under Graduate departments (Business Administration, Commerce CA, Economics, Computer Science) to create research thrust among the students.

- Department of Mathematics conducts annually the **Ramanujam's Day** to inculcate the research quest of their discipline.
- Other departments also conduct the extravaganza to promote their own department specific skill.
- Department of Physics has been conducting coaching classes for CSIR / UGC / NET / GATE coaching in Physics for our students since 2010 and for others too from 2011.
- The college has the future plan of exploring the possibilities of Students Exchange Programme and faculty Exchange Programme and Development Programme with Foreign Universities and Centres of Excellence at the National and International Level.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 PHYSICAL FACILITIES

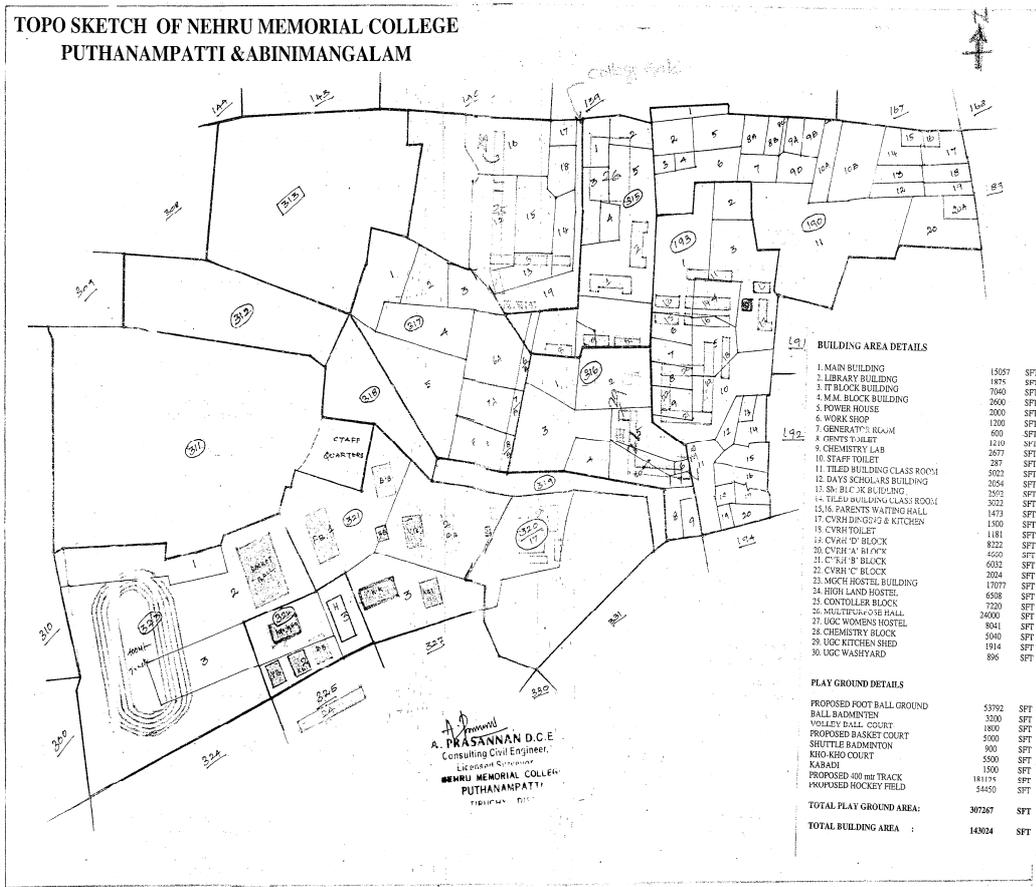
4.1.1. How well endowed is the college in terms of physical infrastructure (classroom, administrative buildings, staffroom, transport, water, power supply, etc., to run the academic programme) Enclose the master plan of the college campus indicating the existing buildings and the projected expansion in the future?

The college is situated in a sprawling campus in 45.20 acres with a built up area of 3, 68,640 sq. ft. There are 9 different blocks available for housing classrooms, Laboratories, Library, Staff Rooms, Controller of Examinations and Administrative Block. The College has 59 class rooms, 21 staff rooms, 2 college Administrative Offices and separate rooms for Principal, Secretary and President. Separate laboratories are available for Physics, Chemistry, Computer Science, Zoology, Bio-technology and Hotel Management. All rooms are provided with electrical fittings. Besides these amenities, the college has an exclusive computer centre with 250 terminals, 3 air conditioned seminar, conference and audio / visual hall.

The institution provides adequate transport facilities (7 buses and 1 Van) to the faculty and students. In case of emergency a car is exclusively available for Hostel inmates and the staff.

Reverse Osmosis (RO) plant has been installed and purified drinking water is supplied to all the students, staff and Hostels.

Uninterrupted High Tension power supply with 250 KVA is provided to laboratories, class rooms, hostels. In addition to that power generators with a capacity of 63 KVA, 180 KVA and 200 KVA have been installed.



A multipurpose hall with a built in area 24000 sq. ft. has been established for the purpose of organizing multifarious activities like, examinations, convocations, games, cultural events etc.

Graphical / Pictorial representation of the growth of the college

1. Tiled building -1967
2. Main building - 1972
3. MGC Hostel - 1974
4. Highlands Hostel - 1976
5. CVR Hostel - 1977
6. Computer Centre - 1994
7. Library - 1995
8. IT Block - 2000
9. Bio Technology block - 2005
10. PG Physics block - 2009
11. Chemistry block -2010
12. Multipurpose Hall - 2011

The master plan of the college campus is included for reference.

4.1.2. *What are the infrastructure facilities available for?*

a) Academic activities

College administration provides well furnished class rooms, workshop, computer centres, well equipped laboratories, seminar halls and user friendly library for academic activities.

b) Co-curricular activities (Auditorium, Open air theatre etc.)

Mookkapillai Multi-Purpose Hall which can accommodate 2500 students is constructed with public address system and lighting facility to conduct college functions, semester/Rehearsal examinations, graduation day, cultural activities etc.,

There is an open air auditorium in the Sir C V Raman Women's Hostel to conduct various programmes.

c) Sports (Swimming pool, indoor facilities, Gymnasium etc.)

Indoor Facilities

The institution has established indoor game facility for:

- Two badminton courts
- Three table tennis boards
- Multistation gym-four station bench press, bich, frich, rower, latpul, leg curl, leg extension, peek deck and leg press
- Power lifting
- Weight lifting and
- Body building

Laboratories

The college management imparts quality practical training to the students. The college has 9 fully equipped laboratories belonging to the Physics (UG & PG), Chemistry (UG & PG), Computer Science (UG & PG), Zoology (UG & PG), Hotel Management and Bio-technology departments.

d) General computer education

A central computing facility is available with 260 terminals housed in two separate floors with 5 different labs. The Computer Center is used by all the students.

e) Other activities

The college has a canteen, parking shed, rest room, adequate comfort rooms, museum, stores and photo copying facilities.

4.1.3. Has the institution augmented the infrastructure to keep pace with its academic growth? Specify the facilities and the amount spent during the last five years.

Yes, The institution has improved the infrastructure facilities to keep pace with the academic growth. The details of amount spent for improving the infrastructure facilities for the last five years.

Year	Classroom	Library	Computer Lab	Other Labs
2006-07	₹ 37,37,250/-	₹ 5,55,351/-	₹ 19,54,867/-	-
2007-08	₹ 37,30,000/-	₹ 1,36,175/-	₹ 33,93,036/-	₹ 59,152/-
2008-09	-	₹ 5,00,895/-	₹ 3,41,736/-	₹ 12,99,541/-
2009-10	-	₹ 3,97,603/-	₹ 11,860/-	₹ 2,64,609/-
2010-11	-	₹ 6,95,924/-	-	₹ 20,190/-

4.1.4. Has the institution provided facilities like common room, wash/rest room for women students and staff?

Yes, separate common room for women day scholar. Adequate wash room is provided to staff and students.

4.1.5. What are the steps taken for optimal utilization of infrastructure facilities?

For optimal utilization of the present infrastructure facilities, concurrent MBA programme offered by the Center for Distance Education, Bharathidasan University, Tiruchirapalli is conducted during Saturday and Sunday, for P.G. students.

U.G.C sponsored Career Oriented Programmes are organized as an add on programmes and conducted after the regular class hours.

4.1.6. What are the facilities available for differently abled students?

Ramp facility has been provided for physically challenged students.

4.2. MAINTENANCE OF INFRASTRUCTURE

4.2.1 What is the budget allocation for the maintenance of -

a. Land	-	₹ 7,50,000/-
b. Building	-	₹ 15,32,818/-
c. Furniture	-	₹ 24,000/-
d. Equipment	-	₹ 3,08,920/-
e. Computers	-	₹ 1,07,843/-
f. Transport	-	₹ 13,43,000/-

4.2.2 How is the budget optimally allocated and utilized?

The Budget is allocated on the basis of demand from different departments besides some regular maintenance required. There is a separate provision in the budget for any emergency.

4.2.3 Are there staff appointed for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained?

The College has sufficient supporting staff for maintenance of class room, toilets and garden. Ten workers are assigned with the duty of taking care of the college campus. Cleanliness of the college campus and its maintenance are taken care of by the members of the Campus maintenance Department. Estate maintenance officer and a supervisor working under him arrives in the campus early everyday and oversees the cleaning operation. Three gardeners are in charge of the College garden. All the rooms and floors are cleaned everyday. The toilets are cleaned twice a day. Sufficient laboratory assistants and library assistants are appointed by the college. A team of supervisory staff is appointed by the college for keeping the campus clean. The college has parking areas for the students and the staff. All the buildings of the college, including the hostels, are whitewashed once in two years. A separate site engineer has been appointed to look after regular civil maintenance work and new constructions.

The instruments in the laboratories, typewriters in the office, computer server and desk top computers are periodically serviced. To put in a nutshell maintenance is the very breath of the existence of the college. Separate maintenance staff are appointed for computer lab, hardware lab and for maintaining power generator. In some cases Annual Maintenance Contract (AMC) is made available.

4.2.4 How is the infrastructure optimally used?

Diploma courses, add-on courses and concurrent MBA programme offered by Bharathidasan University, Tiruchirapalli are being conducted apart from regular classes. Labs and Library are also being used to serve this purpose. Transport facility is utilized for going to field study and educational tour.

4.2.5 What is the mechanism for maintenance of computer, other network facilities, Library and information facilities?

An exclusive Instrument Maintenance Center is available in the campus to service the computers, monitors and printers. Separate Service technicians have been appointed for this purpose. In the case of advanced service requirements Service personnel from outside are also called for.

4.3. LIBRARY AS A LEARNING RESOURCE

4.3.1 How does the library ensure access, use and security of resource?

The college central library follows the Dewey Decimal Classification (DDC) system. DDC method helps in the arrangement of the books in systematic and scientific way. This classification system is very helpful to retrieve the document from the library stack rooms by the users.

There are three stack rooms and a reference room, in the first stack room general books, Computer Science, Economics, Commerce books are arranged in a classified manner.

Mathematics, Physics and Chemistry books are maintained in the second stack room.

In the third stack room Zoology, English, Technology, Tamil, History and Geography books are arranged. Every stack room has the separate reference desk, light and fan facilities.

For the student, the College Central Library issues library tickets for UG courses student - 2 library tickets for PG student - 3 library tickets for M.Phil. student - 3 library tickets issued. Borrowing period of book is 14 days for a student.

For each teaching staff, the library issues 15 library tickets and borrowing period is one semester.

For the purpose of security the entire library building windows are covered with wire mesh. The entry and exit points are monitored by the library staff.

4.3.2 What are the facilities available in the library? (Computers, Internet, Reprographic facilities etc.)

The library is equipped with computers, internet, printer and reprographic facilities. The library cataloguing system is automated. A digital library is being set up with the assistance of University Grants Commission.

4.3.3 How does the library collection cater to the needs of the users?

Text books aspects

Users access the different titles of text and reference books based on their syllabi.

Research aspects

The scholars and staff are allowed to access Journals, monographs and reference books to pursue their research.

There is a separate reference section which caters to the following services.

- Reference books to enrich the knowledge of student and staff.
- Old university and autonomous pattern question papers were collected for the past ten years and were put in question bank form.
- Dissertations of previous year UG, PG and M.Phil. programmes are displayed in a classified manner.
- Journals and magazines are arranged subject wise.

4.3.4 What is the stock of books in the library?

Description	Titles	Volumes
Books	3115	37295
Text Books	2299	31,120
Reference Books	1861	5800

4.3.5 Furnish the information regarding the number of journals subscribed to the institution?

1. Yojana
2. Kurukshetra
3. Thittam (Tamil)
4. University News
5. India today
6. India today (Tamil)
7. Wisdom
8. Bhakthi Nivedana
9. Frontline
10. Sports star
11. Sri Ramakrishna Vijayam
12. The Vedanta Kesari
13. Vigarai (Tamil)

14. Pradtiyogita Kiran
15. Civil Services chronicle
16. Competition Success Review
17. CSR - GK Today
18. Banking
19. Chartered Secretary
20. Economic and Political weekly
21. Facts for You
22. Indian journal of marketing
23. Kisan - World
24. Nanayam Vikatan
25. Bulletin of material science
26. Current science
27. Electronic for you
28. Indian Journal of Pure and applied physics
29. Lab Experiments
30. Pramana Journal of physics
31. Physics for you
32. Resonance Journal of science education
33. Biology Today
34. Journal of Biosciences
35. Journal of Genetics
36. Journal of Environmental Biology
37. Indian journal of experimental biology
38. Chemistry Today
39. Journal of chemical sciences
40. Mathematics Today
41. Proceedings of Mathematical science

42. Linux for you
43. Information Technology
44. Tamil Computer
45. Journal of chemical science
46. Monetary Economics
47. Environmental Economics
48. Agricultural Economics
49. Portfolio Organizer
50. E-Business
51. Bank Management
52. Financial Risk Management
53. Entrepreneurship Development
54. Indian Journal of chemistry, section-A
55. Indian Journal of chemistry, section-B
56. Indian journal of biotechnology
57. Indian science abstract
58. Naveena velaanmai
59. Terragreen
60. Nanayam vikatan
61. Manitha urimai kangani
62. Suttru choozhal puthiya kalvi
63. Pasumai vikatan
64. Sri Ramakrishna vijayam
65. Vaikarai
66. Dream
67. NAAC news
68. Chemmohi

69. Economist
70. CSIR News Letter
71. Benefit
72. புதிய தலைமுறை
73. புதிய தலைமுறை கல்வி
74. Edutech
75. Records of the Zoological Survey of India
76. செந்தமிழ்ச் செல்வி

4.3.6 How does the library ensure purchase and use of current titles, important journals and other reading materials?

The librarian collects the recent catalogues from leading publishers and the same is sent to the departments concerned for their requirements. Then, according to their requirements relevant books, journals are purchased within the available funds. The department also prescribes the required books based on the latest curriculum. The Library Advisory Committee also suggests books on general interest.

4.3.7 If the library has an archives section, to what extent is it used by the readers and researchers?

Library does not possess an archives section.

4.3.8 How are on-line and Internet services in the library used by students and faculty? Specify the hours and frequency of use?

There is a separate internet service available in the computer lab only for students and staff. At present there is no such a facility in the library. It is planned to provide a digital library and other internet facilities pertaining to library access in future.

4.3.9 Are the library services computerized? Does the institution make use of INFLIBNET/DELNET/other facilities? Give details.

The library has developed library management system with help of the alumni. The software package covers the following modules.

- Acquisition system
- On-line Public Access Catalogue (OPAC)
- Circulation system

Now, it is being used by library staff. It is proposed to develop comprehensive open source library automation software. The software development is in the designing stage at present.

4.3.10 How many days is the library kept open in an academic year? How long is the library kept open per day -

300 days

during normal working days 8.30 a.m. to 5.30 p.m.

during examinations 8.30 a.m. to 5.30 p.m.

4.3.11 Does the library have an Advisory Committee? What are its functions?

Yes, library has an Advisory Committee.

Composition of library advisory committee

- i. Principal - Chairman
- ii. Librarian - Member secretary
- iii. Three senior members of the staff representing Arts, Science and Commerce departments are nominated by the Principal.

The committee looks after the overall functioning of the general library. After the financial allocations made every year, the committee meets and finalizes the various books and journals to be purchased by departments for the current financial year. This committee recommends the department wise allocation of funds for the purchase of the text books, reference books, news papers, journals and magazines.

4.3.12 Amount of money spent on new books, journals during the last five years?

STATEMENT OF EXPENDITURE FOR BOOKS AND JOURNALS

Year	₹
2006-07	5,55,351/-
2007-08	1,36,175/-
2008-09	5,00,895/-
2009-10	3,97,603/-
2010-11	6,95,924/-

4.3.13 How does the library motivate students/ teachers to read existing and new arrivals?

Exclusive rooms for staff and students are available to refer books and journals. In this reference section reference books, text books, journals, magazines, previous year dissertation, journals back volumes, previous year question papers, conference proceeding are arranged subject-wise in order to access the material quickly. New arrivals are also displayed in the reference section for more than two weeks to popularize them among the staff and the students.

4.3.14 What are the special facilities offered by the library to the visually challenged and physically challenged person? How are they used?

A separate seat is allotted for physically challenged students in the reference section; library assistant helps them to issue books and journals. Separate ramp for physically challenged students in the library entrance has been proposed.

4.3.15 List the infrastructural development of the library over the last five years?

INFRASTRUCTURAL DEVELOPMENT OF THE LIBRARY

Year	Amount Spent (₹)
2006-07	32,333/-
2007-08	4,920/-
2008-09	1,36,253/-
2009-10	22,064/-
2010-11	54,486/-

4.3.16 Describe various information services provided by the library? (clipping, reference, etc.,)

Information on higher education, advertisement on placement etc., are regularly displayed on the exclusive notice board to create awareness among the students.

4.3.17 Describe steps taken for making the library user friendly.

Library is kept open before and after college working hours for the convenience of staff and students.

Open access system is followed in the reference section.

In the reference section books and magazines for competitive examinations like UPSC, SSC, TNPSC, etc. and entrance examinations for various higher education programme like CAT, MAT, TANCET, NIMCET, GATE, CSIR-UGC etc., Previous year academic question papers, current and back volumes of journals, conference and seminar proceedings are kept in this section.

The Library also displays new text books arrival, reference materials in the individual table for the benefit of library users.

4.4. ICT AS A LEARNING RESOURCE

4.4.1 How is the computer facility extended to all faculty & students?

The college has four computer labs for the students undergoing computer programmes at the under Graduate and Post-graduate level. These labs are also being used by non-computer science students to pursue their diploma and certificate courses in computer science. Apart from this, separate computer labs are also available in the department concerned itself namely Physics, Mathematics, Bio-technology, Commerce and Chemistry. These labs are being accessed by their respective students and faculty for their academic and research purposes. The college also has a separate computer lab established at CVR Women's Hostel for making use of computers even in the night hours.

4.4.2 How is the faculty facilitated to prepare computer aided teaching / Learning materials? What are the facilities available in the college for such efforts?

The college has Nine LCD and three OHP projectors available for the faculty to prepare / facilitate computer aided teaching / learning materials. The Documentation centre of the college is very helpful for the faculty members to prepare hand-out and text books for the students.

4.4.3 How many computers are there in the college?

S. No.	Lab	Number of Computers
1.	Computer Lab I	60
2.	Computer Lab II	60
3.	Computer Lab III	60
4.	Computer Lab IV	60
5.	Computer Lab V(internet lab)	10

6.	Documentation Center	03
7.	Physics Lab	15
8.	Chemistry	01
9.	Internet Lab	10
10.	Hostel Lab	25
11.	Principal Room	01
12.	College Office	12
13.	Zoology Research Lab	04
14.	Library	2
15.	Commerce	4
16.	Language Departments	2

4.4.4. Is there a central computing facility? How favorable are its timings, access and cost to both students and faculty?

Yes. The Computer Center available is used by all the students and faculty even after class hours. All the departments have their own computers with internet facility for the benefit of students and faculty members.

4.4.4 How many departments have computers of their own? Specify the numbers.

S. No.	Departments	No. of Computers
1.	Physics Lab	15
2.	Bio-technology	04
3.	Chemistry Lab	01
4.	Mathematics Lab	01
5.	Computer Science	260

4.4.5 How are the computers and its accessories maintained in the department?

The college has appointed exclusive maintenance technicians to look after maintenance and servicing of the computers and its accessories. Further, in certain systems, the college has entered into Annual Maintenance Contract (AMC) agreement.

4.4.6 *What is the output of the various departments in developing computer aided packages for their discipline?*

The faculty members are actively involved in designing computer aided learning materials using power point / flash technologies. Especially the department of Computer Science, Zoology and Physics are involved in ICT oriented class room teaching

4.4.7 *Describe the nature of internet services available to students and faculty.*

The college has 20 terminals of broad-band internet facility available for students, 22 terminals for teachers and three terminals for office. These terminals are operative from 9 a.m. to 6 p.m.

4.4.8 *How are the institutional website and web-based facilities used and updated for the benefit of teachers, students and other stakeholders?*

The college web site provides basic information of the college, details of course offered, the profile of departments, specialization of faculty and other details relevant to the college are posted on the web-site. The site is updated to the relevant information in every quarter of the year. Further results of Under graduate and Post graduate semester examinations are published in the college website for the benefit of the students and parents.

4.5 OTHER FACILITIES

4.5.1 *Are there hostel facilities available on the campus?*

Yes, there are two separate hostels for men: Highlands and Mahatma Gandhi Centenary Hostel and Sir CV Raman hostel for women are available on the campus.

4.5.2 *Are there hostels for women students?*

Yes, there is a separate hostel for women.

4.5.3 How many students stay in the hostel? How many rooms are there in the hostel? Is the accommodation sufficient to meet the demand?

Name of the Hostel	No. of Rooms	No. of Students
Highlands Hostel	42	197
M.G.C. Hostel	60	313
Sri CV Raman Women's Hostel	287	1390

Yes the accommodation is sufficient to meet the demands of the students.

4.5.4 What facilities are provided in the hostel?

Facilities Available in the hostels

- Nominal mess fee based on the dividing system.
- Rural and pollution free environment.
- Purified water for drinking and cooking is being supplied for all the hostels.
- Separate reading room with library.
- Open air auditorium in the Sir CV Raman Women's Hostel.
- Communication facilities like STD, ISD are available in the all hostels.
- Computer centre with internet facilities function in the Sir C V Raman Women's Hostel.
- Sports and Games are provided inside the hostel campus.
- General store in the Sir CV Raman Women's Hostel.
- Vinayaga Temple is inside the women's Hostel premises.
- Provision for washing, ironing and shoe repairing are available.

4.5.5 Does the institution have a health centre?

At present, there is no exclusive health centre. However the college administration has provided a car parked in the hostel round the clock to carry the diseased persons to the nearby Primary Health Centre at Omandur or Thuraiyur.

4.5.6 What health care facilities are provided by the health center?

Since the college has no exclusive health care centre, in cases of emergency, the doctors from nearby Omandur health care centre or Thuraiyur hospitals are called upon to look after the students. Each hostel has the first-aid kit provided by YRC unit.

4.5.7 Does the institution have canteen facilities?

Yes, there is we have a canteen facility run by the catering department.

4.5.8 Does the institution have a student centre?

Yes, there is a student centre where educational counseling is being imparted.

4.5.9 Does the institution have a Placement Centre?

Yes, there is a placement centre. A placement officer has been appointed to take care of the placement activities.

4.5.10 What are the physical and infrastructure facilities available for the sports and physical education centre?

The main aim of the college is to keep the students fit and fine. The following facilities are available in the campus:

OUTDOOR GAMES FACILITIES

- a. 400 mts Track
- b. Ball badminton court
- c. Hand ball court
- d. Kabaddi court
- e. Volley ball court
- f. Kho kho court
- g. Shuttle badminton

- h. Cricket field
- i. Foot ball field

INDOOR GAMES FACILITIES

- a. Carrom
- b. Chess
- c. Table Tennis
- d. Rubber coated weight set with rod (for weight lifting and Power lifting).

Indoor Facilities

The institution has established indoor game facility for:

- Two badminton courts
- Three table tennis boards
- Multistation gym-four station bench press, bich, frich, rower, latpul, leg curl, leg extension, peek deck and leg press
- Power lifting
- Weight lifting and
- Body building

4.5.11 Does the institution have a workshop / instrumentation centre? What are the physical facilities available in the centre?

Yes, the institution has a workshop with following facilities:

- i. Lathe - for drilling, knurling etc.,
- ii. Arc welding instrument
- iii. Turning machine
- iv. PCB Design Fabrication Instrument
- v. Grinding with 120 rpm speed

4.5.12 Has the institution drawn a master plan for campus development?

Yes

4.5.13 What other infrastructure facilities like conference rooms, common rooms, staff rooms, auditorium, parking sheds etc., are available in the college?

Mookkapillai Multi-Purpose Hall is constructed with public address system, lighting facility to conduct college functions, semester/term end examinations, graduation day, cultural activities etc., which can accommodate 2500 students.

Air-conditioned Seminar Hall is constructed with modern public address and projection system to conduct academic seminars, conferences, cultural activities etc., which can accommodate 250 students.

There are two more seminar halls are available in the Biotechnology Block and Main Block

There are 21 staff rooms in the aided and self-financed section.

There is an open air theatre in the Sir C.V. Raman women's hostel to conduct the academic programmes and recreation.

Parking shed is on the western side of the college entrance.

4.5.14 What are the communication facilities (Telephone, STD, ISD) available on campus?

Telecommunication facilities (STD, ISD) is provided for all the hostel students.

4.5.15 Describe the facilities like transport, electricity and water supply.**TRANSPORT**

Seven Buses are provided for the benefit of faculty and students.

ELECTRICITY

Uninterrupted High Tension power supply with 250 KVA is provided to the laboratories, class rooms, hostels. In addition to that power generators with a capacity of 63 KVA, 180 KVA and 200 KVA have been installed.

WATER SUPPLY

Drinking water facility Reverse Osmosis (RO) plant has been installed and purified drinking water is being supplied for the entire three hostels student and also for the college students.

4.5.16 Describe the nature of landscape developed including approach roads, garden etc. to contribute to ambience.

A picturesque landscape has been developed by the management by establishing gardens, well connected tar roads, adequate security gates along with closed circuit surveillance camera and encompassed with compound walls

The entire serene atmosphere in the backdrop of Pachaimalai makes the institution an ideal place for higher education.

4.6. BEST PRACTICES IN THE DEVELOPMENT OF INFRASTRUCTURE AND LEARNING RESOURCES

4.6.1. Describe the best practices for the development of infrastructure and learning resource adopted by the college with reference to physical facilities and its maintenance / library as a learning resource / ICT as a learning resource and other facilities to create learning and ambience?

- The management has a liberal policy to provide adequate funds from their own resources. (Invested Rs.1.5 crores for constructing multipurpose hall in the year 2010-11, The college has provided matching funds along with UGC assistance to construct additional rooms in the women's hostel)
- The management invests adequate funds for the purpose of purchasing Lab equipment, transport and power.
- A separate department of estate maintenance has been established by appointing estate maintenance officer and site engineer to look after the campus maintenance.

- A separate instrumentation maintenance facility is established to maintain equipments.
- All the departments are provided with desk top computers, lap top, LCD projectors with internet facilities.
- Motivating the faculty members to create e-content.
- Designing of learning materials and power point presentations using ICT
- Establishing a separate computer centre with internet facility in women's hostel.
- Provision for purified water to all students.
- Career/employment information services in the library
- Displaying new arrivals in the library
- Organizing book exhibition on different occasions.
- Compiling a list of catalogue of dissertation on subject wise.

CRITERION – V: STUDENT SUPPORT AND PROGRESSION

5.1 STUDENT PROGRESSION

5.1.1. How does institution monitor student progression?

The institution strongly believes that the students' progress could be effectively monitored by the dedicated teachers. Each class has a staff in-charge for monitoring the performance of the students. The performance is evaluated by CIA, attendance and semester examinations. The slow learners are identified and appropriate remedial measures are taken up. Proper academic and personal counseling are provided to the students who have diverted their minds. The students' progress is discussed in the staff meeting, meeting of the Head of the Departments and academic audit committee. Subsequently appropriate methodology is devised to improve the performance of the students.

5.1.2. What is the student strength of the institution for the current academic year? Give the data gender -wise and Nationality -wise.

Student Strength 2010-2011

S. No.	Students from	Aided (Men)	Aided (Women)	Self Finance (Men)	Self Finance (Women)	Total
1.	Tamil Nadu	163	652	525	1074	3214
2.	Other States	-	-	01	03	04
3.	Other Nations	01	01	02	01	05
	Total	164	653	528	1878	3223

5.1.3. Details of the last two batches of students and their profile (General, SC, ST, OBC etc.)

Prefixing the Socio-Economic profiles also.

Year	Community	Aided (Men)	Aided (Women)	Self Finance (Men)	Self Finance (Women)
2008-09	OC	06	60	08	11
	BC	19	51	95	201
	MBC	13	31	70	98
	SC	16	31	42	84
	ST	01	01	02	09
2009-10	OC	04	81	04	08
	BC	20	62	60	185
	MBC	17	43	59	95
	SC	19	38	79	125
	ST	-	02	07	10

5.1.4. What percent of the students on average on an average progress to further studies? (UG to PG and PG to Research) Give details for the last five years.

Courses	2006-07	2007-08	2008-09	2009-10	2010-11
UG to PG	80%	80%	80%	80%	80%
PG to Research	30%	30%	30%	30%	30%

5.1.5. What is the drop out rate for the different years after admission?

Students' Dropout Rate (Men)

Year	UG			PG		
	No Admitted	No. of Dropout	%	No Admitted	No. of Dropout	%
2006-07	235	15	6.38	81	02	2.4
2007-08	223	18	8	138	04	2.8
2008-09	223	12	5.38	47	-	-
2009-10	202	09	4.4	55	02	3.6
2010-11	179	08	4.46	47	-	-

Students' Dropout Rate (Women)

Year	UG			PG		
	No Admitted	No. of Dropout	%	No Admitted	No. of Dropout	%
2006-07	523	29	5.5	396	02	0.49
2007-08	559	25	4.47	274	05	1.8
2008-09	465	26	5.59	111	-	-
2009-10	539	30	5.5	90	03	3.3
2010-11	591	30	5	108	01	0.92

5.1.6. What proportion of the graduating students has been employed for the last five years? Provide placement record for the last five years.

Placement Records

Year	Placement
2006-07	131
2007-08	103
2008-09	94
2009-10	198
2010-11	29

5.1.7. How many students appeared / qualified in UGC-CSIR-NET, SLET, IAS, GATE), CAT / GRE / TOFEL, GMAT / Central / State services Competitive Examinations.

The College has established a Career Guidance and Counseling centre. It conducts various awareness programmes for students about Civil Services, UGC NET / SLET and Banking Services examinations. Students are constantly motivated and also trained to get through competitive examinations. Consequently, the students got selected in various government / private sector services. Though the precise data about the selected candidates is not available, the institution has devised a mechanism for collecting such information.

5.1.8. Give comparative picture of institutional academic performance in relation to university average.

Year	UG		PG		M.Phil.	
	Institutional Academic Performance	University Average	Institutional Academic Performance	University Average	Institutional Academic Performance	University Average
	%	%	%	%	%	%
2004-05	87.30	NA	91.07	NA	-	NA
2005-06	80.94	NA	94.89	NA	96.43	NA
2006-07	80.39	NA	88.56	NA	91.66	NA
2007-08	74.52	NA	88.67	NA	91.43	NA
2008-09	84.44	NA	94.12	NA	64.10	NA

The comparative statement will be produced at the time of peer team visit.

5.1.9. Describe efforts made by the institutions to facilitate progression to employment.

The college is situated in a rural environment and the students hail from rural and downtrodden villages. The institution takes earnest efforts to

facilitate students' progression to culminate in placement. To achieve these objectives the following activities are carried out by our institution:

- Conducting career awareness programmes
- Organizing training programme for appearing in competitive examinations
- Training on soft skills development
- Organizing UGC sponsored career oriented programmes
- Imparting job oriented and skill based courses in the curriculum
- Conducting on and off campus placement programmes
- Utilizing the alumni in career awareness program
- Establishing industry institution linkage programme.

5.2. STUDENT SUPPORT SYSTEM

5.2.1. *Does the institution publish its updated prospectus and handbooks annually? How the information is disseminated to students?*

Every year the College publishes the updated prospectus, academic calendar and College Magazine and distributes the same to the students. Rules, regulations and student support services available are furnished in the calendar.

5.2.2. *Does the institution have a website? Give details on information available for students.*

Yes. The College has its own website. The URL is <http://www.nmc.ac.in>. The web content provides information about history of the college, courses offered, curriculum design, department profile, Alumni details etc. It provides holistic information to the visitors including the students. The college publishes the examination results on the web.

5.2.3. Does the institution provide financial aid to students? Specify the type and number of scholarships / freships given to the students last year? What types of insurance covers are available to students?

Yes. The College provides necessary assistance to the students from SC, ST, BC, MBC categories to get scholarship from the Government. The management provides financial assistance to the poor students and also facilitates them to get educational loan from nationalized banks. Besides some industries / organizations offer study scholarship to the poor and motivated students. The students are covered by the group insurance scheme.

5.2.4. What type of support services is available to overseas students?

A few students from overseas are study in the College. The college provides necessary assistance to overseas students to complete the formalities such as getting eligibility certificates from the University and police registration, etc.

5.2.5. What support services are available to SC/ST students and differently abled students?

The institution admits a good number of students hailing from the SC/ST community. The application forms are issued to them free of cost. The institution provides adequate guidance in getting scholarship from the State and Central governments and also provides necessary assistance for availing loan facilities from nationalized banks. Appropriate remedial programmes are organized for the students. Awareness about employment opportunities for SC/ST students in public and private sector organization is created.

The College helps differently abled students to get concessions and assistance from State and Central government.

5.2.6. Does the institution offer placement and counseling services to students? Is there special counseling for women students?

Yes. The College has established a Placement and Counseling centre with an exclusive staff in-charge. The following are the activities of the Placement Cell.

- The placement cell collects information about employment opportunities in public and private sector organizations and disseminates the same to the students by way of display on the notice board.
- Various on and off campus placement programmes are organized.
- The data of the students are collected in a centralized way for preparing a placement brochure and the same is utilized for placement activities.
- Career counseling is conducted by a faculty in-charge of each department.
- Special counseling to the women students is given through the Gender club.

5.2.7. Does the faculty participate in academic and personal counseling? How many have participated last year?

Yes. The staff in-charge of each class has imparted personal counseling to students last year.

5.2.8. Has the employment cell encouraged students to be self-employed during the last five years? What are its activities?

The Placement Cell organizes various training programmes on career opportunities and entrepreneurship. The Centre for Eco-friendly Agro Technology (CEAT) of the college has organized training programme on vermicompost production and Herbal plant nursery. Besides these programmes, the students are encouraged to participate in the programmes organized by Institute of Entrepreneurship and Career Development (IECD), Bharathidasan University.

5.2.9. Does the institution have an alumni association? What are its activities?

Yes. The College has an alumni association. The Association activities are aimed at

- Bringing the alumni to the institution for sharing their professional experiences.
- Counseling and Assisting the students for placement.
- Getting the feedback on teaching – learning process, curriculum design and improving the infrastructural facilities on the campus.
- Organizing interactive sessions with the students by visiting alumni like Businessmen, professionals, researchers to share their expertise.

5.2.10. List the names of top most renowned Alumni of the college along with their designation?

S. No.	Name	Year of Study	Course	Designation	Address
1	A.K.Duraisamy	1971-74	B.Sc. (Maths)	Asst. Director	Collegiate Education Trichy Region, Trichy-2 99656 73960
2.	Dr. Kalaiselvan	1977-78	PUC	District Sports Officer	Anna Stadium, Trichy-23. Cell:9443402003
3.	L.Jayachandran	1978-81	B.Sc. (Maths)	Scientist	ISRO Bangalore
4.	H.Vaithyanathan	1995-98	B.Sc. (Maths)	Project Manager	Software Professional, USA
5.	P.Haribalan	2001-04	B.Sc. (Zoology)	Ph.D., Student,	55,Gwanak, Seoul-151-742,CALS, Korea, SEOUL NATIONAL UNIVERSITY.

6.	R.Gopinath	2003-06	B.Sc. (Zoology)	Asst. Educational Officer	Asst. Educational Officer Orthanadu
7.	S.Kalaiselvan	1980-83	B.Sc. (Physics)	Associate Professor	Department of Physics Govt. Arts College, Namakkal.
8.	Dr. Datuk Hj Mohamed Haniffa	1968-69	Pre University	Pro-Vice Chancellor & Executive Chairman	Masha University, Kualampur, Malaysia
9.	C.Vijayan	1983-86	B.A. (Economics)	Associate Professor	Department of Economics, Govt. Arts College, Villupuram
10.	S.Ramesh	2001-03	B.A. (Economics)	Asst. Statistical Inspector	Regional Divisional Statistical Office, YMIA Street, Lalgudi.

Besides the alumni serve in various multi national IT companies both in India and Abroad. A comprehensive list of alumni will be produced at the time of visit of the peer team.

5.2.11. Are the alumni contributing to the development of the institution? Specify how?

Yes. The College has a long list of renowned alumni working in various government and private sector organizations. In fact, the alumni play a vital role in the development of the alma matter. They guide the students to get projects and placements. The alumni frequently visit the college and deliver special lectures. Every department arranges regular visit of the alumni in order to motivate the students.

5.2.12. Does the institution have a grievance redressal cell? What are its functions?

Yes. The institution has a grievance redressal cell. The functions of the grievance cell are as follows

- ❖ To look into the complaints regarding admissions and evaluation of students
- ❖ To look into the matters of use of unfair means during examinations

The College has a students' association in which students representatives are the members. Frequent meetings of the students representatives are held. The Principal and Seniormost teachers are participate in the meetings. Any grievances received from the students are addressed properly and appropriate remedy is provided to the students. Besides students can meet the Principal and their respective Heads of Department and can address their grievance.

5.2.13. List the Number of grievances redressed during the last two years.

Name of the Grievances redressed

1. Safe Drinking Water - 2009
2. Cycle Stand
3. Internet Facility - 2010

5.2.14. Is there a provision for welfare schemes for students? If yes, give details?

Yes. The following welfare schemes are available to the students:

- ❖ Offering Part-time job to support their education.
- ❖ Students are encouraged to 'Earn while you learn'.

5.2.15. Is there a cell to prevent Sexual Harassment? How effective is the cell?

Yes. A Disciplinary Committee is there to enquire any sexual harassment complaints made by the staff and students. It is constituted as per

the guidelines made by Supreme Court and Tamilnadu Prevention of Sexual Harassment against women Act. If any complaints are received the same may be sent to disciplinary committee for enquiry and after getting the report further appropriate action is taken in this regard.

5.2.16. What are the efforts to provide legal literacy to women?

The service organization such as NSS, Gender Club organize special meetings for women students to educate them on women's rights, problems, issues, challenges and legal remedies leading to women empowerment.

5.2.17. What are the support services made available for differently abled students?

The College provides proper reservation system in admission and accommodation for the differently abled students.

5.2.18. What are the health services available to students such as resident doctor, group health insurance scheme etc.

Periodical health camp is organized for the students in general. First Aided Boxes are available to treat the students in case of emergency. A doctor attends to the health problems of the hostel inmates regularly. The College provides vehicle support to go to the nearby hospitals in case of emergency. All the students are covered under health insurance schemes.

5.2.20. Describe the safety measures provided by the institutions like security and adequate lighting etc.

Adequate security arrangements are made in the campus by appointing security persons in the entrance of the college and for the hostels concerned. A register for maintaining incoming and outgoing visitors is

maintained at the entrance. Adequate lighting arrangements are provided in the campus and hostels. Fire extinguishers are provided in the laboratories and common places. The buildings and laboratories are covered under insurance scheme.

5.3. STUDENTS ACTIVITIES

5.3.1. What are the various student cultural activities organized?

The college provides opportunities for the students to develop their talents in Quiz, Music, Dance and other cultural activities. Oratorical, essay writing, painting, music and dance contests and other competitions are organized. Every year an intra college cultural festival is organized.

5.3.2. Furnish information regarding the participation of students in extra curricular activities and co-curricular activities?

Every student has to compulsorily participate in extra-curricular activities like NCC, NSS, Sports, YRC, Red Ribbon Club. The co-curricular activities include environmental education and value education. Each student has to undergo the two courses and earn four credits for environmental education and two credits for value education.

5.3.3. What are the incentives given to students who are proficient in sports?

- Preference in admission is given to the outstanding sportspersons in courses of their choice.
- Sports kits are provided to them free of cost.
- Cash awards are given to them for their participation at the district and state level.
- College fee concessions are provided.

5.3.4. Give details of the participation of students in sports and the outcome, at the state, regional, national and international levels, during the last five years.

Sports activities of the college for the year 2006-2007

Inter collegiate competitions for the year 2006-2007 (University Level)

Game	Position
Ball Badminton Women	Won the Championship for the fourth time
Power lifting Women	Runners
Kho-Kho Women	Third Place
Shuttle Badminton Women	Fourth Place
Table Tennis Women	Participated
Volleyball Women	Quarter finals
Handball Women	Participated
Cricket Men	Participated
Volleyball Men	Participated

University Players for the year 2006-2007

Name	Class	Game
K.Gomathi	III M.C.A.	Ball Badminton
M.Baby	M.Phil., Physics	Ball Badminton
S.Jayalaksmi	PG.D.C.A.	Ball Badminton
K. Masilamani	II B.Sc. C.S	Kho-Kho
S. Nithya	III B.Sc. C.S	Volleyball
G.Shakila	I B.Com.	Handball
A.Srinivasan	III M.C.A.	Handball

Inter collegiate competitions for the year 2007-2008

<i>Game</i>	<i>Position</i>
Ball Badminton Women	Won the Championship for the fifth time
Power lifting Women	Won the Championship for the second time and received Chellammal Mookappillai Memorial rolling trophy for Women power lifters
Kho-Kho Women	Runner-up
Shuttle Badminton Women	Participated
Table Tennis Women	Participated
Volleyball Women	Quarter finals
Tennis Women	Participated
Athletics Women	Participated
Volleyball Men	Participated
Kho-Kho Men	Participated
Athletics Men	Participated

The college conducted Bharthidasan University Inter college Ball badminton tournament for Women in its Campus during October 2007.

University Players for the year 2007-2008

<i>Name</i>	<i>Class</i>	<i>Game</i>
G. Shakila	II M.Com.	Power lifting
S. Durgadevi	II B.Sc. Physics	Power lifting
R. Valarmathi	I Physics	Kho-Kho
S. Jayalakshmi	II M.S.I.T.	Ball Badminton
D. Sudha	III B.Sc.	Ball Badminton
Kanimozhi	II B.Sc.	Table Tennis
S. Janaki	III B.Com.	Volleyball

Inter collegiate competitions for the year 2008-2009

<i>Game</i>	<i>Position</i>
Table Tennis	Secured fourth place
Power Lifting	Won the Championship for the third time
Ballbadminton	Champions

University Players for the year 2008-2009

<i>Name</i>	<i>Class</i>	<i>Game</i>
S. Jayalakshmi	II M.S.I.T.	Ball Badminton
D. Subhashini	III B.Sc. C.S	Ball Badminton
K. Kayalvizhi	III B.Sc. C.S	Ball Badminton
M.N. Dhivya	II B.Com.	Ball Badminton
Kanimozhi	II B.Sc.	Table Tennis

Inter collegiate competitions for the year 2009-2010

<i>Game</i>	<i>Position</i>
Power Lifting women	Champions
Ballbadminton women	Runner-up
Table tennis women	Runner-up

University Players for the year 2009-2010

<i>Name</i>	<i>Class</i>	<i>Game</i>
S. Logalakshmi	I B.Sc. C.S,	Power lifting
R. Sasikala	I B.Sc. C.S,	Power lifting
S. Dhivya	I B.Com.	Table tennis
M.N. Dhivya	III B.Com.	Ball Badminton

Inter collegiate competitions for the year 2010-2011

Game	Position
Table Tennis women	Runner-up
Power Lifting Women	Won the Championship for the third time
Ball badminton women	Runner-up
Tennis women	Third place

University Players for the year 2010-2011

Name	Class	Game
S. Logalakshmi	I B.Sc. C.S,	Power lifting
R. Sasikala	I B.Sc. C.S,	Power lifting
T. Solai sundari	III B.Sc. Chemistry	Kho-Kho
D. Subhashini	I M.Sc. C.S	Ball Badminton
K. Kayalvizhi	I M.Sc. C.S	Ball Badminton

5.3.5. Does the institution collect feedback from students? Describe the mechanisms and using for improvement.

Yes. The feedback from students is collected on two different occasions:

- (1) during the course of study i.e., at the end of each semester.
- (2) at the end of the programme.

The feedback is obtained in the context of teaching learning process, curriculum design and campus experiences. The feedback is received, processed and the outcome is analyzed for further improvements.

5.3.6. Describe the steps taken for encouraging student participation in institutional activities.

1. A student council is constituted at the beginning of the academic year
2. The office bearers of the council like chairman, secretary, literary association secretary, department association secretary and representatives of the class are democratically elected.

3. The elected office bearers meeting is organized periodically.
4. Seminars, literary association meeting, annual day and sports day celebrations are organized by the students.
5. The students are motivated to participate in various extra curricular and co curricular activities.
6. In addition, some departments have separate association like OPTRA, LYCEUM for organizing departmental activities.

5.4. BEST PRACTICES

5.4.1. Describe the best practices of the college, in terms of student support/ student progression related activities.

1. The College provides NET coaching to the final year students.
2. The College has Students' Union Council. The Chairman, Secretary, Class representatives are the members of the Students' Union Council for the welfare of the students.
3. Computer literacy programme is provided by the college to increase employability.
4. Awards and Prizes are given to the meritorious students.
5. Students are encouraged to participate in the seminar, workshops, conferences and cultural contest organized by other institutions.
6. Inviting alumni for sharing their experience with our students.
7. The College has organized Career guidance and counseling to the final year students.
8. Bridge Courses are conducted to improve communication skills of the students.

5.4.2. What specific measures has the institution taken to enhance the quality of education with reference to student support and progression?

- The curriculum is designed and developed for various programmes with focus on skill development of the students.
- Residential Accommodation is provided both for women and men students.
- Alumni are included in the Board of Studies in designing the curriculum for various programmes.
- Field and industrial visits are arranged to improve the practical knowledge of the students.
- Cash Awards and prizes are given to the students for their meritorious performances.
- Computer facility is provided to improve their soft skills.
- Students are given guidance and counseling for facing the competitive examinations and also to equip themselves to avail the placement opportunities.
- Bridge courses are conducted to improve their communication skill.
- Teachers provide counseling to the students for pursuing higher education, research work, self-employment and job opportunities.

CRITERION VI: GOVERNANCE AND LEADERSHIP

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1. *Does the institution have a mission statement and goals in tune with the objectivities of higher education?*

- Yes, the institution has a mission statement and goal in tune with the objectives of higher education.
- Vision: For knowledge, Justice and peace.

Mission:

With a view to realizing this vision, the college has taken up the mission

- (i) to impart the right kind of knowledge among the rural students with the aid of computers and other equipment,
- (ii) to ensure social justice for the rural people through various academic and non-academic activities viz., Cultural and Literary competitions, NSS, NCC, YRC, Gender Club etc.
- (iii) to stabilize inner peace in the minds of the young learners through meditation and Yoga practice in order to ensure peace among the rural people.

Mission Goals

Promoting higher level academic pursuits

Building the Confidence level of the rural students

Providing ample opportunities for Career Growth

Sensitizing the youth about social justice and responsibility

6.1.2. *What are the leadership functions of the Head of the Institution? How is the leadership system established in the college?*

- The Principal is the academic and administrative head of the institution.
- He serves as the Chairman of the Academic Council
- He is an ex-officio member of the college Governing Body, College Committee and other committees. He serves as the linkage among management, staff and students.
- He motivates the staff to bring out their best performance. He holds periodical meetings with the HODs, Controller of Examinations, Librarian, members of Board of Studies and Students' Union Council to identify the needs such as academic plan, admission, conduct of Examinations and publication of results. Thus he paves way for the healthy and fruitful relationship among the various members at various levels.
- He consults the management in order to fulfill the needs which arise from time to time.
- He identifies young teachers with potentials and assigns them with additional responsibilities such as academic and co-curricular activities with a view to grooming them for future leadership.
- The Staff members and H O Ds, the Coordinator of the self-financed courses, staff in charge for various extension activities like NCC, NSS etc., and Hostel wardens extend their co-operation to the Principal for the smooth functioning of the administration. Thus the leadership system is established in the college.

6.1.3. *What measures are taken by the institution to translate quality to the functioning of its various administrative and academic units?*

The institution has taken the following measures to imbibe quality in its functioning:

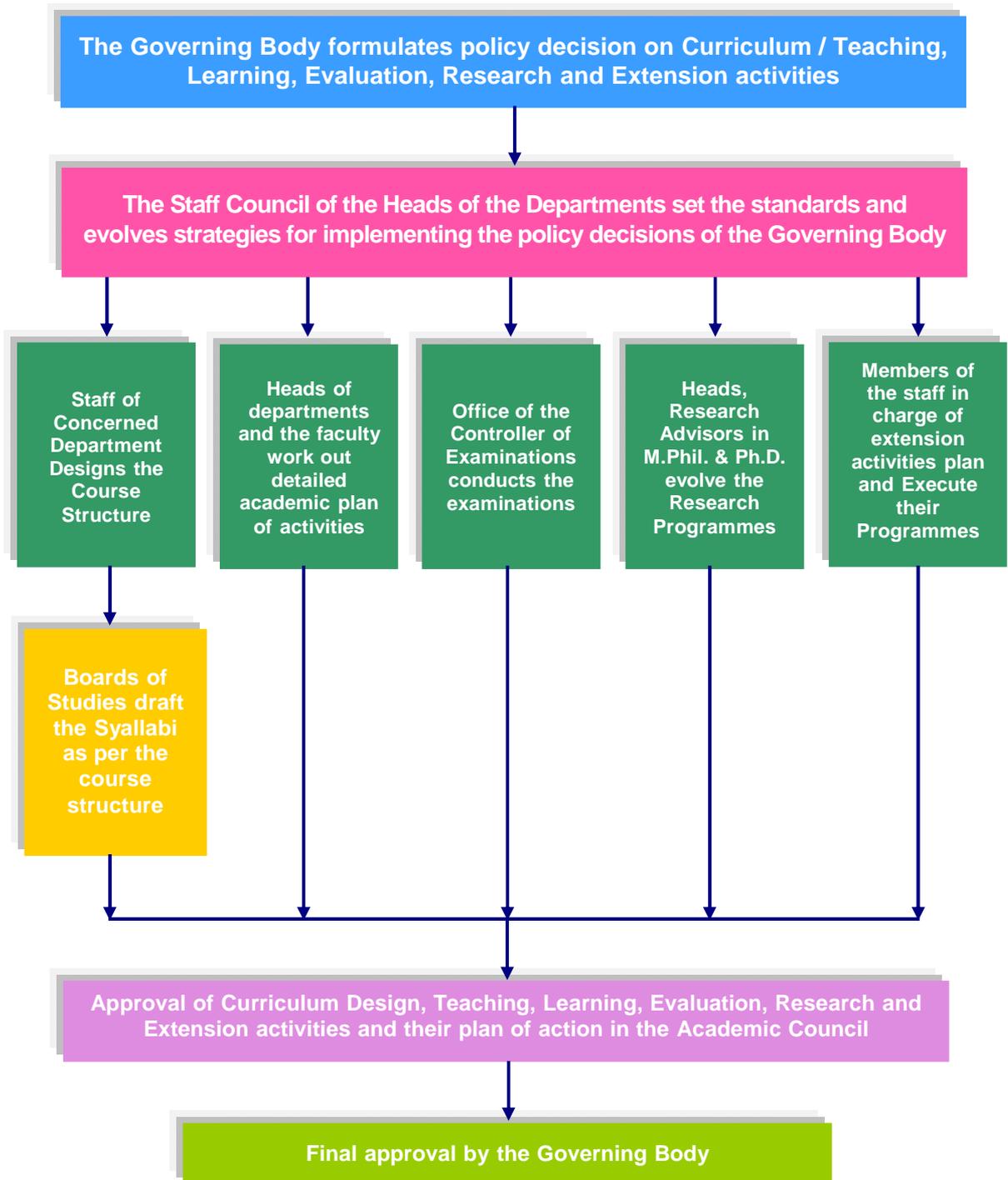
- i. Inclusion of Experts from Industries, Universities and other Colleges in Board of Studies and Academic Council so as to ensure quality curriculum.
- ii. Renowned Educationists, Representatives from University Grants Commission, Parent University and State government form part of the Governing Body to monitor and offer valid suggestions for the effective governance of the institution.
- iii. An orientation in ICT training is imparted to the staff.
- iv. Teachers are encouraged to participate in seminars, conferences, workshops, and refresher and orientation courses to update their knowledge and skills.
- v. Departments organize extra ordinary meetings with external experts, eminent people from industries to deliver lecture on topics of current interest for the benefit of the students
- vi. The faculty members have been provided with Laptops, Desktops, LCD projector and internet facility
- vii. The college library is equipped with a good reference and periodical section to meet the growing needs of the students, researchers and teaching faculty.
- viii. Departments with a strong component of experimental education have been equipped with state-of-the-art laboratories both in pure and applied sciences.
- ix. Faculty and students undertake visits to national laboratories, industries and research institutes to update their knowledge.

6.1.4. How are the faculties involved in decision-making?

Faculty members are actively involved in the decision making process of the institution. They are given adequate representation in the administrative and academic bodies like College Committee, Governing Body, Academic Council and other Committees.

The Principal consults the head of the departments and staff members in academic and administrative affairs.

6.1.5. Give a flowchart of academic and administrative decision making process.



6.1.6 Describe reforms in the management techniques employed and efforts to value employee's contribution.

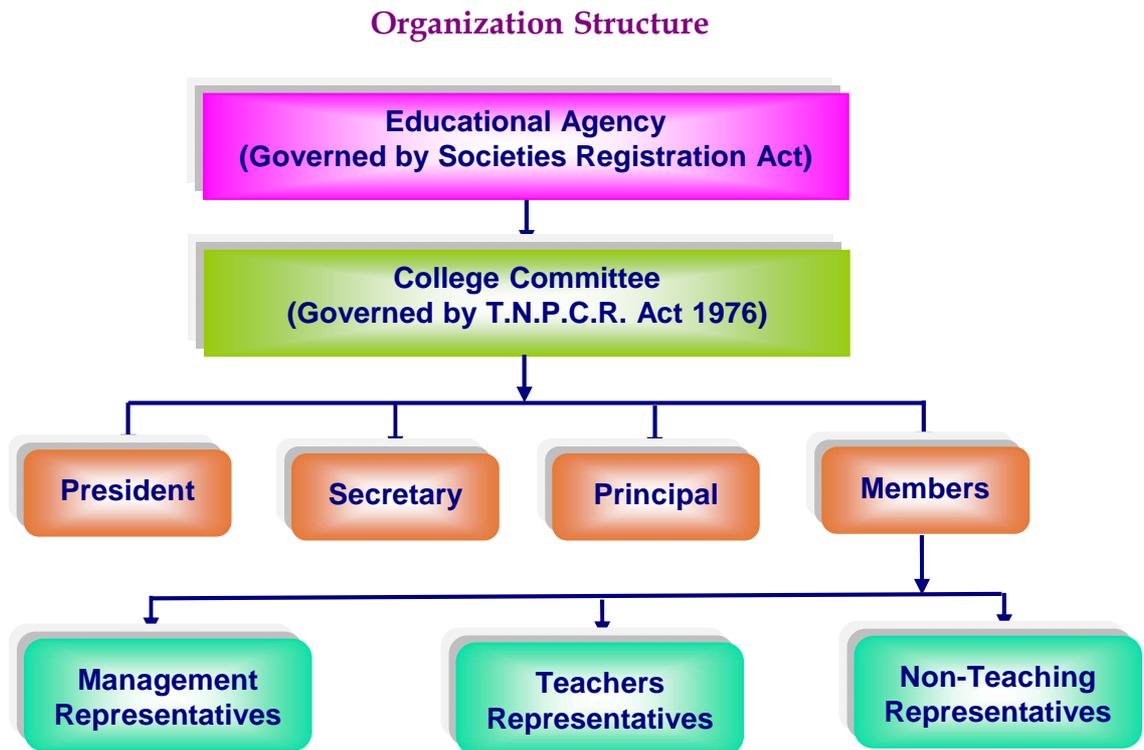
- The Management follows participatory style of administrative giving functional freedom to the Principal in the academic decision-making.
- The Principal, in turn, delegates the work to the Heads and other members of the staff involving them in the decision-making process.
- Staff members feel free to express their own views on various issues. The think-tank concept is followed and every issue is analyzed by the employees in different angles.
- The positive and practicable suggestions contributed by the Employer / Employee are considered and implemented wherever possible.
- Team spirit and group dynamics help the attainment of institutional goals. The interpersonal relations among the staff, students, Heads of the Departments, Principal and the Management are cordial.

Efforts to value employee contribution

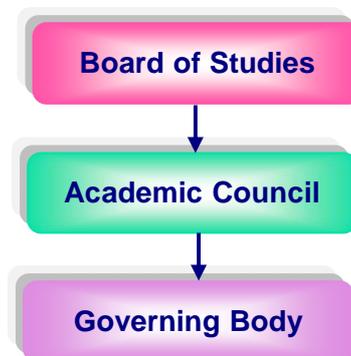
- Assignment of additional academic and administrative responsibilities recognizing the services rendered.
- Encouraging the teaching staff for publication in national and international journals.
- Preference in admission to the children of the teaching and non-teaching staff.
- Appreciation by the Principal and H.O.Ds for the staff whose performance is praise-worthy.

6.2. ORGANIZATIONAL ARRANGEMENTS

6.2.1 Give the organizational structure and details of the units of the statutory bodies?



Academic Organization Chart (UGC Autonomous Act)



Detail of the units of statutory bodies

1. Educational Agency	}	Constitution and regulations of the bodies are enclosed in the Annexure
2. College committee		
3. Governing body		
4. Academic council		
5. Board of studies		
6. Finance Committee		

6.2.2 Give details of the meetings held and decisions made, regarding finance, infrastructure, faculty, academic research, extension, linkages and examinations held during the last year.

Governing Body	:	6
College Committee	:	4
Finance committee	:	6
Academic Council	:	8
Boards of Studies	:	15

6.2.3 How frequently are the meetings of the different statutory bodies held? Describe coordination among bodies like BOS, AC, FC etc.

The Board of Studies meeting was conducted as and when necessary. The Academic Council meetings were conducted on 06.02.2005, 02.05.2005, 20.08.2005, 02.03.2008, 27.05.2009, 13.06.2010 and 16.07.2011. The finance committee meeting was conducted twice in a year.

6.2.4 What percentage of the management council's resolutions were implemented during the last year?

95% of the management council resolutions have been implemented during the last year.

6.2.5 *How is the administration decentralized?*

The entire administrative process is decentralized with Principal shouldering overall administrative leadership in order to have an efficient functioning of College administration. The following are the decentralized activities:

- The Finance Committee submits its recommendations with reference to Financial matters to the Governing Body.
- With regard to the academic matters, Principal, the chairman of the Academic council, takes the decisions in consultation with the Academic council, Board of Studies, and Heads of the departments.
- The Board of Studies is free to revise the content of the syllabus and call for meetings according to the latest developments.
- The controller of examinations decides on all issues relating to conduct of examinations, valuations, publication of results etc.
- The staff members can purchase books of their choice and submit the same to the library.
- The Hostel wardens are empowered to decide on hostel matters

6.2.6 *Does the institution have an effective internal coordination and monitoring mechanism? Specify.*

- Yes, the institution has an effective internal coordination and monitoring mechanism.
- Principal organizes the meetings of the HODs periodically to ensure internal co-ordination among all the departments.
- In turn HOD concerned conducts meetings with the faculty members and convey the decisions taken in the HODs meeting.
- Principal also conducts staff meeting as and when necessary

6.2.7 How many times does the management and staff meet in an academic year?

- The Governing Body and College Committee have representatives of staff members. The Governing Body and College Committee meet two and four times in a year respectively.
- The staff members are free to meet the management and Principal at any time.

6.2.8 What are the informal / decentralized organizational arrangements made by the institution for effective governance?

Various committees such as reception, seating and stage decoration, hospitality, discipline, prize distribution committees are formed for conduct of College functions like College Day, Sports Day, Annual Convocation etc.

6.3. STRATEGY DEVELOPMENT AND DEPLOYMENT

6.3.1 Does the institution have a perspective plan for institutional development? How is it made?

Yes. The College has a perspective plan for institutional development. The plan is prepared on the basis of the vision and mission of the College. Based on the master plan, a plan proposal is prepared which presents a blue print for overall development of infrastructure and academic programmes for five years. Various project proposals for infrastructure developments, research activities are prepared and submitted to various funding agencies in tune with plan. The management allocates adequate funds during its annual budget to meet the institutional share for the development. The institution periodically reviews the outcome of the plan proposals.

6.3.2 Describe strategic action plan and schedule for future development.

The strategic action plan and schedule for the future development for the College is as follows:

- To promote the institution as a College with Potential for Excellence
- To promote the existing research departments as a centre for excellence in research

- To enhance the infrastructure in the campus
 - ✦ Construction of digital library
 - ✦ Construction of smart class rooms
 - ✦ Creating Wi-Fi campus
 - ✦ Enhance the hostel facilities for men
 - ✦ Construction of outdoor stadium with 400m track
 - ✦ Construction of swimming pool
- To upgrade the laboratory facilities
 - ✦ Construction of computer lab for research and development
 - ✦ Construction of embedded system lab
 - ✦ Construction of Thin films lab
 - ✦ Upgrading and renovating UG Zoology lab
- To introduce various new courses
 - ✦ M.A., English
 - ✦ M.B.A
 - ✦ M.Sc., Embedded Systems
 - ✦ PG Diploma in Multimedia
 - ✦ Diploma in BPO
- To upgrade the following departments as research departments leading to Ph.D. programme:
 - ✦ Computer Science
 - ✦ Chemistry
 - ✦ Mathematics
 - ✦ Tamil
 - ✦ Economics
 - ✦ English
 - ✦ Physical Education

6.3.3. Does the institution follow an academic calendar? How is it prepared?

Yes. The institution follows an academic calendar. The Calendar is prepared by committee of faculty members taking into account of the two semesters, total number of working days (minimum 90 days per semester), government holidays, CIA schedule and examination schedule. All necessary guidelines issued by the University and Government of Tamil Nadu are followed.

6.3.4. During the last five years, specify how many plan proposals were initiated/implemented?

The following courses have been introduced during the last five years

Under graduate programmes

1. B.C.A
2. B.B.A
3. B.A English Literature
4. B.A Tamil

Post Graduate Programmes

1. M.Sc., Bio Technology
2. M.Sc., Chemistry

M.Phil. Programmes

1. Computer Science
2. Bio Technology
3. Mathematics
4. Chemistry

Infrastructure facilities

- ✦ Construction of COE block
- ✦ Construction of Bio Technology lab and class rooms

- ✦ Construction of additional class rooms
- ✦ Construction of PG and Research lab for Physics
- ✦ Construction of PG Chemistry Lab and class rooms
- ✦ Construction of Multipurpose Hall

UGC Sponsored infrastructure and developmental projects

- ✦ Construction of Womens' Hostel
- ✦ Construction of Class rooms

In addition to the laboratory equipment, sports equipment, learning resources like laptops, LCD projectors, green black boards, books and journals for library are augmented every year.

6.3.5. What are the initiatives taken by the institution to make optimum use of the autonomous status?

- The college introduced CBCS pattern in the year 2005-2006. The CBCS pattern introduced by the college became the model when Bharthidasan University introduced the same in all affiliated colleges.
- The college has also restructured the curriculum with effect from the academic year 2008-2009 and 2011-2012. This could not have been possible without the autonomous status.
- The college utilized the opportunities to the fullest extent for introduction of elective courses and extra-disciplinary courses enabling the mobility of the students and also credit transfer.
- The college also offers Career oriented Certificate and Diploma programmes, Tally courses, PG diploma programmes as Add-on courses to the students.
- Co-curricular courses such as Value Education and Environmental Studies are included under Part-V. Interaction with the experts from academic field, industry and other bodies has been made to increase the quality of syllabi contents.

- Steps are being taken to improve institution and industry interface.
- The laboratories are upgraded with relevance to the curriculum.
- The library is enriched with addition of new books and journals.
- Major examination reforms are introduced in the college.

6.3.6. *Has the college conducted an academic audit? Give details.*

Yes, the college has an audit mechanism to audit academic affairs in the concerned departments. An Academic audit committee has been constituted for this purpose. At the beginning of every academic year the meeting of the academic audit committee is convened and it decides the criteria for academic audit for that year.

For each department, an audit team comprising of a senior faculty along with subject expert outside the institution is nominated by the audit committee and the audit team conducts audit for the particular department and submits the report to the Principal for further course of action. The Principal takes appropriate action in this regard. An Action Taken Report (ATR) is submitted to the next audit committee meeting for future improvements.

The audit committee conducted internal audits for the academic years 2009-2010 and 2010 -2011.

6.3.7. *Describe the institutional approach for decision-making and deployment*

The institution believes in collective responsibility which is required for efficient functioning of the institution. So all major administrative and academic processes are decentralized and executed in a transparent manner. The management, Principal and the faculty members are working in unison for the development and growth of the institutions.

6.4. HUMAN RESOURCE MANAGEMENT

6.4.1. *How is the staff recruited? Illustrate the process of manpower planning?*

For aided stream

- All the appointments were made as per the Government norms and UGC guidelines.
- Roster system is followed while filling up the vacancies.

For unaided stream

- The process of manpower planning for Self financed courses starts in the month of April and May.
- The college management appoints the required teachers. Advertisements are made inviting applications for lecturers in various disciplines. The candidates are also called for interview and it is conducted by a team of subject expert, Principal, concerned HOD and the Co-ordinator of the self - financed programmes.

6.4.2. *How do you assess the need for staff recruitment?*

- The need for staff recruitment is normally assessed on the basis of workload. In the case of the aided stream, the college sends the workload particulars and staff requirement to the state Government and after getting necessary approval the staff are recruited.
- In the case of self-financing stream, staff requirements are assessed based on the workload of various departments. The vacancies arising from resignation due to marriage, migration to other places are also taken care. Some candidates are kept in the waiting list after their selection and they are appointed immediately, whenever there is a casual vacancy.

6.4.3. *What percentages of faculty are recruited from other institutions?*

- Recruitments for aided section staff attracts the talent from other institutions, as this carries UGC scale of pay and other rules and regulations as per the Tamil Nadu Government servants. 100% of the appointments made in the recent past in the aided section are only from other institutions.
- In the case of recruitment of Self-financed staff more than 90% of the faculty members are from other institution and the remaining from our institution.

6.4.4. *What is the ratio of teaching to non-teaching staff?*

Aided Stream

2011-2012	Total	Male	Female
Teaching	40	28	12
Non-Teaching	27	24	03

The ratio of the Teaching and the Non-Teaching staff **40 : 27**

Self-Financed

2011-2012	Total	Male	Female
Teaching	103	38	65
Non-Teaching	49	16	33

The ratio of the Teaching and Non-Teaching staff **103 : 49**.

6.4.5. *Describe the strategy to attract and retain talented faculty in aided / self financing courses?*

- This college with its academic ambience provides opportunities for the self-development of the teachers to gain experience in PG teaching and also research guidance. Teachers are encouraged to present papers in the seminars and conferences and also make publications in the journals.

- The office administration facilitates the teaching staff by providing efficient service in getting the salary, increments, arrears and retirement benefits for the aided teaching staff in time without any delay.
- The teachers in both aided and self-finance programmes are motivated to do research.
- The self-finance teachers are encouraged to do M.Phil., Ph.D. and qualifying teachers are offered higher salary. The talented faculties in self-financed courses are retained by offering a suitable perks. Management maintains cordial relation with the teaching staff. Further the Management protects the interests of the teachers and looks after their welfare.

6.4.6. Are the Government of India / State Government policies on recruitment followed in terms of reservation and qualification norms?

Yes. The college follows the reservation norms prescribed by the Government of Tamilnadu and qualification norms prescribed by the University Grants Commission and University for teaching and non-teaching staff.

6.4.7. Does the institution appraise the performance of the non-teaching staff? Specify.

Whenever there is promotion from one cadre to the next cadre, the performance of non-teaching staff is assessed by the college committee.

6.4.8. Does the institution have a 'self-appraisal method' to evaluate the performance of the faculty in teaching, research and extension programmes?

Yes. Whenever a lecturer is promoted to a Senior Scale lecturer or from senior scale to Selection Grade lecturer, the self-appraisal report as recommended by UGC is called for from the faculty in teaching, research and extension programmes. Such self-appraisal reports are placed before the college committee for evaluation and promotion.

6.4.9. Are there any complaints, inquiries or legal suits pending against the functioning of the institution? Please give details.

There is no complaint or inquiry or legal suit pending against the functioning of the institution.

6.4.10. Has there been any study conducted during the last five years by the college / government or by any other external agencies on the functioning of any aspect of academic and administrative unit? Give the details and enclose the reports.

The UGC Commission for the conferment of autonomy visited the college on 08.11.2004 which was headed by Dr. R.K. Chauhan, Additional Secretary UGC, New Delhi. The other members of the Commission were Dr. M.D.P. Rao, Principal, Khalikote College, Behampur, Orissa, Prof. M. Gangadhara Rao, Director College of Management Science, Gitam, Vishakapattinam, Dr. Winny Verghese, Principal Marathansius College, Kothamangalam, Kerala and Dr. Veer-Bala Agarwal, Head Department of Mass Communication, Himachal University, Simal, Himachal Pradesh.

The college was conferred autonomous in 2004-05 following the visit of the commission.

6.4.11. Has the institution conducted any programme for skill upgradation and Training of the non-teaching staff based on the performance appraisal?

The Non teaching staff members are trained in using computer packages. The non teaching staff members are also encouraged to appear for Tamilnadu Public Service Commission Departmental examinations

6.4.12. Does the institution conduct staff development programme for the teaching staff? Illustrate.

Yes. A general orientation programme is being organized for the staff members as and when required. A three-day work shop on curriculum

development, teaching and learning process was organized for the staff members in our college campus. In addition the departments organize faculty development programmes.

6.4.13. Has the faculty been introduced to the use of computers, Internet, audio-visual aids, computer aided packages etc.?

Yes. Faculty members are aware of using ICT techniques for teaching and learning process. They are also aware of using World Wide Web for their teaching process.

6.5. FINANCE MANAGEMENT AND RESOURCE MOBILIZATION

6.5.1. Provide details of the budget for the last financial year.

In the Financial year 2010-11, 68.62% is allotted for staff salary, 0.2% on books and journals, 0.65% on purchase of lab equipments and chemicals 1.62% on computers, LCDs and OHPs, 1.68% on examination, 3.21% on research and organizing seminars and symposium, 0.1% on maintenance, 8.42% on student support and amenities, 0.08% on sports and games, 0.41% on fee paid to the University and Board, 3.38% on electricity, water and Phone, 0.7% on printing and stationary, 4.46% on contingency and 4.91% on UGC programmes.

6.5.2. Is the operating budget of the institution adequate to cover the day-to-day expenses?

Yes. The operating budget of the college is adequate to cover the day-to-day expenses.

6.5.3. Is the maintenance budget of the institution adequate with reference to its assets?

The college allocates sufficient amount in the budget for the maintenance of the fixed assets, such as land and buildings, furniture, fittings, equipments and computers in the laboratories.

6.5.4. How is the budget optimally utilized?

Since all the requirements of the college are meticulously planned and the expenses to be incurred on the various items are prioritized before the allocation of the budget by the Finance Committee of the college, the budget is optimally utilized in accordance with the need. The management is generous enough to contribute a considerable amount to meet out the expenses arising due to unforeseen circumstances or the deficit on account of increase in salary to the unaided staff.

6.5.5. Does the institution have a mechanism for internal and external audit? How regularly it is done?

- The college Management has appointed a qualified Chartered Accountant as the auditor of the college. The college accounting section prepares the final accounts for the financial year ending 31st March, every year. The college auditor conducts the final audit, certifies the accounts and presents the audit report to the Management Committee for approval.
- Every year external audit is conducted by the office of the Joint Director of Collegiate Education, Tiruchirappalli Region. The audit section of the office of the Accountant General, Chennai also conducts audit on the accounts of the college as and when it deems fit and necessary.
- For the grants received from the funding agencies like UGC, DST etc. separate expenditure statements and utilization certificates are prepared and audited by a qualified chartered accountant and the same are submitted to the agencies concerned.

6.5.6. What are the current tuition and other fees?

In the case of aided section the fee is collected as per the direction from the Director of Collegiate Education. In the case of Self- financed courses, the fee is fixed by the management committee.

College Fees for UG / PG Courses (Aided Courses)

S. No.	Programme	Laboratory Fees Per Semester(₹)	Special Fees Per year(₹)
01.	B.A., Economics	-	255
02.	B.Com	-	255
03.	B.Sc. (CS)	500	255
04.	B.Sc. (Maths)	50	255
05.	B.Sc. (Physics)	150	255
06.	B.Sc. (Chemistry)	200	255
07.	B.Sc. (Zoology)	250	255
08.	M.Sc. (Physics)	500	255

College Fees for UG / PG Courses (Self-financing)

S. No.	Programme	Tuition Fee & Special Fee Per Annum (₹)	Lab Fee for two Semesters (₹)	University Fee (₹)
01	B.Sc. (CS)	8,700	3,000	415
02	B.C.A.	8,700	3,000	415
03	B.Sc. (Maths)	8,700	2,000	415
04	B.Sc. (Physics)	8,700	2,000	415
05	B.Sc. (Hotel Management)	8,700	8,000	415
06	B.Com.	6,700	-	415
07	B.B.A.	8,700	-	415
08	M.Sc. (Maths)	10,700	-	205
09	M.Sc. (Physics)	10,700	3,000	205
10	M.Sc. (Chemistry)	10,700	5,000	205
11	M.Sc. (Zoology)	8,700	3,000	205
12	M.Sc. (Bio-Technology)	14,700	6,000	205
13	M.Sc. (CS)	10,600	5,000	205
14	M.Sc. (IT)	10,700	5,000	205
15	M.C.A.	20,600	10,000	40
16	M.Com.	8,700	-	205
17	P.G.D.C.A.	8,700	3,000	205
18	M.Phil. (CS, Physics)	13,200	2,500	205
19	M.Phil. (Chemistry, Zoology)	13,200	2,500	205
20	M.Phil. (Bio-technology)	20,700	5,000	205
21	M.Phil. (Commerce)	10,700	-	205

6.5.7. How often is the fee revised?

Fees for the aided programmes are revised in tune with the Government announcement on fee revision. Fees for the self-financing courses are revised by the Governing Body based on the recommendations of the finance committee once in two years.

6.5.8. What is the quantum of resources mobilized through donations? (other than block grants)

Resources are not mobilized through donations.

6.5.9. Narrate the efforts taken by the college for resource mobilization by various means.

- The College mobilizes resources by way of loans from Nationalized Banks. In addition management also contributes from its own resources.
- The institution also mobilizes resources from various funding agencies.

6.6. BEST PRACTICES**6.6.1. Describe best practices in Governance and Leadership adopted by the College in terms of institutional vision and leadership / organizational arrangements / Strategies development / deployment human resource management / financial management and resource mobilization.**

- ✦ Bearing in mind the vision and mission of the institution, the College admits more number of rural students particularly women.
- ✦ Staff members engage themselves in both academic and administrative works in a collective manner with individual responsibilities under the leadership of the head of the institution.
- ✦ Involving all the stakeholders of higher education in the academic and administrative organizational process in order to sustain quality
- ✦ The management evinces keen interest on developing state-of-the-art infrastructure facility constantly.

CRITERION - VII : INNOVATIVE PRACTICES**7.1. INTERNAL QUALITY ASSURANCE SYSTEM****7.1.1 *Has the institution adopted any mechanism/ process for internal quality checks?***

Yes. The institution undertakes academic audit every year to assess the performance of the departments and appropriate action is taken for improving the quality in every aspect.

The Institution has established an Internal Quality Assurance Cell in 2011. It facilitates and ensures quality in academic activities viz., Teaching, Learning, Evaluation, Research and Extension activities.

7.1.2 *How does the institution ensure the quality of its academic Programmes?*

In our Institution, every Department has a Board of Studies, comprising the experts from Industries, Alumni, Academicians, University and the respective faculty members. While the Syllabi are framed, the expert opinions are taken into consideration and whenever possible the recent innovative and skill based courses are included. The Syllabi are revised periodically when need arises. Revised syllabuses are placed before the academic council and the same was approved by them.

The Academic work is planned by the H.O.D in consultation with the Principal. Quality in teaching is ensured by the faculty members by using ICT techniques, improved method of Continuous Internal Assessment and employing better evaluation methods.

The quality of the academic programmes has been reviewed by the Principal and the Heads of the Department. Appropriate feedback mechanism has been created to get the feedback from the students and the outcome is analyzed and appropriate measures are taken for improving the quality.

7.1.3. How does the institution ensure the quality of its administration?

The Institution ensures the quality of administration by having the hierarchy of authorities. The Supreme body in the institution is the College Management committee where the Principal is the Ex-Officio member acting as a Liaison between the Staff and the Management. Two Senior teaching staff and the office superintendent are the members of the college management committee.

Quality of administration is ensured by the decision making process by involving of Various Stakeholders, like Teaching and non-teaching staff, University nominee, Regional Jointed Director of Collegiate education and representatives of UGC.

7.1.4. What are the innovative courses introduced during the last five years? How do you promote innovation in curriculum?

The following innovative courses introduced during the last five years.

- Electronic & Electric Equipment maintenance
- Bio fertilizers and Vermiculture
- Herbal Plant nursery
- Window Programming
- Web Technology
- Cloud Computing
- Fish Farming, Sericulture, Api culture, Poultry Farming
- Bio-informatics
- Computer Applications in Business – Accounting Packages
- Computer Applications in Economics – SPSS Packages

In PG level, M.Sc. (Bio-Technology), M.Sc. (Maths), M.Sc. (Physics), M.Sc. (Chemistry), M.Sc. (Zoology), M.Sc. (IT) and Research level, M.Phil. in Mathematics, Zoology, Computer Science were introduced in the last five years.

The programmes have a flexible system to incorporate changes in the curriculum. The students are given freedom to opt for any course of their choice.

7.1.5. Describe the strategies evolved in promoting innovations in teaching, learning and Evaluation?

Desktop, Laptop, LCD Projectors and Internet Facilities are made available in all the Departments to improve the quality of teaching. The students are given experimental learning process by using state of art equipment. The CIA components include seminars, submission of e-assignments at the PG level, assignment at the UG level and test. End semester examinations are evaluated by the external examiners. Redoing of CIA, instant and supplementary semester examinations are facilitated for the benefit of the students. Examination on Comprehensive Course is conducted at the end of UG programmes.

7.1.6. Elucidate some of the innovations in research and extension? What initiatives have been taken by the institution to give a significant thrust to research and development in the programmes?

Most of the Post Graduate departments in the Institution are elevated as Research Departments. Teachers and research scholars are motivated to present papers in the National and international conferences and also publish them in the National and International Journals. The teachers are encouraged to avail teacher fellowship (UGC Faculty improvement Programme) to pursue Ph.D. Many teachers in the institution have completed Ph.D. Degree as the highest qualification. Most of the teachers are recognized as research advisor for guiding M.Phil. and Ph.D. programmes.

7.1.7. What innovative strategies have been adopted in Governance?

In the Institution, the Supreme body is the College Committee where the Principal is the Ex-Officio member. The Policy decisions are taken by the College Committee. The decisions taken by the College Committee will be implemented through Principal who is the head of the administration. For effective governance, various committees are formed, periodical meetings are conducted and follow up actions are taken.

7.1.8 What mechanisms have been developed by the institution for quality assurance within the existing academic and administrative system?

An academic planner is prepared by the college at the time of beginning of the academic year. The faculty members are preparing teaching plan for the course concerned. The Head of the Departments monitor the implementation of the Teaching Plan. They report to the Principal all the academic activities and performance. After the publication of the annual results an Internal Academic Audit Committee visits the department and interacts with the Staff and Students and present the report on the academic performance to the Principal with a copy to the Department. The teachers are evaluated by the students and the feedback is given to the staff members with appreciation or suggestion for improvement as the case may be.

7.1.9 What are the functions carried out by the above mechanisms in the quality enhancement of the institution?

Academic and Administrative policies are evolved by the Management based on the vision, mission and mission goals of the Institution. Decisions regarding academic and administrative affairs are made in the Meetings of the Heads and members holding additional responsibilities in the College administration. The implementation of the decisions is monitored by the Head of Departments. The academic and administrative performances are reviewed by the Principal. The Principal in turn reports on the performance to the College Committee.

7.1.10 What role is played by the students in assuring quality of education imparted by the institution?

Feedback and suggestions given by the students are incorporated in the curriculum update, teaching and learning process appropriately. Outgoing students provide the overall feedback about the academic and administrative affairs of the college. The valid suggestions of the students are taken into consideration and implemented.

7.1.11. What initiatives have been taken by the institution to promote best practices in the institution? How does the institution ensure that the best practices have been internalized?

Management of the College is very supportive to the welfare of the Staff and Students. It gives academic and administrative freedom in decision making to the Principal in the day-to-day affairs. The Policy of the Management from the day of its inception is to impart quality education without accepting any capitation fee or donation in any other form for admission of students as well as appointment of Staff.

Freedom in curriculum design, participatory learning practices, tutoring the students for self development, developing their leadership qualities are practised over the years involving the students in organizing programmes of Seminars, literacy and cultural competitions and invited guest lectures.

Promotion of research activities, publication, presentation of papers in Seminars and conferences, Participation in Faculty Development programmes, serving as Resource persons have become the salient features of the efficiency of the faculty of the College.

Priority is given to the students who participate in various extension activities.

The standards and procedures laid down and followed in the implementation of the academic and administrative functions enable the college to internalize the best practices in curriculum, Teaching, Learning and Evaluation, Research and Extension, infra-structure, learning resources, governance and leadership.

7.1.12. In which way has the institution added value to students' quality enhancement?

To enhance the quality of students:

- Add-on Courses (Career Oriented Programme) are offered by the Departments.
- Seminars / Special Lectures by external experts are arranged periodically.
- Students are deputed to other colleges to participate in Symposia, Conferences and competitions.
- Soft skill programmes are conducted to all the students
- On and off campus programmes are arranged in coordination with Career Guidance and Counseling centre.
- NCC, NSS camps, Sports activities and other extension activities are conducted to inculcate leadership qualities, team work and social responsibilities.

7.2. INCLUSIVE PRACTICES

7.2.1 What are the inclusive practices of the institution to impart holistic education?

The vision, mission and mission goals of the college focus on imparting holistic education emphasizing moral values and training in career opportunities. The Curriculum has been so designed to impart environmental studies, value education under Part IV.

The teaching and learning process aim at providing knowledge and skill based education. The teachers motivate the students to develop positive attitude to attain their goals.

M.Phil., and Ph.D., research scholars are encouraged to take up emerging and socially relevant topics which contribute to the development of the nation. The Part V extension activities of the college provide training in Productive Services with Community Orientation.

7.2.2 What are the specific initiatives adopted to establish social justice among students, Faculty and Community?

In the students admission, Governments reservation policy is followed. MCA students are admitted through the single window system. BC, MBC, SC and ST scholarships are provided to the eligible students. Besides, the Scholarships are also given to the economically backward and deserving downtrodden candidates.

The faculty appointment is made on the basis of merit and the reservation policy prescribed by the Government of Tamil Nadu.

The Community services are undertaken by the students of NSS and YRC in the villages.

Blood donation is a regular feature of our students to the needy people of all sections of the society in the hospitals on the recommendation of the doctors.

7.2.3 How does the institution promote social responsibilities and citizenship roles among the students?

The mission goals of the College focus on creating social responsibilities and citizenship role among the students. The teachers orient the students towards their goal beyond the Curriculum, Extension activities undertaken by the NCC, NSS, YRC, and other clubs inculcate social responsibilities and Citizenship role among the students.

7.2.4 What are the institutional efforts to bring in 'Community Orientation' in its activities?

In the Curriculum Community Orientation is given in Part V extension activities. Every student should take part in its activities and earn the credit. They are motivated by awareness Programmes. By attending camps and visit to the villages they learn Community Orientation by practice. Voluntary Blood donation to the ready patients in hospitals is regular feature of our students. The produced products of self-help groups are promoted in the hostel for sale. Awareness on organic farming is imparted to the farmers.

7.2.5 Has the institution done a gender audit and /or any gender related sensitizing courses for the Staff/Students? Give details.

Yes. Medical Camps, AIDS awareness Programmes, Personal Counselling for Women students are conducted. Women empowerment, health Practices are conducted exclusively to Women students and Staff. The Gender club organized meetings for empowerment of women. The YRC organized meetings for promotion of youth development.

7.2.6 What practices have been taken up by the institution to provide access to students from the following section of the society:

a) Socially backward

Socially backward students are admitted in all the programmes offered in the college following the Tamilnadu Government reservation norms. They are provided with Government's scholarships. Fee concessions etc besides scholarships are also given by the college to the deserving students.

b) Economically - weaker

The economically weaker section students are identified and are provided with Scholarships by the Management. The concessions are also given at the college hostels.

c) Differently - abled

The differently abled students are given special attention by giving seats to them in the front rows in the class and reserving their seats in the laboratories. Separate vehicle parking nearer to their class rooms are also provided.

7.2.7 What efforts have been made by the institution to recruit 1) Staff from the disadvantaged Communities? Specify.

a) Teaching

Majority of the members of the staff in the college belong to OBC Category. There are Staff members from SC/ST Community as well.

b) Non-Teaching

Similarly the same pattern of recruitment of Non-Teaching Staff from OBC Community and SC/ST Community is followed.

7.2.8 What special efforts are made to achieve gender balance amongst students and Staff?

More opportunities are given to the women students and staff in the college. However Co-education is followed in all programmes.

7.2.9 Has the institution done a gender audit and /or any gender related sensitizing courses for the Staff/Students? Give details.

Yes. Medical Camps, AIDS awareness Programmes, Personal Counselling for Women students are conducted. Women empowerment, health Practices are conducted exclusively to Women students and Staff. The Gender club organized meetings for empowerment of women. The Youth club organized meetings for promotion of youth development.

7.2.10 What intervention strategies have been adopted by the institution to promote overall development of the students from rural/tribal background?

The rural and tribal background students are provided with Government scholarships. The slow learners are identified and are given

extra coaching after the class hours. Guidance and counseling are given extra coaching after the class hours. Guidance and counseling are given to these students to pursue higher studies and for employment.

7.2.11. Does the institution have a mechanism to record the incremental academic growth of the students admitted from the disadvantaged sections?

Data entries relating to the particulars of the students admitted from the different disadvantaged sections of the Society such as SC/ST, OBC, women and rural are made after admission. Their performance in the semester examinations is also entered in the system. The incremental academic growth is recorded from these data.

7.3. STAKEHOLDER RELATIONSHIP

7.3.1. How does the institution involve all its stakeholders in plannings, implementing and evaluating the academic programmes?

The student members are involved to air their views in various platforms. The alumni are involved in Board of Studies as external or Industrial experts. Due representation for expert from industry and business is given in the academic Council. The outgoing students give their feedback about the academic programmes. The views of the parents during their interaction with class in charge and Heads are also considered for the improvement of the academic programmes.

7.3.2 How does the institution develop new programmes to create an overall climate conducive to learning?

The new programmes introduced in the recent past such as Bio-Technology, Chemistry, English Literature, Tamil Literature, Business Administration and Computer Applications create an overall climate conducive to learning.

Students get an opportunity to learn subjects of current interest, extra-disciplinary courses and skill based courses. Further these programmes are career oriented.

7.3.3 What are the key factors that attract students and Stakeholders resulting in stakeholder satisfaction?

The Institutional image and the quality education imparted in the previous years have been the attraction to the parents and students. Stakeholders have full confidence on the Institution and its academic ambience.

Special lectures and Seminars are conducted periodically inviting experts from outside to update the recent developments. Campus interviews are arranged by the Departments in co-ordination with Guidance and counseling centre. Soft skill programmes are conducted in vigour to enhance the employability rate. The personal growth and development of the students are nurtured and monitored by the staff-in charge and Head of the Departments.

7.3.4. How does the institution elicit the co-operation from all stakeholders to ensure overall development of the students considering the Curricular and Co-curricular activities, research, community orientation the personal/ spiritual development of the students?

The College maintains cordial relations with parents, Alumni, Government Departments, Industries in the public and private sectors, Non-Governmental Organizations in and around Thuraiyur Taluk. Excellent rapport with these individuals and institutions enables the college to implement the academic and extra-academic programmes successfully, besides the teaching staff work with team spirit, involvement and commitment towards this objective. Thus, the overall development of the Students is ensured.

7.3.5. How do you anticipate public concern in your institutions with current and future programme offerings and operations?

In recent years, programmes like M.Sc. (Bio-Tech), M.Sc. (Chemistry) additional sections in B.Sc., BCA, B.Com. are offered to meet the demands in the job market. Steps are being taken to offer new programmes like M.A English, Nutrition and Dietetics from the ensuing academic year based on the public concerns expressed.

7.3.6. How does the institution promote social responsibilities and citizenship roles among the students? Does it have any exclusive program for the same?

The mission goals of the college focus on creating social responsibilities and citizenship role among the students. The teachers orient the students towards their goal beyond the curriculum. Extension activities undertaken by the NCC, NSS, Blood Donation, inculcate social responsibilities and citizenship role among the students.

7.3.7. What are the institutional efforts to bring in community-orientation in its activities?

In the Curriculum Community Orientation is given in Part V extension activities. Every student should take part in its activities and earn the credit. They are motivated by awareness Programmes. Camps and visit to the villages make the students learn Community Orientation by practice. Voluntary Blood donation to the needy patients in hospitals is a regular feature of our students.

7.3.8. How does your institution actively support and strengthen the neighbourhood communities? How do you identify community needs and determine areas of emphasis for organizational involvement and support?

The College has adopted the villages namely Naduvalur, Omandur, Vellakalpatti, Abinimangalam to extend support and development by carrying out extension activities. The felt needs are identified and appropriate programme are launched in adopted villages through NSS camp.

7.3.9. How do the faculty and students contribute in these activities?

The Programme officers of NSS, NCC, YRC and the Students Volunteer of the part-V extension activities undertake the field work in the villages. The students are taken to the villages by the respective class-in-charge and they are guided by the NSS Programme officers and student leaders.

7.3.10. Describe how your institution determines student satisfaction, relative to academic Benchmarks? Do you update the approach in view of the current and future educational need and challenges?

The Standard of curriculum is set in comparison with the established colleges, Institutions and Universities for disciplines. This academic benchmark in curriculum is assessed with the help of feedback. The feedback provides the level of satisfaction and scope for modification. The academic benchmarks are revised and updated from time to time based on the needs and challenges in the field of education.

7.3.11. How do you build relationships to attract and retain students to enhance students' performance and to meet their expectation of learning?

The student-Staff relationship is cordial and the students have greater access to the staff members.

Student friendly atmosphere maintained in the departments attract the students. The skill based and career oriented courses offered in the college contribute to the retention of the students. The Class-in-charge gives personal counseling to the students and helps them to meet their expectations both in academic and personal grooming.

7.3.12 What is your complaint management process? How do you ensure that these complaints are resolved promptly and effectively? How are complaints aggregated and analyzed for use in the improvement of the organization and for better stakeholder-relationship and satisfaction.

When a complaint is received, the Principal and other senior faculties study and analyse the nature of the complaint, receive explanations from the people concerned and decide on the follow-up action. If the complaint is of

serious nature, an enquiry committee is constituted to look into the matter and a report is presented within the specified time frame. The Committee conducts its proceedings and submits its report. The Principal and the Management decide the course of action to be taken against the erring party and the redressal or solution to the aggrieved party, rendering justice to the complaint received.

The Management initiates appropriate measures if necessary, for the improvement of academic and administrative aspects of the college in order to avoid the recurrence of such complaints in future.

7.3.13. How are the core values of NAAC reflected in the various function of the institution?

The vision, mission and mission goals of the college reflect the core value of NAAC such as contributing to national development, fostering global competencies, inculcating value system among students and quest for excellence received from the outgoing students and Alumni who are placed in different institutions.

The interactive teaching-learning practices aimed at knowledge and skill development and innovation in teaching methods, establishing credible and transparent evaluative system are the benchmarks in Teaching, learning and Evaluation process. Apart from the students feedback, the views of the parents, alumni, academic experts who visit the college, the students performance in examinations are the bases for determining the students satisfaction towards this teaching-learning and evaluation benchmarks.

Upgrading all the departments into Research Departments leading to M.Phil and Ph.D. Programmes, the student's participation in Seminars and conferences, presentation of research papers and publication of the same are benchmarks for research and development. The enthusiastic response of the students in all these programmes is the yardstick for measuring their level of satisfaction.

Extension activities to be linked with academic activities in the adopted villages aimed at “Providing urban amenities in rural areas” (PURA) is the benchmark for extension activities. The survey before and after the launching of the extension programmes is an indicator of quality.

Providing infrastructure facilities for every programme offered in the college to be on par with institutions of repute is the benchmark. This is assessed from the feedback of the students.

The results of the various programmes offered and the placement records are the standards set for student progression. The progress in the performance of the students from year to year and the number of on campus and off campus interviews attended and placements are the indicators.

As an Autonomous college, the curriculum for various programmes has been designed keeping the standards of Universities and institutes of repute in mind. It gives scope for the students to understand issues of national importance and also to develop their skills to meet the challenges in the competitive world. Value education is a part of the curriculum. Computer literacy is given to all UG students at the entry level. Computer application as a course of study is offered in all programmes.

The college provides an academic experience to ensure the teaching-learning process learner-centric, apart from traditional chalk and talk method, interactive and participatory learning, field work practices. Project works are also carried out. The teachers use OHP, Slide projectors and LCDs for power point presentation in the class rooms.

All the departments in the college offer research programmes either M.Phil. or Ph.D. or both. Researchers are encouraged to select their topics of research on issues and problem concerning the society, business and industry and above all the nations over.

The infrastructure facilities in the college in terms of buildings for classrooms, laboratories, furniture and fittings have been enriched according to the requirements of the present day. The college has a central library and libraries in the departments with collection of latest books and journals. Computer facilities have been extended to all departments. Seminar halls and selected classrooms have been fitted with LCD projectors for power point presentation. Internet access is provided to Staff and Students at free of cost.

The Career Guidance and Counseling Center and Placement Cell co-ordinates with the staff in disseminating information and conducting coaching classes, aptitude tests, interviews to increase employability skills of the students. It arranges for on-campus and off-campus recruitment programmes. The economically disadvantaged students are supported by scholarships by the Management apart from Government scholarships.

The college is blessed with a teacher -friendly and student friendly management ensuring good governance. The leadership practices participatory style of functioning by involving the teachers in academic and administrative decision making. Members of the staff are given additional responsibilities in the day-to-day affairs of college administration. The management ploughs back the resources generated from within the college for enhancing the quality of teaching-learning process, strengthening the infrastructure and learning resources and enriching the welfare facilities for the staff and students.



DEPARTMENT-WISE EVALUATIVE REPORT

DEPARTMENT OF BIOTECHNOLOGY

1. *Faculty profile, adequacy and competency of faculty:*

The Department of Biotechnology was established in the year 2006. The Department offers M.Sc. Biotechnology at PG level and M.Phil. programme at research level. The department is equipped with adequate, qualified, experienced and competent faculty members.

Total Staff Members	5
No. of Staff with Ph.D.	2
No. of Staff with M.Phil.	3

2. *Student profile according to programmes of study, gender, region etc.*

Most of the students admitted in our department come from socially and economically weaker sections of the society with rural background from different parts of Tamil Nadu. More women students from rural background are admitted in the above mentioned programmes.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.*

The department has revised the syllabus periodically during the years, 2006-2007, 2008-2009 and 2011-2012. The department organizes department level staff meeting in order to get useful suggestions from faculty members for making changes in the curriculum and syllabi.

Significant changes made in the courses / Programs

- Introduction of comprehensive course [2006].
- Introduction of Intellectual property rights, biosafety and bioethics [2008].
- Introduction of Drug dynamics and drug designing [2011].

4. *Trend in the success rate and dropout rate of students during the last five years.*

The Department has achieved consistently good academic results and the success rate of the students in the examination is 100% in both PG and M.Phil. Programmes. The dropout rate is nil.

5. *Learning resources of the department like library, computers, laboratories and other such resources*

- The PG Department of Biotechnology is spread over 5,600 sq.ft with independent research facilities for carrying out research work in various fields of Biotechnology.
- The department holds an enviable collection of sophisticated and the state-of-the- art laboratory equipment procured from reputed companies all over the world.
- The department has been compartmentalized to give utmost importance to every branch of Biotechnology. There are separate plant tissue and animal tissue culture laboratories, separate space for carrying out microbiological, biochemical and molecular experiments for the benefit of students and research scholars.
- The department Library is equipped with 100 valuable subject oriented reference books.
- The department is also equipped with 4 computers (with internet connection) and OHP projectors for ICT based teaching.

6. *Enhancement of the learning resources during the past five years*

The department enhances the learning resources periodically. All necessary learning resources are procured regularly.

7. *Modern Teaching methods in practice other than the lecture method.*

The department practises the following methods in teaching learning process.

- Using PPT and OHP presentation
- Teaching through demonstration (experiential oriented)
- Using world wide web as effective learning tool.

8. *Participation of teachers in academic and personal counseling of students.*

Every class is assigned with a class in-charge teacher. The class in-charge teacher is responsible for the academic activities for the respective class. This system eventually improves teacher-student relationship. It gives scope for the students to express their academic and personal problems to the teachers. The teacher takes utmost care in the solving their problem and giving solutions.

9. *Details of faculty development programmes and teachers who benefited during the past five years*

Dr. C. Sasikumar has attended a Refresher course conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli, from 1st August 2008 to 21st August 2008.

10. *Participation of teachers in academic activities other than teaching and research*

The faculty members of Biotechnology department have actively organized a one day National level Seminar in collaboration with Department of Zoology a three day Workshop for the benefit of students and farmers respectively.

S. No.	Title	Place	Sponsored by	Date	Beneficiaries
1	Advances in Biopharming Technologies	Nehru Memorial College (Autonomous), Puthanampatti	Management of Nehru Memorial College	06-12-2008 (One day)	Students and Research Scholars
2	Eco-friendly Agricultural practices	Nehru Memorial College (Autonomous), Puthanampatti	Tamil Nadu State Council for Science and Technology	31.07.2010 to 02.08.2010 (Three days)	Farmers and Students

11. Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

The Department of Biotechnology in collaboration with the Departments of Zoology and Chemistry established a central instrumentation facility. The students, Research scholars and faculty members utilize the aforesaid facility.

12. If research is a significant activity, what are the thrust areas of the department

The department is carrying out research at Ph.D. (part time) and M.Phil. level. The thrust areas of research are

- Agricultural Biotechnology
- Microbial Biotechnology
- Phytochemistry

13. Details of the ongoing projects and projects completed during the last five years

A UGC Minor Research Project (MRP-2206/06 (UGC-SERO) Link No: 2206) was undertaken during the year 2007 – 2009 for a sum of ₹ 1,00,000/-.

14. **Publications of the faculty, for the past five years. Details regarding citation index and impact factor.**

PAPERS PUBLISHED

1. **Sriram, S.**, Kavitha Srilakshmi, J., Meenaa, V and Sasikumar, C. (2009). Adenosine deaminase from *Plasmodium falsiparum* as a Potential Drug Target in AntiMalarial Drug Designing: A Bioinformatic Approach. *Ethnobotanical leaflets* 13: 639-47.
2. Gandhiraja, N., **Sriram, S.**, Meenaa, V., Kavitha Srilakshmi, J., Sasikumar, C. and Rajeshwari, R. (2009). Phytochemical Screening and Antimicrobial Activity of the Plant Extract of *Mimosa pudica* L. against selected microbes. *Ethnobotanical leaflets* 13:618- 24.
3. Kavitha Srilakshmi, J., Sriram, S., Meenaa, V and **Sasikumar, C.** (2009). Significance of Aryl-Amine-N-Acetyl Transferase as a potential drug target in anti-tubercular therapy-A Bioinformatic approach. *Journal of Advanced Biotech.*
4. **Sasikumar, C.**, Sriram, S., Anitha, C., Meenaa, V., Kavitha Srilakshmi, J. (2009). Phytochemical screening and antibacterial activity of *Eugenia caryophyllata* Linn - "Krambu". *Online Journal of Biotechnology*. Vol. 1 (3): 69-73.
5. **Sasikumar, C.**, Meena, V., Kavitha Srilakshmi, J and Sriram, S. 2010. HPTLC Analysis of Various Market Samples of a Traditional Drug Source - Kodiveli (*Plumbago zeylanica* Linn). *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol 2, Suppl 4, Pg:130-132.
6. Guruchandran, V., Sasikumar, C and **Sriram, S.** 2009. Effect of Nitrogen and Phosphate on the Amylase activity of *Aspergillus niger* Isolated from Citrus peel. *AJMBES*.
7. **M.Meenakshisundram**, K.Santhaguru and K.Rajendran. 2011. Effects of Bioinoculants on quality seedlings production of *Delonix regia* in tropical nursery condition. *Asian Journal of Biochemical and Pharmaceutical research*, 1 (1) 97-107.

8. **M.Meenakshisundaram** and K.Santhaguru.2010. Isolation and nitrogen fixing efficiency of a novel endophytic diazotroph *Gluconacetobacter diazotrophicus* associated with *Saccharum officinarum* from southern districts of Tamilnadu. *International journal of Biological and Medical research*, 1 (4) 298-300.
9. **M.Meenakshisundaram** and K.Santhaguru, 2009. Impact of *Glomus fasciculatum* and *Gluconacetobacter diazotrophicus* on alleviation of drought stress in *Sorghum bicolor* (L) Monech. *Journal of cell and Tissue Research*, 9 (3) 1957-1962.
10. **M.Meenakshisundaram**, V.Kumarasamy and K.Santhaguru, 2009. Evaluation of grain legume rhizobia from semi arid regions of Tamil Nadu. *Electronic journal of Environmental sciences*, 2: 69-72.
11. **M.Meenakshisundaram** and K.Rajendran, 2007. Microbial inoculants for quality seedlings production of Neem (*Azadirachta indica*) in tropical nursery conditions. *Journal of Non Timber Forest Products*.14 (4): 255-260.
12. **M.Meenakshisundaram** and K.Santhaguru.2005. Interaction between AM fungi and *Gluconaceto bacter diazotrophicus* on infection, growth, total nitrogen, phosphorus and soluble sugars and chlorophyll content in leaves of *S.bicolor*. *Journal of Soil Biology and Ecology*, **25**: 231-234.
13. K.Senthilvadivelan, **M.Meenakshisundaram** and K. Santhaguru, 2004. Arbuscular mycorrhizal diversity of tree-legumes in the soils of Sirumalai Hills. *Journal of Range management of Agroforestry*, **25**(2): 173-176.
14. **M.Meenakshisundaram** and K.Santhaguru, 2006. Interactive effects of AM fungi and *Gluconacetobacter diazotrophicus* on alleviation of drought stress in *S.bicolor* (L) Monech. *Proceeding of National seminar on Current Trends in Biotechnological Application, Thiagarajar College.Madurai*.

15. P.Muthumanickam, **M. Meenakshisundaram** and K.Santhaguru, 2006. Biocontrol basis of plant growth promotion by *fluorescent pseudomonads* and its infested in *Lycopersicum esculentum*. *Proceeding of National seminar on Current Trends in Biotechnological Application, Thiagarajar College.Madurai.*
16. P.Kamalakaran, **M.Meenakshisundaram** and S. Chandrasekaran. 2006. Ecological studies on herbaceous vegetation in two dry deciduous forest in dindigul districts of Tamil Nadu. *Proceedings of National conference on Forest biodiversity resources: Exploitation, conservation and management, Madurai Kamaraj University.*
17. **M.Meenakshisundaram**, K.Santhaguru and K.Rajendran, 2011. Effects of Bioinoculants on quality seedlings production of *Delonix regia* in tropical nursery conditions. *Asian Journal of Biochemical and Pharmaceutical Research*, 1: (1) 98 – 107.
18. **M.Meenakshisundaram** and K.Santhaguru, 2011. Studies on association of Arbuscular Mycorrhizal fungi with *Gluconacetobacter diazotrophicus* and its effect on improvement of *Sorghum bicolor* (L) monech. *International Journal of Current Scientific and Industrial Research*, 1 (2): 23 – 30.
19. Alagendran, S., Archunan, G., Neelamathi, E., Anusha, R. **Miller Samson, S.**, and Puspha, N. Lipid Fluctuations in Women Saliva during Menstrual Cycle. *Journal of Cell and Tissue Research*, Vol. 9(2) 1915-1919, 2009.
20. Mahalakshmi.C., **Miller Samson. S.**, Alagendran.S., Anusha. R., and Neelamathi. E. Effect of UV and EMS mutation on *Aspergillus niger* in the production of α -amylase. *Journal of pure and applied microbiology*, Vol. 3(2), p. 705-708 Oct 2009.
21. S.Alagendran, K. Palanivelu, R.Anusha, **S.Miller Samson**, E. Neelamathi N. Puspha and G. Archunan. Salivary Protein and Alkaline Phosphatase Changes during Normal Menstrual cycle *Biochem. Cell. Arch.* Vol. 9, No. 2, pp. 187-190, 2009.

22. Nithya, V, Alagendran S, Archunan G, Anusha Bhaskar, Baskaran. X, **Miller Samson S**, Anusha R, Orozco-Bonilla E.A and Guevara Guzman Rosalinda. Evaluation of amino acids profiles in human saliva using Reverse phase high performance liquid chromatography. *International Journal of Biological Technology* (2010) 1(1):84-89.
23. Neelamathi Eswaran, Alagendran Subbarayalu, **Miller Samson Sadhasivam** and Anusha Ramachandran. Propagation and conservation of an endangered plant *Ceropegia barnesii bruce et chatterjee* through encapsulated nodal explants. *Eco-chronicle*. 07 - 11, 2009.

PAPERS ACCEPTED FOR PUBLICATION

1. **Sasikumar, C.**, Sriram, S., Meenaa, V., Kavitha Srilakshmi, J (2009). Evaluation of Antibacterial activity of *Nigella sativa* Linn against selected microbes. *Journal of Inventi Rapid Ethnopharmacology*.
 2. **C.Sasikumar**, S.Sriram, V.Guruchandran, V.Meenaa and J.Kavitha Srilakshmi.(2009). Impact of Bio-inputs on the Growth Characteristics and Secondary metabolite production of Periwinkle (*Catharanthus roseus* Linn.) *Asian Journal of Experimental Sciences*.
 3. V.Meenaa, J.Kavitha Srilakshmi, **S.Sriram** and C.Sasikumar (2011) NS5B RNA dependent RNA polymerase as an effective drug target in anti-Hepatitis C Virus therapy - A Bioinformatic approach. *Journal of Advanced Biotechnology*.
15. **Participation of the department in the extension activities of the college.**

The Department of Biotechnology and the Department of Zoology jointly organized a workshop for the farmers on "Eco-friendly agricultural practices", sponsored by Tamil Nadu State Council for Science and Technology from 31.07.2010 to 02.08.2010.

16. Method of continuous student assessment

The department is following common internal assessment pattern prescribed by the academic council of our college with 25% component of internal assessment. The continuous student assessment is based on class tests, seminars and assignments.

17. Placement record of the past students and the contribution of the department to the student placements.

The faculty members of the department motivate the students for getting placement in various industries / institutions. So far seven of our PG students are pursuing Ph.D. in reputed Universities / Institutions. Five students are working as Quality control specialists in Pharmaceutical companies such as Malladi Pharma and Orchid Pharma.

Two students are working as proof readers in Scientific Journals.

18. Significant achievements of the department or faculty or students during the past five years

- ✦ Mr. S. Sriram participated in an International Conference on “Greening Food Processing Sector for sustainable safe food supply” at IICPT, Tanjore in 2010.
- ✦ Dr. M. Meenakshisundaram is recognized as research advisor for M.Phil. and Ph.D. programmes.
- ✦ Our student Ms. Jeevarekha has secured University 11th rank in the year 2009 - 2011.

19. Involvement of students in academic/co-curricular and other activities of the department.

The students are allowed to present their research findings in the Seminars and to participate in the workshops/competitions. The department has encouraged a final year M.Sc. student, Ms. Thanga Saraswathi to pursue a concurrent MBA programme simultaneously. Besides our students are participating in, NSS and YRC activities.

20. *Innovations and best practices initiated/adopted by the departments during the last five years.*

- Established a state-of- art infrastructural facilities by installing latest equipment in the field of Biotechnology.
- Imparting best experimental training and practical oriented teaching and learning process.
- Implementing ICT in teaching and learning process.

21. *Development and expansion plans of the department for the next 5 years.*

The Department has the following plan of action for the next 5 years.

- To pursue active research in collaboration with industries.
- To organize International level Seminar/workshop and conferences.

22. *Any other highlights*

The University Grants Commission has sanctioned ₹ 7.00 lakhs to the College for implementing Advanced Diploma Programmes during the year 2004-2005. The Department of Biotechnology in association with departments of Zoology and Botany is offering two Advanced Diploma programmes such as Advanced Diploma in Biofertilizers & Vermiculture and Advanced Diploma in Herbal plant nursery. The Undergraduate students from various discipline are studying the above mentioned programmes as an add on courses. In order to enrich the practical skills, students are provided with lab oriented experiments in the respective diploma programmes.

DEPARTMENT OF CHEMISTRY

1. Faculty profile, adequacy and competency of faculty.

Profile of Teaching Staff:

Staff with Ph.D. qualification	: 03
Staff with M.Phil qualification	: 07
Total number of research papers in International Journals	: 12

2. Students profile according to programmes of study, gender, region etc.

(A) Enrolment details:

Year (UG)	Male	Female	Total
2006-2007	15	25	40
2007-2008	13	26	39
2008-2009	08	27	35
2009-2010	10	21	31
2010-2011	09	15	24

Year (PG)	Male	Female	Total
2007-2008	16	10	26
2008-2009	14	10	24
2009-2010	21	06	27
2010-2011	15	07	22

Year (M.Phil.)	Male	Female	Total
2011-2012	09	1	10

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.*

1. Separate allied syllabi are framed for physics and Zoology major students during the year 2008-2009.
2. A modified paper "Essences from Organic Chemistry" is included in the syllabus during the year 2011-2012.
3. Applied practical experiments are included in the practical syllabus during the year 2011-2012
4. Green chemistry is included in open elective course during the year 2011 -2012.

4. *Trend in the success rate and drops rate of students during the last five years.*

Success rate : 80%

Dropout rate : 2%

5. *Learning resources of the department like library, computers, laboratories and other such resources.*

1. Department Library : 62 Books
2. Computer : 04 with Internet connection
3. LCD Projector : 1

6. *Enhancement of the learning resources during the past five years*

1. A Computer and One LCD Projector have been purchased.
2. Soil and Water testing kit have been purchased.

7. *Modern Teaching Methods in practice other than the lecture method.*

1. Power Point Presentation through LCD.
2. Organic and Inorganic structural model are used.

8. *Participation of teachers in academic and personal counseling of students.*

1. Every class is assigned with a staff in-charge as tutor.
2. Slow learners are identified based on their performance in the class test. The learning disabilities are removed by conducting remedial Classes.
3. Students are encouraged to participate in seminars, inter collegiate competition, workshop and Quiz programme organized by universities and colleges.
4. Latest employment opportunities and student career development programmes are displayed in the department notice board.

9. *Details of faculty development programmes and teachers who benefited during the past five years.*

Faculty members have attended the orientation programs and UGC sponsored refresher courses.

10. *Participation of teachers in academic activities other than teaching and research.*

Faculty members are also engaged in delivering lectures in the related areas in other colleges.

A faculty member attended women empowerment programme conducted by Bharathidasan University.

11. *Collaborations with other department and institution at the national and international level and their outcome during the past five years.*

Nil

12. *If research is a significant activity, the thrust areas of the department.*

1. Chemical kinetics
2. Adsorption dynamics
3. Computational chemistry

13. *Details of the ongoing projects and projects completed during the last five years.*

Nil

14. *Publication of the faculty, for the past five years. Details regarding citation index and impact factor analysis.*

Research Publications (last five Years)

Total number of research papers in International Journals	:	12
Total number of research papers in National Journals	:	05

15. *Participation of the department in the extension activities of the College.*

Members of the department have served as NSS programme officer and Hostel warden.

16. *Method of continuous student assessment.*

UG and PG

Assignment/seminar	:	05
Class test	:	10
Rehearsal Examination	:	10
Total	:	25

17. *Placement record of the past students and the contribution of the department to the student placements.*

Three students got appointment in Malco industry at Orissa during the year 2009.

18. *Significant achievements of the department or faculty or students during the past five years.*

University Rank Holders:

UG : 1

19. *Involvement of students in academic / co-curricular and other activities of the department.*

Students participated in NSS, NCC and Youth club.

20. *Innovations and best practices initiated / adopted by the departments during the last five years. Plan of action of the department for the next five years.*

1. To establish Research Centre in Chemistry.
2. To conduct Workshops for the benefit of faculty and Students.
3. To conduct the National and International seminars.

21. *Development and expansion plans of the department for the next 5 years.*

1. Proposed to introduce Ph.D. programme.
2. Proposed to extend research activities.

22. *Any other highlights.*

Modern chemistry laboratory has been established during the year 2009-2010.

DEPARTMENT OF COMMERCE**1. Faculty profile, adequacy and competency of faculty.**

The Department has adequate number of Staff members.

- 4 staff members are qualified with Ph.D.,
- 11 staff members are qualified with M.Phil.,
- Additional qualification-M.B.A., qualified 7 and SLET qualified -01
- Dr.V.Selvaraj and Dr.T.Jayaprakasam are recognized as Research Advisors for Ph.D., Programme by Bharathidasan University.
- Dr. S. Murugesan, Dr. A. Mary Anbumathy, Mrs. I. Sumathi & Miss. A. Jannathul Firthose are recognized as Research Advisors for M.Phil., Programme by Bharathidasan University.
- The Department has been elevated to Research Department in the year 2000.
- 9 Ph.D., and 73 M.Phil., Degrees were awarded from the year 2004-05 to 2010-2011.
- More than 40 papers/Articles have been published by the staff in reputed journals.
- More than 50 papers have been presented in seminars/conferences.
- One State level and one National level seminars have been organized by our Department.
- The staff members have been serving as chair person / Resource Person in various Seminars / Conferences / Association Meetings organized by the University and Colleges.

2. *Student profile according to programmes of study, gender, region etc*

In all the programmes both boys and girls are admitted. Most of them are from the nearby villages and they belong to weaker section and marginalized communities.

In all the programmes women students outnumber the men students i.e., more than 80% are women Students.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.*

Once in every three years the entire syllabi and course structure of each programme is modified to suit the needs of the present day. This is done in the pre Board of Studies meetings held in the Department after in depth discussion with the staff members, subject experts from the university, Chartered Accountants and Industrialists.

Revised and Modified courses such as MS Office, Tally 9.3 (E.R.P.), SPSS Packages are taught.

4. *Trend in the success rate and dropout rate of students during the last five years:*

<i>Programmes</i>	<i>Success Rate</i>	<i>Dropout Rate</i>
B.Com.,	98%	09%
M.Com.,	100%	06%
M.Phil.,	100%	-
Ph.D.,	100%	-

5. *Learning resources of the department like library, computers, laboratories and other such resources*

The department has a department library with 60 books. It has six computers and one LCD projector with Internet facility.

6. *Enhancement of the learning resources during the past five years*

The Learning resources of the Department are enhanced with subscribing more number of journals, additions of latest books, six desktop computers, one laptop, and one LCD projector with Internet.

7. *Modern Teaching methods in practice other than the lecture method*

Computer based teaching through LCD Projector is carried out. Current developments in Commerce is brought to students through the internet. Stock market operations are practised to the students during the trading hours between 9 a.m. and 3.30 p.m. via internet. Industrial visits are arranged for PG students. Coaching classes are conducted for SLET/NET Exams for the M.Com., students by inviting experts from other institutions.

8. *Participation of teachers in academic and personal counselling of students.*

For every class there is a staff in charge who monitors the performance of the students throughout the academic year. Personal counseling is given to the students as and when required. Weak students are suitably tutored to improve their performance in academic activities.

9. *Details of faculty development programmes and teachers who benefited during the past five years*

Staff members attend the orientation courses and refresher courses conducted by various universities. Dr.(Mrs.)Mary Anbumathi has attended one refresher course and one orientation course organized by Bharathidasan University, Trichy

10. *Participation of teachers in academic activities other than teaching and research.*

Faculty members serve as question paper setters of various autonomous colleges and universities. They also participate actively in

seminars and conferences conducted by colleges and Universities. Dr.V.Selvaraj, Head of the Department and Dr (Mrs) Mary Anbumathy had served as resource persons in many conferences and seminars. Dr.T.Jayaprakasam is the member, Board of Studies for UG commerce and Member of the Senate in Bharathidasan University. He has also served as the Chief Superintendent for the semester (autonomous) examinations. At present he is the Member Secretary of our college Academic council.

11. Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

Nil

12. If research is a significant activity, what are the thrust areas of the department?

The department has engaged in Research activities since the year 2000. So for the Department has produced 73 M.Phil. and 09 Ph.D. Scholars. The Thrust areas are Marketing, Finance, Investment and Human Resource Management.

13. Details of the ongoing projects and projects completed during the last five years.

NIL

14. Publications of the faculty, for the past five years. Details regarding citation index and impact factor.

The faculty members have published articles in the leading journals. During this period they have published 18 papers.

15. Participation of the department in the extension activities of the college.

The staff members actively participate in conduct of various functions such as Sports day, College day, and Convocation. Dr. V. Selvaraj, has served as N.S.S. Programme officer from 1983 to 1988. Dr. T. Jayaprakasam, has served as associate NCC officer from 1984 as Second Lieutenant to the Highest Rank-Major up to 2003. He has also been honoured with the Best Officer Award in the year 2000.

15. Method of continuous student assessment.

Assignment/Seminar	- 5 marks
Internal Test	- 10 marks
Rehearsal Test	- 10 marks

16. Placement record of the past students:

Our M.Com Students continue their higher studies with B.Ed., or M.Phil., and Ph.D., and they are placed in various Schools, Colleges and Universities.

We also arrange for Placement in our campus and Mr. Parthipan of III B.Com has been placed in K.P.R. Mills Ltd. Tirupur during the year 2009-2010.

17. Significant achievements of the department or faculty or students during the past five years.

Period of study	B.Com	Rank	Period of study	M.Com	Rank
2006-2009	T.Parthipa	XIIIV	2005-2007	K.Palanivel	V
2007-2010	M.Ranjith	XV	2006-2008	K.Vasanthi	VI
			2007-2009	R.Saranya	VI
			2008-2010	S.Janaki	III

The students of B.Com and M.Com have been continuously getting University Ranks since 2005-2006.

Most of the B.Com. students continue their higher studies such as M.Com., M.B.A., C.A., I.C.W.A., A.C.S., etc. During the course of studies or after completing these courses they are well placed. We have a record of eminent chartered accountants in our list of alumni.

Diploma courses and Add-on courses are conducted.

We encourage the involvement of students in academic / co-curricular and other activities of the department.

Students take active part in Sports, NCC, NSS, YRC, & Gender Club.

18. *Innovations and best practices initiated/adopted by the departments during the last five years.*

Students learn computer based Accounting packages. They are trained to analyze and interpret the Financial Statements of various companies listed in BSE and NSE. Stock market operations are also practiced through the internet.

PowerPoint presentation with video clippings are presented through LCD Projector.

19. *Development and expansion plans of the department for the next 5 years.*

- It is proposed to arrange separate classes for CPT, Foundation course for C.A., I.C.W.A., & A.C.S., aspirants.
- Proposed to implement ERP (Enterprise Resource Planning).
- Proposed to have MoU with NSE/BSE.

20. *Any other highlights.*

It is the department routine feature that the annual budgets of the State & Central Govt. is discussed in depth among the students with experts from other colleges, corporate bodies / chartered accountants every year.

ANNEXURE**Awards and Recognition Received by Faculty (Last Five Years)**

**Our Faculties recognized and invited to Served as a
Resource person- Dr.V.Selvaraj**

S. No.	Title	Organized by	Date
1.	Role of SSI & Agro Based Industries in Indian Economy	PG Dept. of commerce, Jamal Md. College, Tiruchirapalli	04.02.2011
2.	Role of Investors Forums	PG Dept. of commerce, Jamal Md. College, Tiruchirapalli	12.01.2011
3.	Investors' Awareness on current capital	Dept. of Commerce and Financial Studies, Bharathidasan University, Tiruchirapalli.	03.04.2010
4.	Non-Performing Assets in Banking and Financial Institutions.	Dept. of Commerce, Trinity College for women, Namakkal- 637 001.	16.02.2010
5.	Women Empowerment towards the Changing new dimensions.	Dept. of Commerce, Bon Secours college for women, Vilar Bye pass Road, Thanjavur	29.01.2009
6.	Strategies of wealth creation	Dept. of commerce, National College, Tiruchirapalli-620 001.	June 2008
7.	Modern women Entrepreneur	Dept. of Commerce, Chidambaram Pillai College for Women, Mannachanallur Tiruchirapalli-621 005.	24.01.2009
8.	Screen Based Trading	Dept. of commerce, Trinity College for Women, Namakkal-637 001.	08.08.2008
9.	Online Trading	Dept. of Commerce, Selvam Arts & Science College, Namakkal	08.08.2008
10.	Online share Trading	PG & Research Dept. of Commerce, Periyar E.V.R. College, Tiruchirapalli-620 023.	29.02.2007
11.	Changing dimensions of Entrepreneurship	A.N.J.A. College, Sivakasi.	03.01.2007

**Faculty Who Have Attended Natl. / Intl. Seminars
(Last 5 Years)**

List of Papers Presented in Seminars / Conference: 24

S. No.	Title of the Paper,	Details of Seminar / Conference	Organized by
1.	WTO A PRORICH FORUM?	International conference on "WTO A PRORICH FORUM"- on 9-10-11 th June 2003.	Department of commerce, St. Stephen's College, Uzhavoor, Kerala.
2.	GLOBALISATION Vs. LOCALISATION	"IMPACT OF GLOBALISATION ON SMALL SCALE SECTOR IN INDIA"-ON 17, 18 TH JAN 2003.	Commerce Association of Kerala, St. Stephen's College, Uzhavoor, Kerala.
3.	GLOBALIZATION	State level seminar on 8 th AUGUST 2003.	Department of Commerce, V.V. Vanniaperumal College, of Women, Virudhunagar.
4.	GLOBALIZATION	Seminar on "GLOBALISATION" on-27 th OCT' 2003.	Department of Commerce, Devanaga Arts College,
5.	SAMPLING AND ITS TECHNIQUES	Two days "workshop on RESEARH IN COMMERCE"-on 29, 30 th NOV' 2003	PG & Research Department of Commerce, Jamal Mohamed College, Trichy.
6.	CHANGING SECENARIO OF INDIAN AGRICULTURAL UNDER WTO REGIME.	International seminar on "EMERGING TRENDS IN GLOBAL BUSINESS: CHALLENGES OPPORTUNITIES FOR DEVELOPING COUNTRIES"-on 06,07 th FEB/ 2004.	Pg & Research Department, Management Studies, P.R.Institute of management, Ponnaiyah Ramajayam College, Thanjavur.
7.	A REVIEW OF MUTUAL FUNDS IN INDIA	UGC, National seminar on "INDIAN CAPITAL MARKET IN THE POST LIBERALISATION ERA"- on 7,8 th MARCH' 2004.	Department of Commerce, Bharathidasan University, Trichy.
8.	WOMEN ENTREPRENEURSHIP IN THE 21 ST CENTURY	National level seminar on "CHALLENGES BEFORE THE INDIAN ENTREPRENEUSHIP IN THE 21 st CENTURY"- on 10 th APRIL 2004.	Khadhir Kohadeen College, Adirampattinam, Thanjavur.
9.	MARKETING OF DIARY PRODUCTS THROUGH e-commerce.	UGC sponsored state level seminar on "MARKETING STRATEGIES IN THE NEW MILLENIUM: CHALLENGES & PERSPECTIVES" - ON 1 ST , 2 ND SEP, 2004	PG & Research Department of Commerce, Jamal Mohamed College, Trichy.

10.	AGRICULTURAL SECTOR OF INDIA & WTO, TECHNOLOGY AND PRODUCTION OF AGRICULTURE IN INDIA WITH SPECIAL REFERENCE TO COTTON	National seminar on , "INSTITUTIONAL POLICY OPTIONS FOR SUSTAINABLE AGRICULTURE AND RURAL DEVELOPMENT" - ON 22nd SEP' 2004.	Department of Economics, Nallamuthu Gounder Mahalingam College, Pollachi.
11.	AGRICULTURE GROWTH ON OVERVIEW	International management convention on," INDIA CALLS WORLD-A ROAD MAP TO SUCCESS" - on 27 & 28th SEP' 2004.	Adaikalamadha College, Vallam, Thanjavur.
12.	ROLE OF WTO OVER AGRICULTURAL SECTOR OF INDIA	International management convention on, "INDIACALLS WORLD-A ROAD MAP TO SUCCESS" - ON 27 & 28th SEP' 2004.	Adaikalamadha College, Vallam, Thanjavur.
13.	CONCEPT OF RESEARCH DESIGN	"A 50 LECTURE SERIES" - ON 2004-2005	Bangalore University
14.	GROWTH OF RESEARCH DESIGN	UGC Sponsored National seminar on "EMERGING ISSUES OF NON-BANKING COMPANIES IN INDIA" - ON 18th & 19th FEB' 2005	PG & Research Department of Commerce, A.V.V.M. Sri Pushpam College, Poondi.
15.	GATS & HIGHER EDUCATION IN INDIA: OPPORTUNITIES AND CHALLENGES- CHAIR PERSONS	UGC Sponsored National Seminar on "PROBLEMS AND PROSPECTS OF SERVICE SECTOR IN INDIA IN THE CONTEXT OF WTO'S GATS PROPOSALS" - ON 8th, 9th & 10th Nov' 2005.	PG & Research Department of Commerce, Jamal Mohamed College, Trichy
16.	PROBLEMS AND PROSPECTS OF RURAL ENTREPRENEURSHIP	UGC Sponsored state level seminar on "PROBLEMS AND PROSPECTS OF RURAL ENTREPRENEURSHIP" - ON 18TH & 19th NOV' 2004.	PG & Research Department of Commerce, Urumu Dhanalakshmi College, Trichy.
17.	MICRO FINANCE INITIATIVES IN THE DEVELOPMENT OF INDIAN RURAL ECONOMY.	UGC Sponsored National seminar on "ERADICATION OF POVERTY THROUGH INNOVATIVE EMPLOYMENT SCHMENES" - ON 28th & 29th SEP' 2006.	PG & Research Department of Commerce, Urumu Dhanalakshmi College, Trichy
18.	PROBLEMS AND PROSPECTS OF WOMEN ENTREPRENEURS.	National Conference on "EMERGING TRENDS IN ENTREPRENEURSHIP IN INDIA" - on APRIL' 2007.	Commerce wing, DDE, Annamalai University, Annamalai Nagar, Chidambaram.

19.	CREDIT RATING AGENCIES INDUCING COMPETITION.	National Conference on "RECENT TRENDS IN FINANCIAL SERVICES" - ON 12th OCT' 2007.	Commerce wing, DDE, Annamalai University, Annamali Nagar, Chidambaram.
20.	FINANCIAL INNOVATION IN THE PRESENT SCENARIO.	Two days international seminar on, "RECENT TRENDS IN CAPITAL MARKETS & FINANCIAL INNOVATIONS" - ON Jan' 10th & 11th 2009.	Dept. of Commerce & Financial Studies School of Economics, & Commerce. Bharathidasan University.
21.	CORPORATE SOCIAL RESPONSIBILITY AND BUSINESS SUCCESS	International conference on "CORPORATE SOCIAL RESPONSIBILITY IN THE GLOBALISED SCENARIO" - ON 22nd-24th Jan' 2009.	Department of Commerce, Holy cross College, Trichy.
22.	CUSTOMER SERVICE & FINANCIAL INCLUSIONS	National conference on "SERVICES MARKETING, TRENDS, CHALLENGES & STRATEGIES".	Commerce wing, DDE, Annamalai University, Annamali Nagar, Chidambaram.
23.	E-BANKING	Sponsored by UGC-SERO-Hyderabad on 1st & 2nd SEP' 2005.	Department of Commerce, V.V.Vanniaperumal College for women, Virudhunagar.
24.	Implications of VAT	UGC Sponsored National level Conference on "INTRODUCTION OF VALUE ADDED TAX IN INDIA- EMERGING ISSUES & CHALLENGES" ON 2-3rd SEP' 2005.	PG & Research Dept. of Commerce, Erode Arts college, Erode.

Ph.D. Degree Awarded

S. No.	Guide Name	Title	Name and Address of the Researcher
1.	Dr. V. Selvaraj	Development of Women Entrepreneurship in Tiruchirappalli District - 2005	Miss.A.Jeevanantham, H.O.D. of Commerce, Periyar Maniammai Polytechnic College, Vallam, Thanjavur.
2.		2. A Study on the Functioning and Growth of District Central Co-operative Bank Ltd. - 2006	Mr.T.Unnamalai, Assistant Professor in Commerce, Bharathidasan University College, Peramabalar.
3.		A Study on Non-Banking Financial Companies in Tamilnadu - 2007	T.Jayaprakasam, S.G.Lecturer in Commerce, Nehru Memorial College, Puthanampatti.
4.		Performance of Small Scale Industries in Tiruchirappalli District. - 2010	S.Murugesan, S.G.Lecturer in Commerce, Nehru Memorial College, Puthanampatti.
5.		Quality Management system in Higher Educational Institutions in Thanjavur Dt. - 2010	D.Umamaheswari, Sr.Lecturer in Mgt. Studies, Periyar Maniammai Univeristy, Vallam, Thanjavur-613 007.
6.		A Study on Human Resource Management Practices in Private Sugar Mills in Tamilnadu - 2010	L.Satheskumar, Asst. Professor in Commerce, Directorate of Distance Education
7.		Performance Analysis of Sugar Industry in Tamilnadu with special reference to Sakthi Sugars Ltd. - 2011	N.Abdulkhader, S.G.Lecturer [Rtd.] in Commerce, Jamal Mohamed College, Trichy.
8.		Human Resource Development measures among The Selected College Teachers of Bharathidasan University, Tiruchirappalli-An Analysis - 2011	K.Marammaldevi, Senior Lecturers, Humanities, Sethu Institute of Technology, Kariapatti.

LIST OF PUBLICATIONS

S. No.	Name	Title of the Article	Name of the Magazine	Year	Volume & Issue
1.	Dr.V.Selvaraj	Free trade Area.	Third concept.	Sep-2004	Vol-18 Issue-211
2.	I. Sumathi	Self Help groups Promote growth	Kissan world	Aug-2006	Vol-38 Issue-8
3.	Dr.V.Selvaraj	Revamping sugar Industry	Third concept	Oct-2007	Vol-21 Issue-24
4.	Dr.V.Selvaraj	Sugar Industry Need of the hour	The Economic Challenger	Oct-2007	Vol-10 Issue-37
5.	Dr.V.Selvaraj	Retailing: Mall Vs small	Third concept	June-2007	Vol-21 Issue-24
6.	Dr.V.Selvaraj	Performance of Mutual funds.	Facts for you	May-2007	Vol-27 Issue-8
7.	S.Alphonsa	Grameen Bank-A Noble winning concept	Kissan world	March-2007	Vol-34 Issue-03
8.	Dr.T.Jayaprakasam	Need for financial inclusion with an Indian Perspective	Indian Economic Panorama	Dec-2008	Vol-18 Issue-4A
9.	Dr.T.Jayaprakasam	Role of NABARD in promotion of Micro credit	Tamilnadu Journal of Co-operation.	Oct-2008	Vol-8 Issue-12
10.	T.Gayathri	Sustainable growth of Ecotourism	HRD Times	Aug-2008	Vol-10 Issue-8
11.	Dr.V.Selvaraj	Micro finance through SHGs	Tamilnadu Journal of co-operation	Aug-2008	Vol-88 Issue-10
12.	Dr.V.Selvaraj	Sugar Industry and Ethanol	Economic Challenger	June-2008	Vol-10 Issue-39
13.	Dr.T.Jayaprakasam	Banking Industry in India business strategies towards innovative retail Banking	Tamilnadu Journal of Co-operation.	Jan-2009	Vol- Issue-

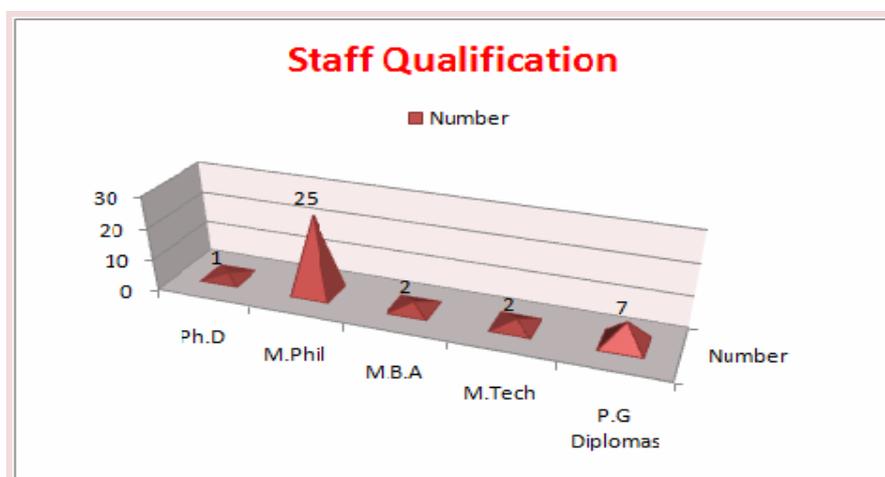
14.	Dr.V.Selvaraj	Role of Risk Management in E-Banking	Business and Travel Times	Jan-2009	Vol-2 Issue-5
15.	Dr.V.Selvaraj	Growing Role of customer Relationship Management	Business and Travel Times	Feb-2009	Vol-2 Issue-6
16.	Dr.V.Selvaraj	Customer Relationship Management and Cell centres	Indian Economic Panorama	July 2010	Vol-1 Issue-2

DEPARTMENT OF COMPUTER SCIENCE

1. Faculty profile, adequacy and competence of faculty.

The department of Computer Science was established in 1983 and it is the first college to introduce B.Sc. Computer Science in the Arts and Science colleges in South India. The department offers B.Sc. Computer Science, B.C.A, M.Sc. Computer Science, M.Sc. Information Technology, M.C.A. and M.Phil. Programmes. The department has adequate number of qualified, competent and experienced faculty members.

Staff Strength	
Aided	6
Self Financed	22
Total	28



2. Student profile according to programmes of study, gender, religion etc.

The predominant section of students hails from socially and economically weaker sections of the society with rural background. More women students are admitted in the programmes. Normally the 99.5 percent of students hail from our own state except few students come from Asian countries like Srilanka.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.*

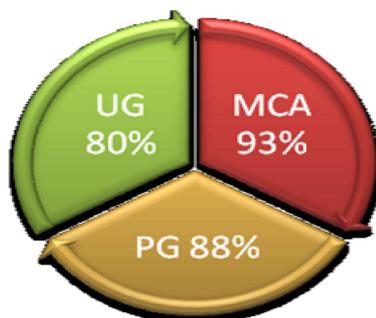
The department emphasizes structured approach for development of curriculum. Various stakeholders of the higher education are participating in the curriculum designing and development process.

- The need for change in the curriculum is ascertained from the students, alumni and other stakeholders.
- The ACM International Curriculum Model, Syllabi of Universities and autonomous colleges are referred to during the revision of syllabus.
- A Pre-Board of Studies meeting comprising faculty members of the department are held twice to formulate the draft curriculum.
- The draft curriculum is placed before the Board of Studies meeting and after a thorough discussion the syllabus is prescribed for the programme concerned.
- The syllabi are finally placed before the Academic Council for approval.
- The department has undergone major syllabus revision during 2004-2005, 2005-2006, 2008-2009 and 2011-2012.

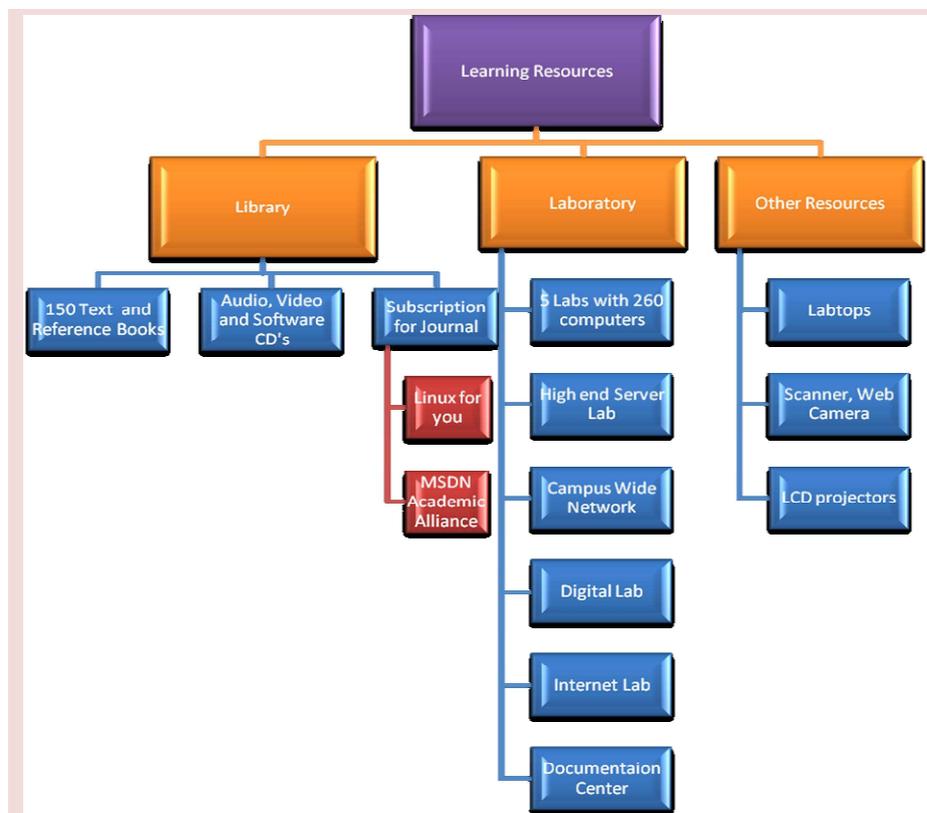
Year	Changes made / new Courses introduced
2005	Introduction of Integrated experimental oriented courses.
	Introduction of comprehensive course
	Visual programming using Win32 applications
2008	Introduction of domain study
	Introduction of Soft Skill Development program.
	Web Technology
	Distributed Application development
	BPO and Health Care
2011	Software Testing
	Python programming
	Data Structures Lab
	Domain based Electives

4. *Trend in the success rate and dropout rate of students during the last five years.*

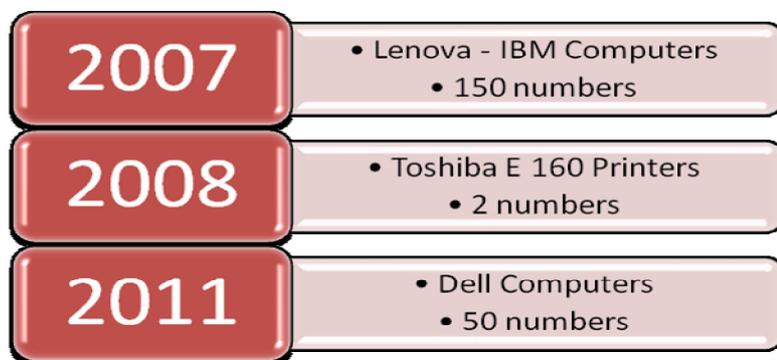
The department has achieved good academic results in the semester examinations consistently. Five students have got University Gold Medal from among autonomous and non autonomous colleges. The dropout rate is 2.5%. The success rate is depicted below:



5. *Learning resources of the department like library, computers, laboratories and other such resources.*



6. *Enhancement of the learning resources during the past five years*



7. *Modern teaching methods in practice other than the lecture method.*

- The department utilizes the ICT resources to supplement the traditional chalk and talk method.
- Faculty members use multimedia based presentations using Power Point / Flash technologies.
- Experiential / Demonstration methods are used to explain the concepts.
- Learning through projects/prototypes.
- Learning through visual presentations like MIT Open Courseware/ NPTEL Video Lectures and animated presentations.
- Learning through e books, open course materials.
- Design of E - Content / course materials
- Using World Wide Web as effective learning tool.

8. *Participation of teachers in academic and personnel counseling:*

The faculty members are assigned with a class each to monitor the performance of the students. The faculty member who acts like a mentor identifies the weaker students and motivates them to improve their performance. Besides the faculty-in-charge also gives personal counseling to the needy students.

9. Details of faculty development programmes and teachers who benefited during the past five years.

The faculty members regularly update their knowledge by attending the refresher / orientation programmes offered by the Universities. The department also organizes faculty development programmes during the summer / winter vacation to keep pace with the latest developments in the subject concerned.

Faculty Development Programmes Organized / Participated				
From	To	Subject	No. of days	No. of Staff Participated
25.05.2000	14.06.2000	Internet and JAVA Programming	21	15
25.03.2001	week end programme	Skill Development in C & C++	90	4
15.05.2005	21.05.2005	Visual Programming (VC++)	7	25
29.05.2005	31.05.2005	Multimedia Design	3	1
08.12.2005	09.12.2005	Perl Programming	2	4
01.05.2006	22.05.2006	BPO and e-Content Management	22	5
09.09.2006	-	Software Development Life Cycle	1	31
06.11.2006	09.11.2006	Linux Programming	4	30
06.02.2007	10.02.2007	Soft Skill Development	5	3
25.09.2008	27.09.2008	Software Testing	3	3
08.08.2008	10.08.2008	Algorithms	3	3
08.06.2009	13.06.2009	Skill Development in C & C++	6	25

10. Participation of teachers in academic activities other than teaching and research.

The faculty members are actively involved in

- Serving as Resource Persons
- Organizing seminars / workshops in the department
- Imparting soft skills training to the students
- Participating in the administrative activities like Board of Studies, Academic Council, Disciplinary Committee, Sports Committee.

11. Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

The department has entered into an MoU with M/S HOV Services Ltd (formerly LASON India Ltd) a Multinational Company to pursue Linkage Programme. The outcome of the programme are as follows:

Programme	Outcome
Redesign of the courses	Introduction of BPO and Health Care and e-content management
Training of Faculty members	BPO, Perl
Earn While You Learn	Part time job on BPO
On the JOB Training	BPO
Project Assistance / Internship	Real Time experience in Software Development
Placement Assistances	Organizing On and Off campus Interview

12. If research is a significant activity what are the thrust areas of the department.

The faculty members actively pursue research in the following areas.

Area of Research
Cryptography and Network Security
Wireless Communication Network
Data Mining and Data Warehousing
Web Mining
Neural Networks

13. Details of the ongoing projects and projects completed during the last five years.

The department is actively involved in software development projects. The following projects have been taken up during the last five years:

S. No.	Name of the Project	Year of development	Team Size
1	Department Library Automation	2006	1
2	Pay Bill Preparation	2007	2
3	Online Entrance Examination	2010	1
4	Web Site Design	2010	3
5	Collaborative Learning Tool	2010	1
6	Knowledge based Community Sharing	2011	4
7	E Gas Sewa	2011	2
8	Social Networking	2011	4

14. Publications of the faculty for the past five years.

The publications made by the faculty members are enclosed in the Annexure CS-I.

15. Participation of teachers in the extension activities of the college.

Thiru M. Muralidharan and Thiru M. Asokan have served as N.S.S Programme officers. In addition to this, the faculty members are actively involved in the conduct of Sports and Cultural activities.

16. Method of continuous internal assessment.

The department follows the common internal assessment pattern prescribed by the academic council of our college. In some courses e-assignment is prescribed for the students. The Department follows review system for assessing the student's project.

17. Placement record of the past students and the contribution of the department to the student placements.

The department plays a pivotal role in preparing the students ready for placement tests / interviews. Faculty members create awareness among the students about current job market and motivate them to prepare for

placement. Technical and Soft Skill training programs are organized to tune the students. Various competitions, personality development programs are organized. Various on and off campus programmes are organized for the students. As a result, students have got selected in the prominent I.T. Companies like Infosys, Wipro, Cisco, HOV services, Data Pattern Ltd etc.

18. Significant achievements of the department or faculty or students during the last five years.

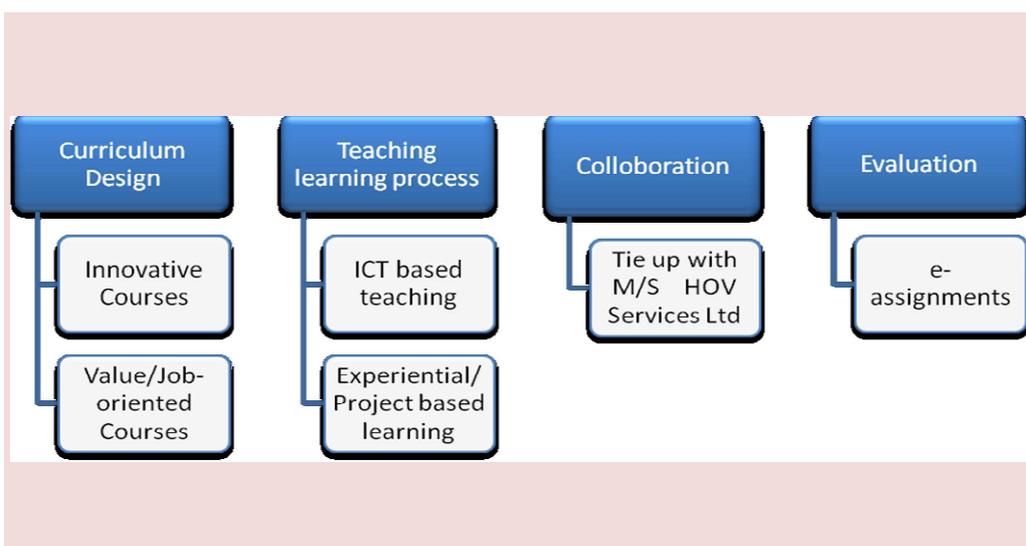


19. Involvement of students in Academic/ Co-curricular activities of the department.

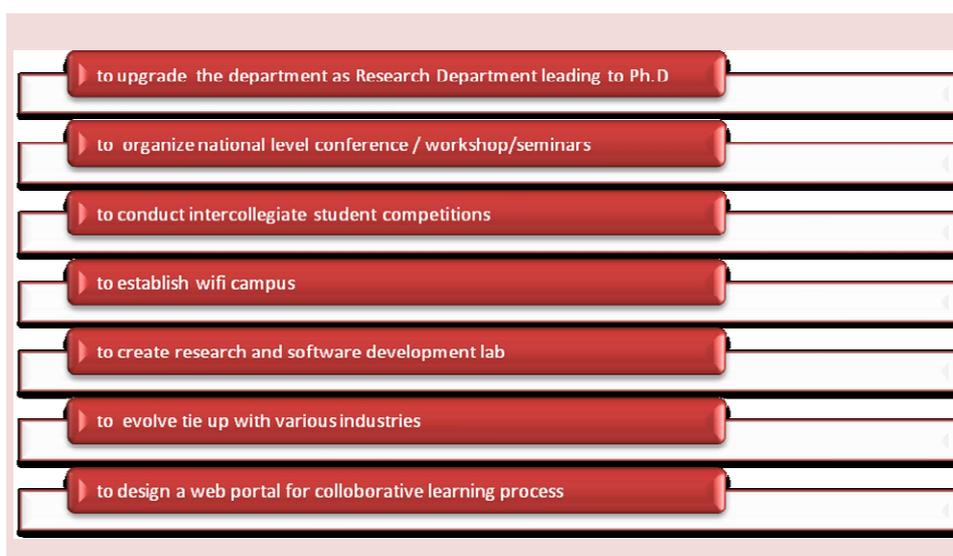
The students actively participate in the association activities. They organize various seminars / workshops and intra-collegiate competitions.

They also publish a magazine called “View Port”. The Post Graduate Students have formed an association in the name OPTRA. Besides, the students participate in NSS, NCC, Sports and Cultural Activities.

20. Innovations and best practices initiated / adopted by the departments during the last five years.



21. Development and expansion plans of the department for the next five years.



22. Any other highlights.

The University Grants Commission has sanctioned ₹ 17.00 lakhs for implementing Advanced Diploma Programme in Computer Applications during 2001-2002. The programme is offered as an add on programme for the Undergraduate students. The students are exposed to on-the-job training in Office Automation, Business Process Outsourcing, Web Design and Desktop Publishing. The faculty members put their earnest efforts to cull out the talents from the students. With the help of innovative curriculum the department is doing yeomen service to the rural people by providing quality higher education.

It is pertinent to mention that the vision of the famous writer-cum-electronics engineer Mr Sujatha came true as the rural students from our college work in I.T Companies all over the world.

ANNEXURE

LIST OF PUBLICATIONS

- 1) Arunachalam Solairaju and Rajupillai Periyasamy, Optimal Boolean function simplification through K-map using object-oriented algorithm, International Journal of Computer Science, (0975-8887), Volume 15, No.7, February, 2011, pp.28-32.
- 2) Arunachalam Solairaju and Rajupillai Periyasamy, Effect of linear Threshold gate on the Countenance of Artificial Neural Networks, International Journal of Open Problems in Mathematics and Applications, Vol.1, No.1, March 2001, pp.51-55.
- 3) Selvi.V,.R.Umarani "Particle Swarm Optimization Evolution, Overview And Applications" in the International Journal of Engineering Science and Technology Vol. 2(7), 2010, 2802-2806. ISSN: 0975-5462
- 4) Selvi.V, R.Umarani "Comparative Analysis of Ant Colony and Particle Swarm Optimization Techniques" in the International Journal of Computer Applications (0975 - 8887) Volume 5- No.4, August 2010 Number 4 (ISBN: 978-93-80746-55-5).
- 5) Selvi.V, J.Saigeetha "Speed And Security Enhancement Through Public Key Cryptography", in the International Journal of Engineering Science and Technology Vol. 2(8), 2010, 3551-3556. ISSN: 0975-5462
- 6) Selvi.V, R.Umarani, K.Vanaja "Highly Dynamic Ad hoc On Demand Distance Vector (HDAO DV) Routing Protocol for MANET", in the International Journal of Computer Applications 10(2):6-10, November 2010 Number 2 (ISBN: 978-93-80747-93-6).
- 7) Saigeetha.J, D.J.Evanjaline "Security Enhancement For Wireless Protocol WEP by Random shuffling encryption" in International Journal of Network and Mobile Technologies, ISSN:2230-8903.

DEPARTMENT OF ECONOMICS

1. Faculty profile, adequacy and competency of faculty

The sanctioned staff strength of the department is **Four**. There are four staff members serving as regular staff. The composition of the staff members includes HOD and three Assistant Professors. All the faculty members are qualified with M.Phil. Degree and 3 faculties have acquired Ph.D. Degree. There are two M.Phil., and one Ph.D. Research advisors available in the department.

Name of the Staff	Qualification	Designation	Teaching Experience	Nature of the Post
Tmt.R.Manimekalai	M.A., M.Phil.,	Associate Professor	22 Years	Regular
Dr. K.Revathi	M.A., M.Phil., Ph.D.,	Assistant Professor	12 Years	Regular
Dr.T.Porselvi	M.A., M.Phil., Ph.D.,	Assistant Professor	4 Years	Regular
Dr.K. Karunakaran	M.A., M.Phil., Ph.D.,	Assistant Professor	4Years	Regular

2. Students profile according to programmes of study, gender/ region

The department has students' strength of 93 for the year 2010-2011. Among them more than 50% of total students are women. The department is able to attract students from middle & western part of Tamilnadu, Kerala and Sri Lanka. The participation of women students is increasing from the local areas as well as outside.

Number of Students (Men/Women) gives details course-wise 2010-2011

2010-2011			
UG	Men	Women	Total
	36	57	93
Ph.D (Part Time)	01	07	08

3. Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes

The department has introduced innovative and utility oriented subjects for B.A. students under CBCS Pattern. As the importance of Information and Communication Technology has been multiplying, the department has introduced basic computer application, office automation and SPSS in the curriculum. To meet current needs, Banking, Tourism Economics, Management and Accountancy, Principles of Commerce courses have been included in the curriculum. All the teachers are involved in the curriculum design.

4. Trend in the success rate and drop out rate of students during the last five years.

The success rate of U.G. Students is varied. The number of drop out of students is in single digit.

Success Rate (UG)

<i>Year of Examination</i>	<i>No of Students Appeared</i>	<i>Pass Percentage</i>
2004-2005	56	87.50
2005-2006	28	71.42
2006-2007	32	78.13
2007- 2008	33	90.91
2008-2009	19	94.74

Dropout Rate

<i>Year</i>	<i>Admitted</i>	<i>Dropout</i>	<i>Dropout rate</i>
2005-2006	29	01	3.4
2006-2007	33	01	3.01
2007-2008	37	02	5.4
2008-2009	28	06	21.4
2009-2010	32	03	9.38
2010-2011	33	03	9.01

5. *Learning resources of the department like library, computers, laboratories and other such resources.*

The department has purchased 88 books and a computer with a Laser Printer from the grant received from Malcolm Adiseshiah Trust to improve the quality of Education. The department library consists of 165 books and 07 journals. Students utilize the facilities during leisure hours. The books are lent to both staff and students. The department is equipped with two Laptops and two desktop computers with a laser printer. Broadband internet facility is available in the Department.

6. *Enhancement of the learning resources during the past five years*

- Department library is equipped with latest text books & reference books.
- Students are advised to use the Study materials, Xerox copies, Newspapers and advertisements in connection with the subjects.
- Unit-wise test, assignments and encouraging the students to visit college library as well as department library.
- Computers, Laptops and LCD Projector are used in the teaching learning process.

7. *Modern Teaching methods in practice other than the lecture method*

Computer aided teaching is used to supplement the teaching process.

8. *Participation of teachers in academic and personal counseling of students.*

- All Staff members participate in academic and personal counseling of students.
- Every class is assigned with a Staff in charge. Slow learners are identified based on their performance in class and tests.

- The learning disabilities are removed by conducting remedial classes.
- Students are encouraged to participate in seminars, inter collegiate competitions, workshops and quiz programme organized by Universities and Colleges.
- The department displays the employment opportunities and student career development programmes in the notice board.
- Experts from the various field are invited to deliver special lectures in areas like banking, financing, marketing, women entrepreneur and globalization.

9. *Details of faculty development programmes and teachers who benefited during the past five years (Annexure - IV).*

- Four staff members have participated in the UGC sponsored **Orientation and Refresher courses**.
- Two faculty members have participated in Five days workshop on **“Capacity building of Women managers in Higher Education”** organized by the Centre for Women Studies, BARD, Trichy.
- Two faculty members attended Two days workshop on **Research Methodology** organized by Economics Department of National College, Trichy.

10. *Participation of teachers in academic activities other than teaching and research participation in Seminars.*

- Faculty members serve as question paper setters and examiners in various universities and autonomous colleges of Tamilnadu.
- Two faculty members act as a resource person for the contact programmes.
- One faculty member serves as chairman of the Board of Studies of Economics of our college and other faculty members serve as members of the Board of Studies of Economics of our college.

11. Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

- The Department in collaboration with **Centre of Youth Development Studies, BARD, Trichy** organized inter-collegiate Elocution and Essay writing competition
- The department has conducted a meeting focuses on Gender Equity in collaboration with **Centre for Women Studies, BARD, Trichy.**
- The department provides a platform for **Self Help Groups of the Tamil Nadu Entrepreneurs Women Association** for marketing their products in our college premises.
- The department has organized a **workshop for Self Help Group members in and around Puthanampatti** in association with **Syndicate Bank, Puthanampatti Branch** to empower women self help group.

12. If research is a significant activity, what are the thrust areas of the department.

- The faculty members are actively involved in the research activities.
- The major thrust areas in which research activities are being pursued are Poultry farming, Dry land farming, Marine Fishery, Land use and Land value.

13. Details of the ongoing projects and projects completed during the last five years.

Two UGC Sponsored Minor Research Projects were completed. The details are given below.

Name of the Staff	Title of the Project	Name of the funding Agency	Amount in ₹	Duration
Dr.Revathi	1. 1.Alternative Employment Opportunities for dry land farmers in Puthanampatti village	UGC	75,000/-	2007-2008
	2. A Comparative study on income generating activities of rural and urban women SHG - Harnessing Bank linkage program.	UGC	90,000/-	2009-2010

14. Publications of the faculty for the past 5 years. Details regarding citation index and impact factor. (Annexure-II)

A total of 41 articles are published in books and journals by the faculty members.

Year	No of Publications
2005	2
2006	5
2007	7
2008	10
2009	2
2010	8
2011	7

15. Participation of the department in the extension activities of the college.

- Faculty members are serving as NSS, YRC and Gender Club Co-coordinators of our college and conducted Free eye screening camp, Blood donation camp and First Aid Training Programme.

- Students take part in the part-IV Extension activities of the college such as NSS, YRC and NCC.
- The department provides a platform for **Self Help Groups of the Tamil Nadu Entrepreneurs Women Association** for marketing their products in our college premises.
- The department has organized a **workshop for Self Help Group members in and around Puthanampatti in association with Syndicate Bank, Puthanampatti Branch** to empower women self help group.

16. Method of continuous assessment

- Three periodical CIA (Continuous Internal Assessment) tests are being conducted by the department in every semester.
- Three assignments are given and the student attendance is regularly monitored to assess the students.

Assignment - 5 Marks

Internal Marks - 10 Marks

Rehearsal Marks -10 Marks

17. Placement record of the past students and the contribution of the department to the student placements.

- Students are placed in various institutions. Some students are self employed. Some students got selected as Teachers in some colleges and schools.
- Some students got placement in Dairy industry, Coco-Cola Company, HDFC, Army, Police, NGO's and Marketing field.
- Faculty members provide information regarding placement opportunities, conduct skill based training programmes and help the student for the placement.

- Students are encouraged to participate in the workshops organized by the IECD, Bharathidasan University. Guest lectures are arranged to our students about career opportunities.

18. Significant achievements of the department or faculty or students during the past five years

- Best Co-ordinator award was given to Dr. K.Revathi.

Name of the Staff	Name of the Event	Year	Name of the Institution
Dr. K.Revathi	Vivekanda Man Message Competition cond	2005-2006	Swami Vivekanda Kendra, Kanyakumari

- Four students of our department have secured University Rank. The details are given below.

S. No.	Name of the Candidate	Year	University Rank
1	R.Jayanthi	2006-2007	Second
2	D.Senthil Kumar	2006-2007	Fifth
3	S. Yasothern	2007-2008	Fourth
4	K.Parmasivam	2009-2010	Tenth

- Two students of our department have won prizes in Gender Fest Competitions in the year 2007 organised by Centre for Women Studies, BARD, Trichy.

S. No.	Name of the Candidate	Name of the Event	Year	Prize Awarded
1	A. Dinesh Kumar	Solo Song (Light)	2007	Third
2	S. Selvakumar	Tamil Essay Writing	2007	Third

19. *Involvement of students in academic / co-curricular and other activities of the department*

- Students are actively involved in arranging and organizing the various meeting periodically in the Department.
- Students have participated in the Workshops, Seminars and Entrepreneurial Development Training programme conducted within our college and outside our college.

20. *Innovations and best practices initiated / adopted by the departments during the last five years*

The students are being given computer literacy .Comprehensive Course has been introduced in the curriculum.

21. *Development and expansion plans of the department for the next five years.*

- To upgrade our department as a Post Graduate and Research Department.
- To conduct national level workshop, seminar and conferences for the benefit of the students.

22. *Any other highlights*

Nil

ANNEXURE - I**Details of the Paper Presented**

S. No.	Name of the Staff	Title of the Paper Presented	Title of the Seminars / Conferences	Name of the Institution
1.	R.Manimekalai	Role of Information Technology in Agriculture	National (Seminar)	P.G. College of Arts and Science, Namakkal on 22-01-2005
2.	R.Manimekalai	Role of Poultry Industry in India	International (Conference)	Adaikalamatha Institute of Management, Trichy on 21 - 22.09.2006
3.	R.Manimekalai	Impact of Global Financial Crisis on Labour Market in India	National (Seminar)	Selvam Arts and Science College, Namakkal on 11.10.2009
4.	R.Manimekalai	Impact of Global Financial Crisis on India	International (Seminar)	Gnanamani College of Management Studies, Namakkal On 12-10-2010
5.	Dr.K.Revathi	Global Warming and Its Impact.	National (Seminar)	Kundhavai Naachiyar Government Arts College for Women, (Autonomous) Thanjavur on 5 th October 2009
6.	Dr.K.Revathi	Cross Cultural Leadership.	International Conference	Holy Cross College, (Autonomous) Trichy on 6 th & 7 th October 2009
7.	Dr.K.Revathi	A Study on the Socio Economic Conditions of Landless Agricultural Labourers in Udayarpalayam Taluk of Ariyalur District.	Annual Conference	XXX Annual Conference of Association of Economists of Tamil Nadu at National College (Autonomous), Trichy on 9 th & 10 th January 2010
8.	Dr.K.Revathi	Global Financial Crisis And its Impact on India	National Seminar	Bishop Heber college, (Autonomous) Trichy on 3 rd February 2010
9.	Dr.K.Revathi	Impact of Climate Change on Water Resources.	National Conference	St Joseph's College (Autonomous) Trichy on 5 th & 6 th March 2010.

10	Dr. T.Porselvi	Mobile based health care in rural India"	International (Conference)	Annai Mathammal sheela Engineering College, Namakka 9th October 2009
11	Dr. T.Porselvi	Agricultural Labour in India"	National Seminar	Selvam Arts & Science College, Namakkal on 11-10-2009
12	Dr. T.Porselvi	Non Conventional Energy and Rural Energy Planning Programme"	National Seminar	Kundhavi Naachiyar Government Arts College for Women (Autonomous) Thanjavur. 5th October 2009
13	Dr. T.Porselvi	Factor and Multiple Regression Analysis for Human Fertility in Namakkal District"	National Seminar	Rajah Serfoji Government College, Thanjavur on 5th October 2009
14	Dr. T.Porselvi	Women's Health in India"	National seminar	Rajah Serfoji Government College, Thanjavur. 11th & 12th November 2009
15	Dr. T.Porselvi	Financial Development in India"	XXX Annual Conference of Association of Economists of Tamil Nadu	National College (Autonomous) Trichy. 9th & 10th January 2010
16	Dr. T.Porselvi	Eco- Economic and Eco-Critical Issues	National seminar	St. Joseph's College (Autonomous) Trichy. on 5th & 6th March 2010
17	Dr. T.Porselvi	Empowerment of women for Health Development A Global perspective"	National seminar	NGM College. Pollachi on 11th & 12th March 2010

ANNEXURE-II**Dr. T.Porselvi List M.Phil- Candidates Guided and Title of the Project**

S. No.	Name of the Candidate	Topic	Year of Project completed
1.	C.Selvakumar	A Study on the Self Help Group in Erumapatti Panchayat at Namakkal District	August 2007
2.	B.Jayanthi	Socio-Economic Condition of Women Self Help Group Members in Thuraiyur Town, Trichy District	October 2007
3.	N.Thilagavathi	A Study on the performance of singlanthapuram co-operative Bank at Thuraiyur Taluk	August 2007
4.	P.Kumar	A Study on the landless Agricultural Labourers in Koppampatti village of Thuraiyur Taluk	August 2007
5.	C.Sathivel	A Study on the Labour Welfare Measures in the Textile Industry in Karur District	2008

Dr. Revathi - List of Ph.D. Candidates Guiding and Title of the Thesis

S. No.	Name of the Staff	Name of the Candidate	Topic	Month & Year of Registration
1.	Dr.K.Revathi	R.Manimekalai	Economics of Poultry Farming in Namakkal District, Tamil Nadu	April 2006.Submitted thesis awaiting for the Viva-voce examination
2.	Dr.K.Revathi	P.Hema	A Study of Economic Empowerment of Women Through Self-Help Groups in Trichirapalli District, Tamil Nadu	October 2006
3.	Dr.K.Revathi	S.Janaki	A Study on Womens Self-Help Groups in Lalgudi and Manachanallur Taulk in Tiruchirapalli District in Tamil Nadu	January 2007. Submitted thesis awaiting for the Viva-Voce examination
4.	Dr.K.Revathi	V.Periyasamy	Economics Of Tourism with special Reference to Tamil Nadu"	January 2007.
5.	Dr.K.Revathi	R.Poongodi	Economics of Women Construction workers with special reference to Thuraiyur Taulk in Trichirapalli District,Tamil Nadu"	April 2007.
6.	Dr.K.Revathi	R.Geetha	A Study on Women Agricultural Labourers in Thuraiyur Taulk in Trichirapalli District, Tamil Nadu"	January 2008.
7.	S.Janaki	N.Ranganayaki	A Study on the Impact of Training on Employees in SRI RAM FIBRES(SRF)Ltd., at Viralimali, Pudukottai District, Tamil Nadu"	July 2008.
8.	S.Janaki	D.Maheswari	Economics Of Women Entrepreneurs in Tiruchirappalli District, Tamil Nadu" S.Janaki	July 2008.

ANNEXURE-III**Details of Publications**

S. No.	Name of the Staff	Title of the Paper Published	Name of the Book / Journals	Published by
1.	R.Manimekalai	Status of Women in India	Empowerment of Women in India(Book)	New Century Publications, New Delhi 2008, ISBN 13-978-817708-155-8, ISBN 10-817708-155-1
2	R.Manimekalai	Poultry Farming Employment Potential	Facts for You	June 2010 ISSN-0970-2652
3	R.Manimekalai	Impact of Global Recession on India	Global Recession and Indian Economic Development(Book)	July 2010 ISSN-978-81-7708-230-2.
4.	R.Manimekalai	Is Poultry Business Worth Doing	Facts for You	October 2010 ISSN-0970-2652
5.	Dr.K.Revathi	A study of Area, Production and Productivity of Major Crops in Tiruchirapalli District"	Indian Journal of Science Arts and Commerce	Vol. 1, No. 2 April 2005 September 2005
6.	Dr.K.Revathi	Focus on Agricultural SectoEmployment Potential	Kisan World	April 2005
7.	Dr.K.Revathi	Child Labour & its Problems	Kisan World	Vol 33,No4, April 2006 ISSN 0971-9229
8.	Dr.K.Revathi	Self Help Groups Promote Growth	Kisan World	Vol 33, No 8, August 2006 .ISSN 0971-9229
9.	Dr.K.Revathi	Management of Water Resources	Kisan World	Vol 33, No 9, September 2006 .ISSN 0971-9229
10.	Dr.K.Revathi	Impact of Environmental Pollution on Health	Kisan World	Vol 33,No 10, October 2006 ISSN 0971-9229
11.	Dr.K.Revathi	Impact of Globalisation of the Banking Sector	Facts For You	Vo 27 No 2 March 2007 .ISSN-0970-2653
12.	Dr.K.Revathi	Grameen Bank A Nobel Winning Concept	Kisan World	Vol 34, No 3, .ISSN 0971-92 March 200729
13.	Dr.K.Revathi	Genesis of Value Added Tax and its Importance	Facts For You	Vol 27 No 6 March 2007 .ISSN 0970-2653
14.	Dr.K.Revathi	Neither Supportive Nor Affected Budget, Who Gained"	Southern Economist	Vol 45, No 22, March 15, 2007 ISSN 0038-4046
15	Dr.K.Revathi	Banks with New Approach	Kisan World	Vol 34, No 5, May 2007 .ISSN 0971-9229
16	Dr.K.Revathi	Micro Finance; A Tool for Poverty Alleviation	Facts For You	Vo 27 No 6 August 1, 2007 .ISSN0970-2653

17	Dr.K.Revathi	SAARC – An Economic Bridge for the Economy	Southern Economist,	Vol 46, No 7, August 1, 2007 .ISSN 0038-4046
18	Dr.K.Revathi	Relevance of Wholesale and Consumer Price Indices in Measuring the Rate of Inflation”	Facts For You	Vo 27 N 7o.6, September 2007 ISSN 0970-2653
19	Dr.K.Revathi	Budget with a Humane Approach	Southern Economist	Vol 46, No 22, March 15, 2008 issue.ISSN 0038-4046
20	Dr.K.Revathi	Detergent Powder Consumption in Trichy and Thuraiyur	Kisan World	Vol 35, No4, .ISSN 0971-9229 April 2008
21	Dr.K.Revathi	“Budget 2008 – 09 with a Humane Approach”	Kisan World	Vol.35,No.6,June 2008, ISSN-0971-9229
22	Dr.K.Revathi	Unabated Inflation and the Counter Check”	Kisan World	Vol 35,No 8, June 2008 ISSN 0971-9229
23.	Dr.K.Revathi	Issues and Challenges in Indian Banking	Facts For You	Vol 28, No 12, September 2008 ISSN-0970-2653
24.	Dr.K.Revathi	FDI in the Retail Sector –Indian Context Review	FDI & RETAIL SECTORS IN INDIA	Dominant Publishers, New Delhi,1 st Edition,2008. ISBN 81-7888-611-1
25.	Dr.K.Revathi	“Are Women Empowered Through Globalization ?”	Kisan World	Vol..36, No. 8, August 2009
26.	Dr.K.Revathi	Global warming and its impact”	Environment and Sustainable Development (Book)	Print magic Publishers, Thanjavur,1 st Edition, February 2010 .ISBN 978-93-80236-18-6.
27.	Dr.K.Revathi	Bio-Tech Agricultural Methods”	Kisan World	Vol 37,No 12, December 2010, ISSN 0971-9229.
28.	Dr.K.Revathi	A study on the Socio Economic Conditions of Landless Agricultural Labourers in Udayarpalayam Taluk of Ariyalur District	Peninsul Economist	Vol XX11,No 1, 2009-10 ISSN 0976-8270.
29.	Dr.K.Revathi	Women Empowerment Through Self-Help Groups(SHG) –Astudy in Tiruchirapalli District in Tamil Nadu	Book :Kalaingar Valar Tamil -2010	Kalaingar Valartamil Maiyam, Bharathidasan University, Tiruchirapalli 1 st Edition January 2011, .ISBN 978-81-9080.
30.	Dr.K.Revathi	Access To Safe Drinking Water	Kisan World	Vol 38, No 3, 1, ISSN 0971-9229. March 2011
31.	Dr.K.Revathi	Water Management :Future Perspectives	Kisan World	Vol 38, No 3, ISSN 0971-9229. March 2011

32.	Dr.K.Revathi	The Impact of Climate Change on Water Resources	Book titled "Climate Economics Impact & Assessment of Climate Change"	Edition 2011, ISBN 978-93-80642-20-8, Dominant Publishers, New Delhi.
33.	Dr.K.Revathi	Empowerment of Women Through SHG Concept	Book titled "Women Empowerment With Special Reference to Rural Economy"	Edition 2011, ISBN 978-81-907949-9-2, Sri Murugan Publications. Thanjavur.
34.	Dr.K.Revathi	FDI A Boon Or A Bane"	Facts For You.	Vol 31, No 7, ISSN 0970-2653 April 2011
35.	Dr.K.Revathi	Water Management A Need Of The Hour	Facts For You	Vol 31, No 8, ISSN 0970-2653. May 2011
36.	Dr.T.Porselvi	A status of women Entrepreneurs	Women Empowerment	March 2008
37.	Dr.T.Porselvi	Women's Health in India"	Book: Health Economics And Management.	March 2008 ISBN No.978-93-80449-19-7, TISSL International publication.
38.	Dr.T.Porselvi	Factor and Multiple Regression Analysis for Human Fertility in Namakkal District"	Book: Business Analytics and Economics Intelligence	1, March 2010, ISBN No 978-93-80449-11-1 Tissl International Publication
39.	Dr.T.Porselvi	Rural Health Scenario In India"	Book: International Journal of Applied Management Research	December 2010, ISSN:09748709 Volume:2, Tissl International Publication
40.	Dr.T.Porselvi	Financial Development In India" Sustainable Agriculture: Critical challenges facing the Structure and Function of Agricultural Research and Education in India".	Book: Peninsular Economist,	March 2010 ISSN 0976-8 Manomaniam Sundaranar University, Tirunelveli 18 th and 19 th
41.	Dr.K.Karunaharan	Neithal Thinai - Neelappuratchiyum Thamizhaga Kadalpura Maaruthalgalum"	Samooga Vignyanam (a Tamil Journal)	March - May 2008 & June - August 2008 Malar 5, Idhal 19, in Malar 5, Idhal 20,

ANNEXURE-IV**Details of the Courses attended**

S. No.	Name of the Staff	Title of the course	Duration	Name of the Intuition
1.	R.Manimekalai	Orientation Course	09-11-2005 to 06-12-2005	Bharathidasan University
2.	R.Manimekalai	Refresher Course	01-08-2008 to 21-08-2008	Academic Staff College, Bharathidasan University, Trichy.
3.	K. Revathi	Refresher Course	13.11.2007 to 03.12.2007	Bharathidasan University, Trichy.
4.	T.Porselvi	Orientation course	16.12.2008 to 12.01.2009	Bharathidasan University, Trichy.
5.	T.Porselvi	Refresher course	09.06.2011 to 29.06.2011	Bharathiar University, Coimbatore
6.	K.Karunakaran	Refresher Course	02.08.2011 to 22-08-2011	Bharathidasan University Trichy.,
7.	K.Karunakaran	Orientation course	03.11.2009 to 30.11.2009	Bharathidasan University Trichy.

Workshop organized

Name of Workshop Organised	Place	Sponsored by	Duration/Date
Women Empowerment Through Self Help Group	Nehru Memorial College (Autonomous) Puthanampatti	Syndicate Bank Puthanampatti Branch in association with Economics Department	One Day 22-11-2011

Details of the Workshops attended

Name of the Staff	Name of the Seminar/Conference/Workshops	Title of the Paper/Workshop attended	Conducted by	Name of the Institution	Duration / Date
R.Manimekalai	Five- Day- Workshop (Participated)	Capacity Building of Women Managers in Higher Education	Centre for Women's Studies,Barathidathan University, Trichy-23	National Institute of Technology, Thuvakudi	24-03-2008 to 28-03-2008
R.Manimekalai	One-Day- Workshop (Organised and Participated)	Women Empowerment for Self Help Group	Department of Economics of our College in association with Syndicate Bank, Puthanampatti Branch	Nehru Memorial College, Puthanampatti	22-11-2011
Dr.K.Revathi	Five- Day- Workshop (Participated)	Capacity Building of Women Managers in Higher Education	Centre for Women's Studies,Barathidathan University, Trichy-23	Bharathidasan University, Trichy	15 th To 19 th March 2010.
Dr.K.Revathi	One-Day- Workshop (Organised and Participated)	Women Empowerment for Self Help Group	Department of Economics of our College in association with Syndicate Bank, Puthanampatti Branch	Nehru Memorial College, Puthanampatti	22-11-2011
Dr.T.Porselvi	One-Day- Workshop (Organised and Participated)	Women Empowerment for Self Help Group	Department of Economics of our College in association with Syndicate Bank, Puthanampatti Branch	Nehru Memorial College, Puthanampatti	22-11-2011
Dr.K.Karunaharan	One-Day- Workshop (Organised and Participated)	Research Methodology in Economics	Department of Economics National College, Tiruchirappalli-2	National College, Tiruchirappalli-2	29.01.2009.
Dr.K.Karunaharan	Five-Day- Workshop (Participated)	Re incorporating the Excluded: Providing Space for Small-Scale fishers in the Sustainable Development of Fisheries of South Africa and South Asia	Department of Geography, University of Jaffna, Sri Lanka.	University of Jaffna, Sri Lanka.	17.01.2011 to 23.01.2011.
Dr.K.Karunaharan	One-Day- Workshop (Participated)	Sensitization of Social Exclusion and Inclusive Policy"	Centre for Study of Social Exclusion and Inclusive Policy, Bharathidasan University, Tiruchirappalli-23	Bharathidasan University, Tiruchirappalli-23	18.11.2008.

**23. Dr. T.Porselvi List M.Phil. - Candidates Guided and
Title of the Project**

S. No.	Name of the Candidate	Topic	Year of Project completed
1.	C.Selvakumar	A Study on the Self Help Group in Erumapatti Panchayat at Namakkal District	August 2007
2.	B.Jayanthi	Socio-Economic Condition of Women Self Help Group Members in Thuraiyur Town, Trichy District	October 2007
3.	N.Thilagavathi	A Study on the performance of singlanthapuram co-operative Bank at Thuraiyur Taluk	August 2007
4.	P.Kumar	A Study on the landless Agricultural Labourers in Koppampatti village of Thuraiyur Taluk	August 2007
5.	C.Sathivel	A Study on the Labour Welfare Measures in the Textile Industry in Karur District	2008

Dr.Revathi - List Ph.D. Candidates Guiding and Title of the Project

S. No.	Name of the Staff	Name of the Candidate	Topic	Month & Year of Registration
1.	Dr.K.Revathi	R.Manimekalai	Economics of Poultry Farming in Namakkal District, Tamil Nadu	April 2006.Submitted thesis awaiting for the Viva-voce examination
2.	Dr.K.Revathi	P.Hema	A Study of Economic Empowerment of Women Through Self-Help Groups in Trichirapalli District, Tamil Nadu	October 2006
3.	Dr.K.Revathi	S.Janaki	A Study on Womens Self-Help Groups in Lalgudi and Manachanallur Taulk in Tiruchirapalli District in Tamil Nadu	January 2007.Submitted thesis awaiting for the Viva-Voce examination

4.	Dr.K.Revathi	V.Periyasamy	Economics Of Tourism with special Reference to Tamil Nadu"	January 2007.
5.	Dr.K.Revathi	R.Poongodi	Economics of Women Construction workers with special reference to Thuraiyur Taulk in Trichirapalli District,Tamil Nadu"	April 2007.
6.	Dr.K.Revathi	R.Geetha	A Study on Women Agricultural Labourers in Thuraiyur Taulk in Trichirapalli District, Tamil Nadu"	January 2008.
7.	S.Janaki	N.Rnganayaki	A Study on the Impact of Training on Employees in SRI RAM FIBRES(SRF)Ltd., at Viralimali, Pudukottai District, Tamil Nadu"	July 2008.
8.	S.Janaki	D.Maheswari	Economics Of Women Entrepreneurs in Tiruchirappalli District, Tamil Nadu" S.Janaki.	July 2008.

24. DETAILS OF THE PAPER PUBLISHED

S. No.	Name of the Staff	Title of the Paper Published	Name of the Book /Journals	Published by
1.	R.Manimekalai	Status of Women in India	Empowerment of Women in India(Book)	New Century Publications, New Delhi 2008, ISBN 13-978-817708-155-8, ISBN 10-817708-155-1
2.	R.Manimekalai	Poultry Farming Employment Potential	Facts for You	June 2010 ISSN-0970-2652
3.	R.Manimekalai	Impact of Global Recession on India	Global Recession and Indian Economic Development(Book)	July 2010 ISSN-978-81-7708-230-2
4.	R.Manimekalai	Is Poultry Business Worth Doing	Facts for You	October 2010 ISSN-0970-2652
5.	Dr.K.Revathi	A study of Area, Production and Productivity of Major Crops in Tiruchirapalli District"	Indian Journal of Science Arts and Commerce	Vol. 1, No. 2 April 2005 – September 2005
6.	Dr.K.Revathi	Focus on Agricultural SectoEmployment Potential	Kisan World	April 2005

7.	Dr.K.Revathi	Child Labour & its Problems	Kisan World	Vol 33,No4, April 2006 ISSN 0971-9229
8.	Dr.K.Revathi	Self Help Groups Promote Growth	Kisan World	Vol 33, No 8, August 2006. ISSN 0971-9229
9.	Dr.K.Revathi	Management of Water Resources	Kisan World	Vol 33, No 9, September 2006. ISSN 0971-9229
10.	Dr.K.Revathi	Impact of Environmental Pollution on Health	Kisan World	Vol 33,No 10, October 2006 ISSN 0971-9229
11.	Dr.K.Revathi	Impact of Globalisation of the Banking Sector	Facts For You	Vo 27 No 2 March 2007. ISSN-0970-2653
12.	Dr.K.Revathi	Grameen Bank A Nobel Winning Concept	Kisan World	Vol 34, No 3, .ISSN 0971-92 March 200729
13.	Dr.K.Revathi	Genesis of Value Added Tax and its Importance	Facts For You	Vol 27 No 6 March 2007. ISSN 0970-2653
14.	Dr.K.Revathi	Neither Supportive Nor Affected Budget, Who Gained”	Southern Economist	Vol 45, No 22, March 15, 2007 ISSN 0038-4046.
15.	Dr.K.Revathi	Banks with New Approach	Kisan World	Vol 34, No 5, May 2007. ISSN 0971-9229
16.	Dr.K.Revathi	Micro Finance; A Tool for Poverty Alleviation	Facts For You	Vo 27 No 6 August 1, 2007. ISSN0970-2653
17.	Dr.K.Revathi	SAARC – An Economic Bridge for the Economy	Southern Economist,	Vol 46, No 7, August 1, 2007. ISSN 0038-4046.
18.	Dr.K.Revathi	Relevance of Wholesale and Consumer Price Indices in Measuring the Rate of Inflation”	Facts For You	Vo 27 N 7o.6, September 2007 ISSN 0970-2653
19.	Dr.K.Revathi	Budget with a Humane Approach	Southern Economist	Vol. 46, No 22, March 15, 2008 Issue. ISSN 0038-4046
20.	Dr.K.Revathi	Detergent Powder Consumption in Trichy and Thuraiyur	Kisan World	Vol. 35, No4, ISSN 0971-9229 April 2008
21.	Dr.K.Revathi	“Budget 2008 – 09 with a Humane Approach ”	Kisan World	Vol.35,No.6,June 2008, ISSN-0971-9229
22.	Dr.K.Revathi	Unabated Inflation and the Counter Check”	Kisan World	Vol. 35, No. 8, June 2008. ISSN 0971-9229
23.	Dr.K.Revathi	Issues and Challenges in Indian Banking	Facts For You	Vol. 28, No. 12, September 2008 ISSN-0970-2653
24.	Dr.K.Revathi	FDI in the Retail Sector –Indian Context Review	FDI & RETAIL SECTORS IN INDIA	Dominant Publishers, New Delhi, 1 st Edition, 2008. ISBN 81-7888-611-1
25.	Dr.K.Revathi	“Are Women Empowered Through Globalization?”	Kisan World	Vol..36, No. 8, August 2009

26.	Dr.K.Revathi	Global warming and its impact”	Environment and Sustainable Development (Book)	Print magic Publishers, Thanjavur, 1 st Edition, February 2010 ISBN 978-93-80236-18-6.
27.	Dr.K.Revathi	Bio-Tech Agricultural Methods”	Kisan World	Vol. 37, No 12, December 2010, ISSN 0971-9229.
28.	Dr.K.Revathi	A study on the Socio Economic Conditions of Landless Agricultural Labourers in Udayarpalayam Taluk of Ariyalur District	Peninsul Economist	Vol XX11, No 1, 2009-10 ISSN 0976-8270
29.	Dr.K.Revathi	Women Empowerment Through Self-Help Groups(SHG) – A study in Tiruchirapalli District in Tamil Nadu	Book :Kalaingar Valar Tamil -2010	Kalaingar Valartamil Maiyam, Bharathidasan University, Tiruchirapalli 1 st Edition January 2011, ISBN 978-81-9080.
30.	Dr.K.Revathi	Access To Safe Drinking Water	Kisan World	Vol. 38, No. 3, 1, ISSN 0971-9229. March 2011
31.	Dr.K.Revathi	Water Management :Future Perspectives	Kisan World	Vol. 38, No. 3, ISSN 0971-9229. March 2011
32.	Dr.K.Revathi	The Impact of Climate Change on Water Resources	Book titled “Climate Economics Impact & Assessment of Climate Change”	Edition 2011, ISBN 978-93-80642-20-8, Dominant Publishers, New Delhi.
33.	Dr.K.Revathi	Empowerment of Women Through SHG Concept	Book titled “Women Empowerment With Special Reference to Rural Economy	Edition 2011, ISBN 978-81-907949-9=2, Sri Murugan Publications. Thanjavur.
34.	Dr.K.Revathi	FDI A Boon Or A Bane”	Facts For You.	Vol 31, No 7, ISSN 0970-2653 April 2011
35.	Dr.K.Revathi	Water Management A Need Of The Hour	Facts For You	Vol 31, No 8, ISSN 0970-2653. May 2011
36.	Dr.T.Porselvi	A status of women Entrepreneurs	Women Empowerment	March 2008
37.	Dr.T.Porselvi	Women’s Health in India”	Book: Health Economics And Management.	March 2008 ISBN No.978-93-80449-19-7, TISSL International publication.

38.	Dr.T.Porselvi	Factor and Multiple Regression Analysis for Human Fertility in Namakkal District"	Book: Business Analytics and Economics Intelligence	1, March 2010, ISBN No 978-93-80449-11-1 Tissl International Publication
39.	Dr.T.Porselvi	Rural Health Scenario In India"	Book: International Journal of Applied Management Research	December 2010, ISSN:09748709 Volume:2, Tissl International Publication
40.	Dr.T.Porselvi	Financial Development In India" Sustainable Agriculture: Critical challenges facing the Structure and Function of Agricultural Research and Education in India".	Book: Peninsular Economist	March 2010 ISSN 0976-8 Manomaniam Sundaranar University, Tirunelveli 18 th and 19 th
41.	Dr.K.Karunaharan	Neithal Thinai - Neelappuratchiyum Thamizhaga Kadalpura Maaruthalgalum"	Samooga Vignyanam (a Tamil Journal)	March - May 2008 & June - August 2008 Malar 5, Idhal 19, in Malar 5, Idhal 20,

DEPARTMENT OF ENGLISH

1. *Faculty profile, adequacy and competency of faculty*

The sanctioned staff strength of the department is four. Now there are two regular staff members. The composition of the staff members includes, HOD, One Associate Professor, two lecturers in Self-Financing stream. All the faculty members are qualified with M.Phil. Degree, one staff member has qualified himself with UGC-NET Lectureship exam and one staff member has acquired Ph.D. Degree.

2. *Students profile according to programmes of study, gender/ region*

The department has a students' strength of 120 for the year 2010-11. Among them three-fourth students are women. The participation of women students is on the rise from the local areas as well as outside.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes*

The department has introduced innovative and utility oriented courses for UG students under CBCS Pattern. All the teachers were involved in the curriculum designing.

4. *Trends in the success rate and drop out rate of students during the last five years*

The success rate of U.G. is above 90 percent. The drop out rate is 1%.

Success Rate

Year of Exam	UG Part II English	
	I Year	II Year
Nov 2007	83%	99%
Apr 2008	94%	98%
Nov 2008	99.5%	99.8%
Apr 2009	99.4%	99%
Nov 2009	99%	99.8%
Apr 2010	99%	99%
Nov 2010	99.5%	99%
Apr 2011	99.5%	99.8%

5. *Learning resources of the department like library, computers, laboratories and other such resources*

The department library consists of 50 books. The books are lent to both staff and students. The department is equipped with two computers (one desk top and one laptop) with internet facility and a laser printer. Besides this, the department has a Liquid Crystal Displayer for making power point presentations. Students are utilizing the facilities during their leisure hours.

6. *Enhancement of the learning resources during the past five years*

Students are supplied with study materials for the prescribed syllabus and for the Bridge Intensive course in English conducted at the beginning of the academic year.

7. *Modern Teaching methods in practice other than the lecture method*

Computers are used to teach the lessons in power point presentations and video clippings are used to illustrate the key points of the lessons.

8. *Participation of teachers in academic and personal counseling of students*

Every class is assigned with a Staff in charge. Tutorial classes are held regularly at the beginning and end of every semester to counsel the students. Slow learners are identified based on their performance in class tests. The learning disabilities are removed by conducting remedial classes. Students are encouraged to participate in seminars, inter collegiate competitions, workshops and quiz programme organized by Universities and colleges. We display the news items regarding language learning and the latest employment opportunities and career development programmes published in the leading dailies in our department notice board.

9. *Details of faculty development programmes and teachers who benefited during the past five years*

One staff member has attended Refresher course sponsored by UGC. Our staff members have been attending National / International seminars / conferences regularly.

10. *Participation of teachers in academic activities other than teaching and research participation in Seminars*

Faculty members serve as examiners in various universities and autonomous colleges of Tamilnadu. Two members serve as members of the Board of Studies of English in other colleges and universities.

11. *Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.*

The department has formed a literary and debating society called "The Lyceum of NMC" for promoting higher order thinking skills and creativity of the learners. In 2009, Prof Dr A. Noel Joseph Irudayaraj, Professor and Chair, School of English and Foreign Languages, Bharathidasan University, Tiruchirappalli inaugurated the society delivered a series of lectures for the benefit of the students.

12. *If research is a significant activity, what are the thrust areas of the department*

Though the department does not have PG programme, the faculty members are actively involved in the research activities by way of participating in seminars/conferences and publishing articles.

13. *Details of the ongoing projects and projects completed during the last five years*

Nil

ii. Details of the ongoing Major Research Projects.

Nil

14. Publications of the faculty for the past years. Details regarding citation index and impact factor

Two articles have been published in journals by the faculty members.

15. Participation of the department in the extension activities of the college.

The faculty members take active participation in compilation of the College Magazine, conduct of the Annual Sports Meet and college Day celebrations. Mr K T Tamilmani has served as the NCC officer between 2003 and 2009.

16. Method of continuous assessment

Two periodical CIA (Continuous Internal Assessment) tests are being conducted by the department in every semester. Two composition exercises are given and the student attendance is regularly monitored by the teachers to assess the students' performance. Internal Assessment mark is awarded as per the following guidelines:

<i>Name of the Exercise</i>	<i>No. of times</i>	<i>Marks allotted</i>	<i>Conversion of Marks for the calculation of CIA</i>
Composition	Two	$2 \times 10 = 20$	5 Marks
Test	Two	$2 \times 25 = 50$	10 Marks
Rehearsal Exam	One	$1 \times 75 = 75$	10 Marks
Total			25 Marks

17. Placement record of the past students and the contribution of the department to the student placements.

Mr K T Tamilmani has conducted classes for the PG students (M.Sc Physics and MCA) on “How to face the job interview” and “How to participate in the Group Discussion” successfully.

18. Significant achievements of the department or faculty or students during the past five years

- a) The department has conducted a three-day National Seminar on “The Why, What and How of Grammar Teaching” sponsored by UGC during Feb 2010.
- b) The department has introduced a unique syllabus focusing on the Indian culture and Indian society depicted in the writings of the celebrated Indian writers to teach Part II English Language courses.
- c) Students have been trained to do well in the literary competitions held in other colleges. They have bagged significant prizes in such competitions.
- d) Mr K T Tamilmani has received the merit certificate for Best NCC officer in the Trichy Group NCC in 2008.

19. Involvement of students in academic / co-curricular and other activities of the department

Students are actively involved in arranging and organizing the various meetings periodically in the Department. A literary and debating society called ‘The Lyceum of NMC’ is formed in order to hone the speaking as well thinking skills of the students. The society has conducted 15 special lectures by external experts for the benefit of its members.

20. *Innovations and best practices initiated/ adopted by the departments during the last five years*

- a) More representation is given for External Experts/Members for the betterment of the curriculum
- b) Syllabus Designing is carried out in various stages for fine-tuning the components

21. *Development and expansion plans of the department for the next five years.*

- a) It is proposed to provide ICT (Information and Communication Technology) enabled learning environment for the students in every class.
- b) It is proposed to convert the department to PG and Research Department at the earliest opportunity.

22. *Any other highlights*

The department conducts a week-long Bridge Intensive Course in English every year for the first year students.

DEPARTMENT OF HOTEL MANAGEMENT

1. *Faculty profile, adequacy and competency of faculty*

The faculty strength of the department is 3. All the members of the department are qualified with M.Sc. Hotel Management.

2. *Student profile according to Programmes of study, gender, region etc*

The department offers B.Sc. Hotel Management programme for boys and girls. Students join from various parts of Tamilnadu and Pondicherry.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.*

Under Autonomy, members of the faculty are part of the Board of Studies and the syllabus was first framed in 2004 under Choice Based Credit System (CBCS). It was then revised in 2006 and 2011 with the changes in the courses and course contents. Faculty Members contributed to the changes and it was approved by the Board of Studies and subsequently by Academic Council.

4. *Trend in the success rate and drop out rate of students during the last five years.*

Success Rate of Students

Batch 2007 – 2008	100%
Batch 2008 – 2009	100%
Batch 2009 – 2010	100%

Drop Out Rate of Students

Batch 2007 – 2008	Nil
Batch 2008 – 2009	Nil
Batch 2009 – 2010	20%

5. *Learning resources of the department like library, computers, laboratories and other resources*

The Department houses a Library for the students and faculty with 347 books, journals and periodicals under **UGC-INFONET Program**. There are four computer systems with latest configuration and multi-media facility including a Printer. **24 x 7 laboratory facilities** are open for the students to learn and practise various advanced concepts. **Lap - Tops** for the use of Students and Faculty for presentation in class-rooms and Seminar Hall are available. The Department includes the laboratory facilities exclusively for Food Production, Front office, House keeping, Bakery and Confectionary.

6. *Enhancement of the learning resources during the past five years*

The institution has established a well furnished Seminar Hall with permanently installed LCD Projector, mounted pull-down screen, audio - amplifier and speaker. New books and titles are added every year as and when necessary.

7. *Modern teaching methods in practice other than lecture methods.*

Multi-media based presentation using computer graphics through LCD projector system is used. On-line presentations and streaming videos on various areas relevant to the curriculum is effectively carried out in the classrooms.

8. *Participation of teachers in academic and personal counseling of students.*

Tutorial classes will be held regularly at the beginning and end of the every semester to counsel the students, slow learners are identified based on their performance in class and tests. The learning disabilities are removed by conducting classes.

9. *Details of faculty development programmes and teachers who benefited during the past five years*

Orientation programs are conducted by the college management at the beginning of every academic year to refresh and empower the teaching methodology.

10. *Participation of teachers in academic activities other than teaching and research.*

The Head of the Department is the member of the Academic council. All the members of the faculty are **members in the Board of Studies** to frame and update the syllabi to meet the demands of the society. Faculty members are serving as question paper setters and examiners in universities and autonomous colleges.

11. *Collaboration with other departments and institutions at the national and international level and their outcome during the past five years.*

Nil

12. *If research is a significant activity, what are the thrust areas of the department?*

Nil

13. *Details of the ongoing projects and projects completed during the last five years.*

Nil

14. *Publications of the faculty, for the past five years, Detail regarding citation index and impact factor*

Nil

15. *Participation of the department in the extension activities of the college.*

Nil

16. *Method of continues student assessment.*

Students are continuously assessed through regular assignments (5 marks), two internal test (10 marks) and rehearsal examination (10 marks).

17. *Placement record of the past students and the contribution of the department to the student placements*

Placement Officer co-ordinates with the department in passing the information regarding the placement and recruitments. The students are placed in the national level institutions.

18. *Significant achievements of the department or faculty or students during the past five years.*

Nil

19. *Involvement of students in academic / co-curricular activities of the department.*

Nil

20. *Innovations and best practices initiated / adopted by the departments during the last five years*

Nil

21. *Development and expansion plans of the department for the next five years.*

- a. Working area of the Laboratory is to be expanded for spacious accommodation of students with additional instruments.

- b. To apply for DBT sponsored lecture series.
- c. Workshops & Hands-on training on Food & Beverage.
- d. To conduct National / State Seminars.
- e. To introduce Review submission to evaluate Self-study Course at the IV semester.
- f. To conduct Students' Exchange program with other institution in and around the state for general awareness and skill development among students.
- g. To train students to attend interviews.
- h. Conducting Awareness programs to students at higher secondary levels to initiate an interest in the field of catering science.
- i. Conduct of Discussion Forum inviting faculty from different institution to discuss the recent trends in the field of Hotel Management and Catering Science.

22. Any other highlights

- 1. **Broad Band Internet Connectivity (1 Mbps).**
- 2. **Air - Conditioned** Laboratory facility.
- 3. **Department library** with e-books and CDs.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.*

- The non semester papers are changed as semester papers.
- C, C++ Theory and Labs are separated.
- MATLAB -Theory and Lab are introduced as SKBC.
- Fourier Transform is added to the Vector Calculus.
- Quotient spaces and linear transformation are added to Modern algebra.

All the faculty members have been involved in the revision of syllabus.

4. *Trend in the success rate and drops rate of students during the last five years.*

Success rate : UG : 90.8% PG : 95.7%

Drop out rate: UG : 07.2% PG : 3.6%

5. *Learning resources of the department like library, computers, laboratories and other such resources.*

Department Library: 172 Books

Computer : 3

Our students utilize the general computer center having nearly 55 systems for 5 hours in a week. Our students regularly visit our college library and refer the books to enrich their knowledge.

6. *Enhancement of the learning resources during the past five years*

Two Computers, Laser Printer, One Laptop and One LCD has been purchased.

7. *Modern Teaching Methods in practice other than the lecture method.*

Power Point Presentation through LCD.

Learning by encouraging *discussions* and visiting *library* will be used to provide understanding of the subject and to develop **creativity** among students. Teachers will play the role of facilitators and guide the students to develop and construct their own knowledge and wisdom along with the capability for *critical thinking, decision making* and learn the techniques of *self-learning*. The Department will provide opportunity for *mutual interaction between the teachers and the students* in the true sense thus developing *Self-confidence* amongst students. Individual attention will be paid towards all the students including the academically weak and the bright ones in the class room.

8. *Participation of teachers in academic and personal counselling of students.*

Every class is assigned with a staff-in-charge as tutor. Teachers participate in academic and personal counseling of students periodically and monitor their progress. The good learners are encouraged to achieve excellence, while the slow learners are given special attention to overcome their deficiencies.

9. *Details of faculty development programmes and teachers who benefited during the past five years.*

Orientation program attended : 3 faculty members

Refresher course attended : 2 faculty members

10. *Participation of teachers in academic activities other than teaching and research.*

Faculty members are also engaged in delivering lectures in the related areas in other colleges. Faculty members are also appointed as examiners and Question paper setters for other colleges.

11. *Collaborations with other department and institution at the national and international level and their outcome during the past five years.*

Nil

12. *If research is a significant activity, the thrust areas of the department.*

Stochastic Process.

13. *Details of the ongoing projects and projects completed during the last five years.*

Nil

14. *Publication of the faculty, for the past five years.*

Research Publications (last five Years)

International : 4

National : 14

Enclosed in the Annexure

15. *Participation of the department in the extension activities of the College.*

Students encouraged to take part in extension activities such as NSS, NCC, YRC of our college and also participate in various competitions in other colleges.

16. *Method of continuous student assessment.*

The Department has Semester Scheme with 25% component of marks as internal assessment. The continuous student assessment is based on class tests, seminars and assignments.

Assignment : 5 marks Internal test : 10 marks Rehearsal Exam : 10 marks

17. Placement record of the past students and the contribution of the department to the student placements.

Many of our outgone students are working as efficient lecturers and teachers in various institutions.

18. Significant achievements of the department or faculty or students during the past five years.

1. Rank Holder - April 2010 Selvi M. Vinothini secured 14th Rank in B.Sc., Mathematics of Bharathidasan University.
2. Mathematics students - 2008 batch have participated in "Training Program in Mathematics" conducted by Ramanujan School of Mathematics, Pondicherry University.
3. Mathematics students - 2009 batch have participated in "Advanced Training camp in Mathematics" conducted by Bharathidasan University
4. Mathematics students - 2010 batch have participated in "Advanced Training camp in Mathematics" supported by National Board for higher Mathematics
5. Mathematics students - 2010 batch have participated in a one day workshop on "Face the Future" sponsored by the UGC, conducted by our department.
6. Our faculty member Dr.V.Saavithiri is a senior member of Operational Research Society of India, Kolkota.

19. Plan of action of the department for the next five years.

1. Establishing a separate Computer Laboratory
2. Improve the computer skill of students
3. To establish Research Centre in Mathematics
4. To conduct Seminars, Conferences, Workshops, etc. for the benefit of faculty and students

21. Any other highlights.

Nil

ANNEXURE**Research Publications****Dr.V.Saavithiri**

S. No.	Name of the paper	Name of the Journal	Publication details	Year
1.	INTERNATIONAL HMM bases Financial Data Analysis	International Journal of Management	Vol 1, ISSN 0976-6502 152-159	2010
2.	NATIONAL Expected Time to Recruitment in an organization with 'n' parallel branches	Proceedings of UGC – SAP(DRS) Sponsored National Conference on Computing and Mathematical Modelling at Gandhigram Rural Institute – Deemed University, Gandhigram.	PP: 189-195	2005
3.	Expected Time to Recruitment for an Univariate Policy when Threshold distribution has SCBZ Property	Proceedings of Third National Conference on Mathematical and Computational Models, PSG College of Technology, Coimbatore.	PP:242-246	2006
4	Optimal Bivariate Policy of Recruitment in Man Power Planning	Acta Ciencia Indica	Vol: XXXII M, No. 4, 1699-1704	2006
5.	Mean and Variance of the Time for Recruitment in a Single Graded Manpower System Associated with a Bivariate Policy of Recruitment	Acta Ciencia Indica	Vol.XXXIV M.No.1,85	2008

Mrs.J.Geetha

“Optimal Reserve of semifinished product inbetween two machines in series”,
Ultra Science, Dec 2008 (page 659-662)

Mrs. K.Chitra

1. “New classes of graceful graphs”, Pacific-Asian Journal of Mathematics, Vol. 1 no’s: 1-2 (2008), p 195 – 199.
2. “Edge-Odd Graceful Labeling of the Complete Bipartite Graph”, Global Journal of Applied Mathematics & Mathematical Sciences (GJ-AMMS), Vol. 1, No.2, (July-December 2008), p 103-107.
3. “New classes of graceful graphs by merging a finite number of C_4 .” Acta Ciencia Indica, Vol. XXXIV M 2008 No. 2, p 959 – 965.
4. “Edge – Odd Graceful Graphs” Electronic Notes in Discrete Mathematics, Vol. 33(2009), p 15 - 20.
5. “Edge – Odd Graceful Graphs $P_2 (+) N_{2n}$ and $P_3 (+) N_{2n}$ ”, Acta Ciencia Indica, Vol. XXXV M 2009 No. 2, p 761 – 764.
6. “Edge – Odd Graceful labeling of the Graphs”, Antartica journal of Mathematics, Vol.6, 2009.
7. “Gracefulness of $n - Two$ cell polyominoe”, Applied Science Periodical in Vol. XII, No.4, and November 2010.
8. “Edge-Odd graceful labeling of some graphs”, Proceedings of the ICMCS, Loyola college, Chennai, Vol.1, 101-107(2008).
9. “Gracefulness of Merging $C(n,n-3)$ with a star graph”, Proceedings of the NCEOM, SRM University, Chennai, P.142-152(2008).
10. “Gracefulness of the graphs $P_2 (+) P_n$ and $P_3 (+) P_n$ ”, proceedings of the National Conference on Fuzzy Mathematics and Graph Theory, Jamal Mohamed College, Trichirappalli. GIGO Publishers ISBN: 81-88338-07 P.242-247(2008).
11. “Edge-Odd graceful labeling of graphs”, Proceedings of the ICMCS, Loyola college, Chennai, Vol.1, pp 21-23(2009).

12. *"Edge - Odd Graceful Graphs"* Graph Theory and its Application, Macmillan Publishers India Ltd, p 36 - 42(2009).
13. *"New Edge-Odd graceful graphs"*, Proceedings of the ICOMAC, Jamal Mohamed College, Trichirappalli, Allied publishers, P.137-141(2009).

DEPARTMENT OF PHYSICS

1. Faculty profile, adequacy and competency of faculty

The sanctioned staff strength of the department is twelve. Now there are eight staff members serving as regular staff. The composition of the staff members includes, HOD, Three Associate Professors, five Assistant Professors. There are 9 Assistant Professors in Self Financed stream. 13 faculty members are qualified with M.Phil. Degree and five faculty members have acquired Ph.D. Degree. There are 5 Ph.D. Research guides in the Department.

2. Students profile according to programmes of study, gender / region.

The department has an average students' strength of 256. Among them 178 students are women. The participation of women students is increasing from the local areas as well as outside.

3. Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes

The department has introduced innovative and utility oriented subjects for UG & PG students under CBCS Pattern. As the importance of Information and Communication Technology has been multiplying, the department has introduced basic computer application in order to equip the students with necessary computer knowledge so that they can be placed well. To meet current needs, Advanced Diploma in Instrumentation and Advanced Diploma in Electrical and Electronics equipment maintenance courses have been included in the curriculum. All the teachers were involved in the curriculum designing in the CBCS pattern.

4. Trends in the success rate and drop out rate of students during the last five years.

Success Rate

<i>Year of Examination</i>	<i>PG</i>	<i>UG</i>
April 2006	97%	83.6%
April 2007	94%	87.8%
April 2008	88%	76.5%
April 2009	86%	91%
April 2010	90%	90%

The dropout rate is about 2% (average)

5. Learning resources of the department like library, computers, laboratories and other such resources

The department library consists of 125 books. The department has 32 computers connected with internet facility, 3 printers, 1 laptop, 1 LCD projector. Students utilize the facilities during leisure hours.

6. Enhancement of the learning resources during the past five years

Department library is equipped with latest text books and reference books. Students are guided to use the study materials, Xerox copies, Newspapers advertisements appeared in connection with the subjects, Unit-wise test, Assignments. Staff members encourage the students to visit college library as well as department library and refer other related books.

7. Modern Teaching methods in practice other than the lecture method

Along with chalk and talk method our staff member use LCD Projector, OHP Projector and Laptop for teaching. Software packages like MATLAB, MOLVIB, and JCPDF X-Ray structure are used for research purposes.

8. *Participation of teachers in academic and personal counseling of students.*

Every class is assigned with a Staff in charge. They take care of Physics – major Students during the entire program period. He / She will take care of the Course Programme, attendance, activities of students, Counseling and Placements. Slow learners are identified on their performance in class tests. The learning disabilities are removed by conducting remedial classes. Students are encouraged to participate in seminars, inter collegiate competitions, workshops and quiz programme organized by Universities and colleges. We display the latest employment opportunities and student career development programmes in our department notice board.

9. *Details of faculty development programmes and teachers who benefited during the past five years*

Two staff members attended Orientation and Refresher courses sponsored by UGC. One staff attended Orientation programme sponsored by UGC. Three of our staff members attended National / International seminars (list enclosed).

10. *Participation of teachers in academic activities other than teaching and Research participation in Seminars*

Faculty members are serving as question paper setters and examiners in various universities and autonomous colleges of Tamilnadu. Two faculty members are acting as resource person for the contact programmes. One faculty member is serving as chairman of the question paper setting Board Physics in Bharathiyar University, Coimbatore and other faculty members are serving as members of the Board of Studies of Physics in our college. Staff

members are involved in extra curricular activities like NSS /NCC, Students' Union Council activities, Annual Day Celebrations, Convocation and Sports Day activities.

11. Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

Department has organised National Seminars on Recent trends in Non-Linear Dynamics in collaboration with S.N. Bose Institute of Mathematical Sciences, Kolkata. The department has conducted Extra ordinary meetings focussing on recent advances in Physics particularly Material Science, Crystal Growth, Non Linear Dynamics and Spectroscopy.

12. If research is a significant activity, what are the thrust areas of the department.

The faculty members are actively involved in the research activities. Two major research projects and two minor research projects are going on. The thrust areas are:

1. Crystal Growth and Characterization
2. Liquid Crystals
3. Biological Crystallization
4. Nano technology
5. Nonlinear Dynamics
6. Spectroscopy
7. Nonlinear Optical Crystals

13. Details of the ongoing projects and projects completed during the last five years.

Details of the Minor Research Projects

Name of the Staff	Title of the Project	Name of the funding Agency	Amount (in ₹)	Duration	Status
Dr. A.Rajendran	Design and Development of Micro controller Based Systems for Measurement of Nitrate ion Levels in Water Samples	UGC	70,000/-	2007-2008	Completed
Dr.S.Muthukumaran	Preparation and characterization of Mn incorporated zinc sulfide (ZnS) nanostructure	UGC	90,000/-	2008-2010	Completed
Dr. A.Venkatesan	Strange NonChaotic attractor in NonLinear Circuits	UGC	97,000/-	2010-2012	Ongoing

Details of the Major Research Projects

Name of the Staff	Title of the Project	Name of the funding Agency	Amount (in ₹)	Duration	Status
Dr.S.Kumararaman	Development of Growth Technology of LaMnO ₃ Crystals.	UGC	7,50,000/-	2007-2010	Completed
Dr.P.Palaniyandi	Nonlinear Dynamics	DST	2,15,000/-	2006-2009	Completed

14. Publications of the faculty for the past five years. Details regarding citation Index and impact factor.

A total of 78 articles published in books and journals by the faculty members. (List Enclosed) Impact factor 1.6.

15. Participation of the department in the extension activities of the college.

Faculty members are serving as NSS, YRC and Gender club Coordinators of our college and conducted free eye camp, Blood donation camp and First Aid Training Programme. Students also take part in the part-IV Extension activities of the college such as NSS, YRC and Gender club.

16. Method of continuous assessment

Three periodical CIA (Continuous Internal Assessment) tests are being conducted by the department in every semester. Three assignments are given and the student attendance is regularly monitored to assess the students.

Assignments/ Seminars : 5 marks

Class Tests (Best 2 from 3) : 10 marks

Rehearsal Examination : 10 marks

17. Placement record of the past students and the contribution of the department to the student placements.

Out of 11 Ph. D scholars in our department, eight of them have been selected for the post of Assistant Professors in various government colleges of Tamil Nadu through Teachers Recruitment Board and National Institute of Technology, Tiruchirappalli. Most of our M. Sc., Applied Physics students got placement in Indian oil companies, ISRO and other Electronic Instrumentation companies in India and abroad. About thirteen of our M. Sc., Physics students have joined various universities for carrying out research leading to Ph.D. degree. Our M.Sc. Student M. Vijayalakshmi got University First Rank with gold medal. Miss R. Kavitha of B.Sc. Physics got University fourth rank.

18. Significant achievements of the department or faculty or students during the past five years.

In the year 2005 our M.Sc., Students organized a seminar on the eve of National Science Day celebration. Students actively took part in various programs like poster presentation, Quiz and Painting Competitions.

Selvi. R. Nagalakshmi, an illustrious research scholar of Physics Department has visited Osaka University, Japan during June 2006 under Jawaharlal Nehru Memorial Visiting Fellowship for her doctoral research work. She pursued a detailed study in the Sasaki Laboratory on “Terahertz Spectroscopy” which is an emerging field of study. She has been granted a Visiting Fellowship by Jawaharlal Nehru Center for Advanced Scientific Research, Jakkur, Bangalore for this year. She has also been awarded Senior Research Fellowship by the CSIR, New Delhi. She is one of the probable candidates for the award of Post Doctoral Fellow at Tata Institute of Fundamental Research, Mumbai.

The III B.Sc. Student Selvi M. Geerthana got second prize in the Essay Writing Competition held at National College, Trichy on the eve of National Science Day Celebration during February, 2009. Our II M.Sc. students R. Sathyanarayanan, S. Kalaiselvan and P. Ramesh attended a 15 days Orientation Programme sponsored by Indian National Science Academy on “Experimental Physics” conducted by Bharathidasan University during March 2009. Our II M.Sc. students M. Vijayalakshmi and C. Lavanya received the Indira Gandhi Scholarship for single girl child by the UGC for this year. Both the students received a sum of ₹ 40,000/- each. 12 students of II M.Sc. class received E.V.R. Scholarship of ₹ 1,000/- each and Farmer’s scholarship of ₹ 3750/- each was awarded to 7 students of II M.Sc. class.

19. *Involvement of students in academic / co-curricular and other activities of the department.*

Students are actively involved in arranging and organizing the various meeting periodically in the Department. Students have participated in the workshops, Seminars and Entrepreneurial Development Training programme conducted within our college and outside the college.

20. *Innovations and best practices initiated / adopted by the departments during the last five years.*

The department adopts flexibility in designing the course structure in tune with the latest trends and technical advancements in the field concerned. The board of studies meeting was conducted regularly to take note of the current development and trends and suitable curriculum is designed and implemented. As a highlight of the innovative practice, the department introduced advanced practical based programmes on Microprocessor, Microcontroller and Instrumentation at UG and PG level. Feedback is obtained from the stakeholders and the curriculum is updated accordingly.

Right from its inception, the department has been doing yeoman service in the field of higher education to the needy and underprivileged sections of society. From the beginning, the department has been running a strong and vibrant UG and PG Programme. This is supported by the following facts

- ❖ The department has been consistently bagging more than 80 % results in successive university examinations.
- ❖ A good number of undergraduate and postgraduate students are selected every year for presentation of papers, student projects in various seminars and conferences
- ❖ A substantial number of students get admission to Ph.D. programme in reputed institutions and Universities.
- ❖ A large number of students find placements in various companies.

21. *Development and expansion plans of the department for the next five years.*

- ✦ To organise International Conferences.
- ✦ To get more number of Minor/Major research Projects from reputed funding agencies
- ✦ To enhance the quality by establishing micro quality cell.

22. *Any other highlights*

The department has got DST-FIST Grant of ₹ 35.5 Lakhs for doing research and improvement of PG Programmes during the period 2009-2011.

Though teaching has been the mainstay of the department, it also pays attention to the changing scenario and makes suitable additions / revisions / innovations in the curriculum.

ANNEXURE**Academic attainment of the Faculty members****Research Projects**

<i>Name of the Investigator</i>	<i>Title of the project and duration</i>	<i>Amount Sanctioned</i>	<i>Funding Agency</i>
Major Research Projects			
Dr. V. Krishnakumar	Heavy ion Irradiation Effects on NLO Crystals (2003-2006)	16,75,000	DRDO
Dr. S. Kumararaman	Growth and Characterization ... <i>LaMnO₃</i> crystals (2007-2010)	7,49,100	UGC
Minor Research Projects			
Dr. A. Rajendran	Design and Development of Micro controller Based Systems for Measurement of Nitrate ion Levels in Water Samples (2007-2009)	70,000	UGC
Dr. P. Palaniyandi	Stability of Synchronous Chaos and Generalized Turing Patterns in <i>P</i> -Neighbours Diffusive Coupled Dynamical Systems with their Applications to Image Compression (2008-2011)	2,10,000	DST
Dr. S. Muthukumar	Preparation and characterization of Mn incorporated zinc sulfide (ZnS) nanostructure (2008 - 2010)	90,000	UGC
Mrs.G.Thilagavathi	"Studies Growth and Characterization of some NLO Crystals by S-R Method."	1,10,000	UGC
Dr.A.Venkatesan	Strange non-choatic attractors in non linear circuits	1,10,000	UGC

Distinction earned by faculty members

1. Dr. P. Palaniyandi has been awarded Young Scientist under DST Fast track (2008).
2. Shri P. R. Venkatesh has been selected for INSA Teacher Visiting Summer Fellowship (2008).
3. Dr. R. Nagalakshmi, Research Associate of our department had been awarded Rajiv Gandhi fellowship to pursue research in Japan for three months (2006).
4. Mr.R.Gopal has been selected for INSA Teacher Visiting Summer Fellowship (2009).

Research activities of the faculty members

S. No.	Name and Designation	Major Area of Research	Ph. Ds Produced
1.	Dr. S. Kumararaman Reader and Head	Crystal Growth	5 Ph.Ds produced and 2 scholars pursuing.
2.	Dr.K. Gnanasekaran Lecturer (SG)	Liquid crystals	Seeking for Research guide-ship from Bharathidasan University
3.	Dr. A. Venkatesan Lecturer (SS)	Nonlinear Dynamics	2 scholars pursuing under his guidance.
4.	Dr. A. Rajendran Lecturer (SS)	Embedded system	2 scholars carrying out research under him.
5.	Dr. P. Palaniyandi Lecturer	Nonlinear Dynamics	Seeking for Research guide-ship from Bharathidasan University

Papers Published in the National and International Journals

Dr.S.Kumararaman

1. **S. Kumararaman** and S. Pari, *Growth and Spectral Investigations on Bi S Cl Crystals*, Bulletin of Electrochemistry, **29**, (2003).
2. R. Valluvan, K. Selvaraju and **S. Kumararaman** , *Studies on growth and characterization of meta nitro aniline crystals*, Materials Letters, **59**, 1173 (2005).
3. R. Valluvan, K. Selvaraju and **S. Kumararaman**, *Growth and characterization of sulphamic acid single crystals*, Materials Chemistry and Physics, **97** , 81 (2006).
4. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Experimental determination of metastable zonewidth, induction period and interfacial energy and growth of Hippuric acid single crystal*, Materials letters, **60**, 1549 (2006).
5. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Experimental determination of metastable zonewidth, induction period and interfacial energy and growth of L-Glutamic acid Hydrochloride single crystal*, Materials letters, **60**,1565 (2006).
6. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *New nonlinear optical material: Glycine Hydrofluoride*, Materials letters, **60**, 2848 (2006).
7. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Growth and characterization of new metal organic crystal: Pottasium thiourea iodide*, Materials letters, **60**, 3130 (2006).
8. K. Selvaraju, R. Valluvan, K. Kirubavathi and **S. Kumararaman**, *L Cystine Hydrochloride: A novel semi organic NLO material*, Optics Communications **269**, 230 (2007).
9. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *A new metal organic crystal: Pottassium thiourea Iodide*, Materials letters, **61**, 230 (2007).

10. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Investigations on the nucleation kinetics of L arginine acetate*, Materials letters, **61**, 3041 (2007).
11. K. Kirubavathi, K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Growth and Characterisation of Cobalt thiourea sulphate*, Materials letters, **61**, 4173 (2007).
12. K. Kirubavathi, K. Selvaraju, R. Valluvan, N. Vijayan and **S. Kumararaman**, *Studies on the growth aspects of Cadmium zinc thiourea acetate*, Materials Letters, **62**, 1545 (2007).
13. J. Thomas Joseph Prakash, N. Vijayan and **S. Kumararaman**, *Growth and characterisation of TTPI crystals*, Crystal Research Technology **11**, 1062 (2007).
14. K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Investigations on the nucleation kinetics of methyl para hydroxy benzoate single crystals* **Physica B**, **1163**, 1860 (2008).
15. K. Kirubavathi, K. Selvaraju, R. Valluvan and **S. Kumararaman**, *Synthesis, growth, structural, spectroscopic and optical studies of A new semiorganic nonlinear optical crystal: L Valine Hydrochloride*, Spectrochimica Acta, **69**, 1283 (2008).
16. J. Thomas Joseph Prakash, N. Vijayan and **S. Kumararaman**, *Growth and Characterisation of LATM crystals*, Materials letters, **62**, 4003 (2008)
17. K. Selvaraju, K. Kirubavathi, N. Vijayan and **S. Kumararaman**, *Investigations on nucleation kinetics of bis glycine sodium nitrate*, **Journal of Crystal Growth**, **310**, 11 (2008).
18. J. Thomas Joseph Prakash and **S. Kumararaman**, *Crystal growth and characterization of a semiorganic nonlinear optical single crystals of gamma glycine*, **Physica B**: (2008).
19. J. Thomas Joseph Prakash and **S. Kumararaman**, *Crystal growth and characterization of l-Proline cadmium chloride monohydrate single crystals*, Material Letters, **62** 4097 (2008).

20. K. Kirubavathi, K. Selvaraju, N. Vijayan and S. Kumararaman, *Synthesis, Growth and characterization of L-Valinium Picrate a new nonlinear optical crystal*, **Spectrachimica Acta**, 71, 288 (2008).
21. Kirubavathi, K. Selvaraju and S. Kumararaman, *Growth and characterization of a new metal-organic nonlinear optics bis (thiourea) cadmium zinc chloride single crystals*, **Spectrachimica Acta**, 71, 1 (2008).
22. Growth and Ultrasonic studies on L-Valine Hydrochloride crystals, *Journal of JPAU and Ultrasonics*, Vol.12, No.6, 2000.
23. Growth of LaMnO₃ crystals and characterization, *International Journal of Chemistry*, Vol.11, 2009, pp 264.
24. Unidirectional Growth of Structure, optical and mechanical properties of LPA crystals, *Journal of Materials chemistry and Physics*, Vol.36, pp 236, 2010.
25. Unidirectional growth off L-Tartaric acid crystal, *Asian Journal of Chemistry*, Vol.22, No.7, 2010.
26. Infrared trapping analysis of cashew nut liquid coated solar flat plate collector, *ISESCO Science and Tech.* No.10, 2010.

Dr. K.Gnanasekaran

27. M.Daniel and K.Gnanasekaran, Director Oscillation in a one dimensional Nematic Liquid Crystal, *phys. Letts. A* **332**, (2004) 17- 24.
28. M.Daniel and K.Gnanasekaran, Director relaxation in a Nematic Liquid Crystal, *Physica* **A346** (2005) 250 - 260.

Dr.A.Venkatesan

29. A. Venkatesan, S. Parthasarathy and M. Lakshmanan, *Occurrence of multiple-period doubling bifurcation routes to chaos in periodically pulsed chaotic dynamical systems*, *Chaos, Solitons & Fractals*, **18**, 891-898 (2003).

30. K. Thamilmaran, **A. Venkatesan** and M. Lakshmanan, *Hyperchaos in a modified canonical Chua's circuit*, *Int. J. Bifurcation and Chaos*, **14**, 221-243 (2004).
31. K. Thamilmaran, D.V. Senthil kumar, **A. Venkatesan** and M. Lakshmanan, *Experimental realization of strange nonchaotic attractors in a quasiperiodically forced electronic circuit*, *Phys. Rev. E* **74**, (2006).
32. K. Srinivasan, K. Thamilmaran and **A. Venkatesan**, *Effect of nonsinusoidal periodic forces in Duffing oscillator: Numerical and analog simulation studies*, *Chaos, Solitons & Fractals* (2007).
33. K. Srinivasan, K. Thamilmaran and **A. Venkatesan**, *Effect of Different periodic excitation on Chua's circuit*, *Communications in Nonlinear Science and Numerical Simulation* (2008) (In press).

Dr.A.Rajendran

34. P. Neelamegam and **A. Rajendran**, *Classification of surface roughness and distance measurement using artificial neural network*, *Instrumentation Science & Technology*, **31**, 417-423 (2003).
35. P. Neelamegam and **A. Rajendran**, *Linear heating system for measurement of Thermoluminescence measurements using 8031/51 microcontroller*, *Bulletin of Materials Science*, **26**, 565-568 (2003).
36. **A. Rajendran** and P. Neelamegam, *A Low cost conductivity measurement system using Microcontroller*, *Bulletin of Pure and Applied Sciences (Physics)* **22**, 107-114 (2003).
37. P. Neelamegam and **A. Rajendran**, *Automated heating rate controller for thermoluminescence measurements using microcontroller*, *Instrumentation Science & Technology*, **32**, 379-386 (2004)
38. **A. Rajendran** and P. Neelamegam, *Dielectric constant measurement using an Artificial Neural Network*, *Instrumentation Science & Technology*, **32**, 413-422 (2004).

39. **A.Rajendran** and P.Neelamegam, *Design and Development of Microcontroller based conductivity measurement system*, Indian Journal on Pure and Applied Physics, **42**, 182-188 (2004).
40. **A. Rajendran** and P. Neelamegam, *Measurement of conductivity of liquids using AT89C55WD microcontroller*, Measurement, **35**, 59-63 (2004).
41. **A. Rajendran** and P. Neelamegam, *Microcontroller based dielectric constant measurement*, Sensors & Transducers Magazine, **41**, 181-190 (2004).
42. **A. Rajendran** and P. Neelamegam, *An instrument for measurement of dielectric constant of liquids using 8031 microcontroller*, Bulletin of Electrochemistry, **20**, 59-62 (2004).
43. **A. Rajendran** and P. Neelamegam, *Design of AT89C52 microcontroller based system for the measurement of temperature and control*, Journal on Instrument Society of India, **35**, 99-105 (2005).
44. P. Neelamegam and **A. Rajendran**, C.Maruthanayagam, M.Mohanraja, *Design and Development of embedded system for the study of the bio chemical variations induced by monochrotophos in cyprinus carpio*, Measurement, **40**, (2007). (In Press)
45. **A. Rajendran** and P. Neelamegam, *An approach to measure densities of solids using artificial neural network*, Journal on Instrumentation Science and Technology, 183-189 (2007).
46. **A. Rajendran** and P. Neelamegam, *Design and Development of low cost thermoluminescence measurement system, using PIC16F877 Microcontroller*, Journal on Instrumentation, (IOP \& SISSA), Technical report, (2007).
47. **A. Rajendran**, P. Neelamegam and **A. Jamaludeen**, **Estimation of nitrate in water samples using microcontroller**, J. Sci. Trans. Environ. Technov. 3(2), 2009, pp 59-63.

48. P. Neelamegam, A. Jamaludeen, K. Muruganathan, A. Rajendran, **Estimation of Calcium Using a Low Cost Embedded System in Blood Serum**, Instrumentation Science & Technology, Volume 37, Issue 5, September 2009, pp 606 – 614.
49. P. Neelamegam, A. Jamaludeen and A. Rajendran: **Analysis of calcium in milk using an embedded system**, Sensing and Instrumentation for Food Quality and Safety, Volume 4, Numbers 3-4, pp 119-125.
50. P. Neelamegam, A. Jamaludeen and A. Rajendran, **Measurement of urinary calcium using AT89C51RD2 microcontroller**, Rev. Sci. Instrum. **80**, 044704 (2009);

PAPERS PRESENTED IN NATIONAL / INTERNATIONAL CONFERENCE / SYMPOSIUM / SEMINAR / WORKSHOPS

Dr. S. Kumararaman

1. **S. Kumararaman** and K. Selvaraj, *Growth of Nonlinear Optical Materials*, Symposium on NLO Materials, Anna University, Chennai, February 2006.
2. **S. Kumararaman** and K. Selvaraj, *Studies on Semiorganic NLO Materials*, National Conference on Crystal Growth, SSN College fo Engineering, Chennai, March, 2006.
3. **S. Kumararaman** and K. Selvaraj, *Studies on TTPI NLO Materials*, *National Seminar on Crystal Growth*, SSN College fo Engineering, Chennai, December, 2007.
4. **S. Kumararaman**, *Studies on CZPO NLO Materials*, UGC Seminar on Material Science, Sri Venkateswara University, Tirupati, 2008.

Dr.K.Gnanasekaran

5. M.Daniel and **K.Gnanasekaran**, *Director dynamics in a nematic liquid crystal*, Proceedings of the National Conference on Nonlinear Systems and Dynamics (NCNSD – 2005), Aligarh Musilm University, Aligarh (2005) 44-46.

6. **K.Gnanasekaran** and M.Daniel, Director dynamics due to nonlinear elastic deformations in a nematic liquid crystal, Proceedings of the National Conference on Nonlinear Systems and Dynamics(NCNSD-2006), RIAMS, Chennai(2006) 15-18.
7. R.Natrajan, M.Danial and **K.Gnanasekaran**, Nonlinear molecular deformations in cholesteric liquid crystal, Abstracts of papers 14th National Conference on liquid crystals, Organized by Department of Physics, University of North Bengal, Siliguri, Under the auspices of the Indian Liquid crystal Society - December (2007)20.

Dr.A.Venkatesan

8. P. Philominathan and **A. Venkatesan**, *Statistical Dynamics of a quasiperiodically forced logistic map*, Proceedings of National conference of Nonlinear systems & Dynamics, Indian Institute of Technology, Kharagpur, 69-72, (2003).

Dr.A.Rajendran

9. National Level TPSC Workshop on Non linear Physics: Theory, Experiments and Applications at Nehru Memorial College (Autonomous), Puthanampatti, 29-31 March 2010.
10. International Conference on System on Chip (SoC), SNR College (Autonomous) and Femto Logic Design-Chennai in association with International Journal of Computer Networks and communications, March 2010.
11. P. Neelamegam and **A. Rajendran**, *Embedded system for LDL Cholesterol Measurement*, International Conference on Intelligent systems, SRM University, Chennai, March 2007.
12. P. Neelamegam and **A. Rajendran**, *Development of low cost short-range IR data Communication using embedded system*, International Conference on Nanomaterials and broadcasting, SASTRA University, Tirumalaisamudrum, Thanjavur, Feb.2007.

13. P. Neelamegam, A. **Rajendran**, T. Suganya and S. Suganya, *Microcontroller system for measurement of Nitrate measurement in Water samples*, International conference on Intelligent and control systems, Karpagam College of Engineering and Technology, Coimbatore, August 2006.
14. P. Neelamegam, A. **Rajendran** and R. Dhineshkumar, *Automated inductance measurement using an embedded system*, Proceedings of National conference on Intelligent integrated control and automation, Coimbatore Institute of Technology, Coimbatore, February 2006.
15. P. Neelamegam, R. Vasumathi and A. **Rajendran**, *Microcontroller based measurement system to measure concentration of potassium in soil*, Proceedings of the National symposium on Instrumentation (NSI-30), pp 761-766, Cochin University of Science and Technology, Cochin, December 2005.
16. P. Neelamegam, A. **Rajendran**, A. Venkatesan and V. Saravanan, *Studies on the effects of fertilizer on *Aeichornia crassipes* growth and electrical conductivity of the native medium using microcontroller*, Proceedings of the National symposium on Instrumentation (NSI-30), pp 750-755, Cochin University of Science and Technology, Cochin, December 2005.
17. A. **Rajendran** and P. Neelamegam, *Microcontroller Based Instrumentation System for Study of Biochemical Variations Induced by *Monocrotophos* in *Cyprinus carpio* during the Exposure and Recovery period*, International conference on Trends in Industrial measurements and automation (TIMA'2004), CEERI, Chennai, 2004.

Dr. A. Rajendran

Extension activities

18. UGC Sponsored State Level seminar on Examination Reforms, Jamal Mohamed College (Autonomous), Tiruchirappalli on 12.03.2010.

19. NAAC Sponsored National Conference on Quality Management in Higher Education- Role of IQAC, Kristu Jayanti College, Bangalore on November 11 and 12, 2010. Presented a paper titled "Motivation as an Indispensable Benchmark of Quality sustenance and Enhancement"
20. Referee for two reputed International Journals namely: Journal on Measurement and Journal on Hydrology.

Resource Person

21. To give a special lecture on Sensors and its application at UGC Sponsored Regional Seminar on Recent Advances in Science and Technology(RAST'10) at V.S.S. Government Arts College, Pulankurichi- 630 413 on 10 March 2010.
22. Train the students for NET Examination in the subject Experimental techniques at Department of Physics, National College, Trichy on 28.10.2010.
23. To give a practical training in Advanced Physics practicals to the Post Graduate Students of Physics, Dhanlaxmi Srinivasan College, Perambalur on August 2010.
24. To give a special lecture on Transducers and Applications at Department of Physics, Chidambaram pillai College, Mannachanallur, Tiruchirappalli.
25. To give special lecture on Transducers and applications at Department of Electronics, Seethalakshmi Ramasamy College, Tiruchirappalli on 17.09.2009.
26. To give a special lecture on Bio sensors and Applications at Department of Physics, Chidambaram pillai College, Mannachanallur, Tiruchirappalli, September 2009.
27. One day Training Programme on 18 February 2010 as part of "Kalaingar 86 - Placement Programme" held at Chidambaram Pillai College, Mannachanallur.

Participation in the Orientation and Refresher Courses

1. Mr. P.R. Venkatesh and Mrs. S. Sangeetha attended 21days Refresher Course on “Curriculum Development” conducted by Bharathidasan University during November 2004.
2. Mrs. A. Kanagavalli attended 21 days Refresher course conducted by Academic Staff College, Bharathidasan University, Trichy during January 2006.
3. Smt. R.Sangeetha attended 21 day Orientation Course conducted by Academic StaffCollege, Trichy.
4. Dr.A.Venkatesan and Dr.A.Rajendran attended 21 days Refresher course conducted by Academic Staff College, Bharathidasan University, Trichy from 08.08.2009 to 28.08.2009.
5. **Shri.K.Nagarajan** and **Dr.P.Palaniyandi**, attended the “**Phoenix Workshop on Innovative Experiments**” conducted by Inter University Accelerator during September 2009 at New Delhi.

DEPARTMENT OF TAMIL

1. *Faculty profile, adequacy and competency of faculty*

The sanctioned staff strength of the aided programme is 04. Now there are 03 staff members serving as regular staff and 09 staff members are serving as management staff. The components of the members include two Associate professors and HOD, Ten Assistant professors. All the faculty members are qualified with M.Phil. degree and four faculties have acquired Ph.D. degree. Two staff members are NET qualified. Two staff members have acquired B.Ed., degree. Two staff members have passed M.A., Linguistics. One staff member is with M.A., Translation studies, also M.A., Journalism and mass communication. Three faculties are recognized as M.Phil., guides. Teachers are engaged in the research areas of their interest. Two faculties are guiding leading to Ph.D. degree.

2. *Student profile according to programmes of study, gender, region etc.*

B.A. Tamil Literature – students strength is 10.

3. *Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes*

The college switched over to the autonomous programme during 2005. Simultaneously CBCS pattern was introduced along with the autonomy curriculum. Almost all the teachers were involved in the curriculum designing according to CBCS pattern. The new papers like Siddha, Tourism, Journalism, Advertisement, Art, etc., have been included in the curriculum. Each staff member is assigned with two or three courses. They prepare the rough draft of the syllabus for the assigned courses and present it in the board of studies for approval. They carry out the necessary changes and prepare the final syllabus for the subject as per the recommendations of the members of board of studies.

4. *Trend in the success rate and dropout rate of students during the last five years.*

Year	U.G
2006-2007	-
2007-2008	-
2008-2009	-
2009-2010	03
2010-2011	07

B.A., Tamil – I Batch – 2009-10.

5. *Learning resources of the department like library, computers, laboratories and other such resources*

The department has 2 computers with internet facility

6. *Enhancement of the learning resources during the past five years*

NIL

7. *Modern Teaching methods in practice other than the lecture method*

Participatory lectures, debate, mini workshop, group discussion and interactive sessions are used to teach the students.

8. *Participation of teachers in academic and personal counselling of students*

Every class is assigned with a staff in-charge as tutor. Tutorial classes will be held regularly at the beginning and end of the every semester to counsel the students, slow learners are identified based in their performance in class and tests. The learning disabilities are removed by conducting classes.

9. Details of faculty development programmes and teachers who benefited during the past five years

Seven staff members attended 26 national seminars and they also attended 11 international seminars. Four staff members attended three days workshop.

10. Participation of teachers in academic activities other than teaching and research.

Faculty members are serving as question setters and examiners in universities and autonomous colleges. The faculty members serve in various academic committees for effective implementation of autonomy programme. A few faculty members are serving as resource persons for the contact programme of various universities.

11. Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

NIL

12. If research is a significant activity, what are the thrust areas of the department.

The faculty members are actively involved in the research activities. The thrust areas in which research activities undergoing are: Journalism, Comparative Literature, Islamic Literature, Translation, Advertisement, Tourism, Linguistics, Folklore etc.

13. Details of the ongoing projects and projects completed during the last five years.

NIL

14. *Publications of the faculty, for the past five years. Details regarding citation index and impact factor.*

Three books are published by the faculty members.

15. *Participation of the department in the extension activities of the college.*

All students in first year classes participate in various competitions held at various Institution.

16. *Method of continuous student assessment*

Two internal assessment tests are conducted and two essays are given to assess the UG students performance in the relevant subjects. And also rehearsal examination marks are taken into account for CIA evaluation.

17. *Placement record of the past students and the contribution of the department to the student placements*

NIL

18. *Significant achievements of the department or faculty or students during the past five years.*

NIL

19. *Involvement of students in academic/co-curricular and other activities of the department.*

NIL

20. *Innovations and best practices initiated/adopted by the departments during the last five years.*

The department motivates the students for participation in various competition, Essays writing, Drama, Rangoli, Arts & Yoga etc.

21. *Development and expansion plans of the department for the next 5 years.*

It is proposed to make the department as a centre for advanced Tamil studies, the department has planned to introduce certificate, diploma, and PG Diploma courses in the field of Journalism, Folklore, Siddha Medicine, Linguistics etc.

22. *Any other highlights.*

Staff members have written study materials for various universities. Three books have been published by Tamil department for students of I & II year UG degree courses.

DEPARTMENT OF ZOOLOGY

1. Faculty profile, adequacy and competency of faculty.

At present the department has 8 teaching staff members. Out of 8, four staff members are Ph.D. degree holders and four staff members are M.Phil., degree holders. Their areas of specializations are Toxicology, Management of Rodent Pests, Vermibiotechnology, Herbal science, Computational Biology, Ornithology, Aquaculture, Fish immunology, Wildlife biology and Endocrinology. One of the staff members has qualified post M.Sc., programme in Bioinformatics.

2. Student profile according to programmes of study, gender, region etc.

Course	Male	Female	Total
B.Sc., Zoology	15	97	112
M.Sc., Zoology	2	21	23
M.Phil., Zoology	03	03	06
Ph.D., Zoology	04	07	11
Advanced Diploma in Biofertilizers and Vermiculture	-	13	13

Most of the students of our department come from rural areas.

3. Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes.

At B.Sc., Zoology 4 core courses/skill based courses are included:

- Bioinformatics
- Biotechnology
- Wildlife Biology
- Commercial Zoology

At M.Sc., Zoology 6 new courses are included:

- Biosystematics and Taxonomy
- Wildlife conservation and management
- Animal Diversity,
- rDNA technology
- Medical Zoology
- Biostatistics and Bioinformatics

4. *Trend in the success rate and dropout rate of students during the last five years.*

Courses	Average percentage	Drop out
B.Sc.,	82	10
M.Sc.,	100	01

5. *Learning resource of the department like library, computers, laboratories and other such resources.*

Totally, 165 books on various titles are available in the department library. The department has three desktop computers with Internet connection facilities, two printers and one Laptop. Besides these, One LCD projector is available for ICT teaching and learning. The Department maintains a separate Instrumentation Centre which could be used for research activities in the basic and applied fields of Zoology and Bio-Technology. The students and research scholars are given advanced training in Instrumentation centre. The Instrumentation centre is equipped with sophisticated Instruments like Fermentor (NBS-USA), Inverted Microscope (Olympus, Japan), CO₂ Incubator (SANYO, Singapore), Gel Documentation (Alpha Innotech, USA), Polymerase Chain Reaction (EPPENDORF, Germany), Projection Microscope, Bomb Calorimeter, Spectrophotometer etc.

6. *Modern teaching methods in practice other than the lecture method.*

Along with chalk and talk method, our staff members use LCD Projector, OHP projector and Laptop for teaching the students. Animated video clippings are used to demonstrate the structure, physiology and functions of various animal organs. Images of the specimens on the permanent and prepared slides are brought to Laptop screen with the help of Trinocular/Binocular/Monocular Head compound microscope and USB Camera (Optika Make, Italy) to explain fine structures of specimens to students.

Every academic year the PG students visit various industries (related to applied biology like Grow More Plant Tissue culture Lab, Hosur, Leus Pasteur Institute, Coonoor, Aliyar Fish farm, Sericulture unit at Hosur) along with faculty members. Educational tours are arranged for both UG and PG students to zoologically important places (Zoos, Sanctuaries etc.). Students are taken to local fields to collect insects, bird watching, plants collection, plankton collection, fish farm, apiculture units, dairy farm and poultry farm.

7. *Participation of teachers in academic and personal counselling of students.*

Tutorial system

Class In-charge : Prof: M. P. Santhi (HOD) - III B.Sc. Zoology
: Dr. P. Neelanarayanan - I B.Sc., Zoology
: Dr. K. Saravanan - II B.Sc., Zoology
: Prof. R.Thangamani - I B.Sc., Zoology
: Dr. N. Ramesh - II M.Sc., Zoology
: Dr. A. Boopathiraja - I M.Sc., Zoology

Faculty members conduct Remedial classes for weak students. The staff members handle 'Environmental studies' every year during II semester for I UG classes.

8. *Details of faculty development programmes and teachers who benefited during the past five years.*

Two staff members attended refresher courses and one staff member attended one workshop. The details are given in the Annexure -1.

9. *Participation of teachers in academic activities other than teaching and research.*

Academic council member

NSS Programme Officer

Men's Hostel warden

Youth Red Cross Co-ordinator

Radio Talk

- **Dr. P. Neelananarayanan** gave a radio talk on "*Soozhal kaappom*" through All India Radio, Tiruchirappalli between 26-09-2010 and 02-10-2010.

10. *Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.*

Nil

11. *If research is a significant activity, what are the thrust areas of the department?*

Management of Rodent Pests

Vermibiotechnology

Herbal technology

Wildlife

12. *Details of the ongoing projects and projects completed during the last five years.*

- Dr. P. Neelananarayanan has been sanctioned two minor research Projects and one major research project by UGC and Ministry of Environment and Forests, respectively.
- Prof. M. P. Santhi has been sanctioned one minor research Project by UGC.
- Dr. N. Ramesh has also been sanctioned one minor research Project by UGC.

Name of Investigator	Title of the Project and duration	Amount sanctioned (Rs.)	Funding agency	Status
Dr.P.Neelananarayanan	Determination of Effective poison bait carrier for the Management of Rodent pests – Minor Research Project (2005-2007)	91,000.00	UGC	Completed
	Diversity of vermifauna and their population dynamics in Kolli hills a part of Eastern Ghats, Tamil nadu (August 2008 –July 2011) – on going	16.43 lakhs	Ministry of Environment and Forests, Govt. of India	Completed
	Determination of shelf life period of vermicompost with special reference to its physical, chemical and biological parameters – Minor Research Project (April 2009 to September 2010) – on going	1,25,000.00	UGC	Completed
Prof. M.P. Santhi	Evaluation of Anticancer activity of <i>Biophytum sensitivum</i> - Minor Research Project (July 2010 to February 2012) – on going	1,00,000.00	UGC	Ongoing
Dr. N. Ramesh	Population and distribution of Indian Peafowl (<i>Pavo cristatus</i>) in and around reserve forest and agro ecosystems of Thuraiyur area, Trichy district, Tamilnadu, Southern India - Minor Research Project (July 2010 to February 2012) – on going	1,25,000.00	UGC	Ongoing

13. *Publications of the faculty, for the past five years. Details regarding citation index and impact factor.*

Year	Average Number of publications	Citation index	Impact factor
2006-2011	10	-	-

14. *Participation of the department in the extension activities of the college.*

- The department organized a one day awareness-cum-field demonstration programme on “Drip irrigation a novel irrigation method for all agricultural crops except rice” at the college premises and nearby fields. Farmers from Puthanampatti, Abinimangalam and students of our college actively participated in the programme. There were 175 participants.
- **Dr. P. Neelananarayanan** and **Dr. C. Sasikumar** got a grant to the tune of Rs. 30,000/- for conducting a ‘workshop on Eco-friendly Agricultural practices’ under Dissemination of Innovative Technology from Tamil Nadu State Council for Science and Technology, Chennai.
- **Dr. P. Neelananarayanan**, Reader in Zoology, and **Dr. C. Sasikumar** HOD of Botany have jointly conducted a workshop on “Eco-friendly Agricultural practices” for local farmers from 31.07.10 to 02.08.10.

15. *Method of Continuous student assessment.*

CIA Method for UG & PG : 25 marks

Assignments = 5 marks

Tests =10 marks

Rehearsal Exam =10 marks

CIA Method for M.Phil. = 40 marks

Assignment/Seminar = 10 marks

Tests = 20 marks

Rehearsal Exam = 10 marks.

16. Placement record of the past students and the contribution of the department to the student placements.

- UG completed students are working as school teachers and PG and M.Phil., completed students are working as school teachers and college teachers.
- Mr. P. Haribalan, Research scholar is working in Bioactive Natural Products, Seoul National University, South Korea.

17. Significant achievements of the department or faculty or students during the past five years.

Students level

Course	Name	University Rank
B.Sc.,	Mr. K. Maharajan	I rank with Gold medal
	Mr. S. Chandrasekar	I rank with Gold medal
	Miss. J. Viji.	I rank with Gold medal
	Mr. A. Rameshkumar	II rank
M.Sc.,	Miss. M. Narmatha,	II rank
	Miss. A. Amutha	II rank

Mr. Sakthivel, Ph. D., scholar visited south Africa, during April 2010, for presenting a paper orally in the 4th International conference on Rodent Biology and Management held at Free State University, Blomfontein, South Africa.

Staff level

1. Dr. N. Ramesh visited Thailand during November 2010 to deliver two talks on (given two presentation orally) Galliformes, in the 5th International Galliformes symposium held at Changmai, Thailand.
2. Dr. N. Ramesh got the first prize of Rs. 1000/ in the National seminar on Biotechnology.
3. Prof. M.P. Santhi, Dr.P. Neelananarayanan and Dr. N. Ramesh got major and minor research projects from different funding agencies from Govt. of India.
4. Dr. P. Neelananarayanan presented a radio talk on 'Soozhal kaappom' through All India Radio, Tiruchirappalli between 26/9/2010 and 02/10/2010.

Our faculty members identify the bright students, train and motivate them to secure University ranks by giving counseling, related reference materials and special coaching.

18. *Involvement of students in academic / Co-curricular and other activities of the department.*

Scholarships and Awards:

1. Rajiv Gandhi National Fellowship awardees = 3
2. NTS Fellowship awardee for Ph.D. : 1.
3. DST-INSPIRE Fellowship awardee for Ph.D.: 1
4. Our department Students actively participate in the sports, NSS, NCC and cultural programs. The details are given in Annexure 2.

19. *Innovations and best practices initiated/adopted by the departments during the last five years.*

The department believes that the education and training in the modern concepts of farming should be transformed to the farmers so as to enable

them to use such techniques in a scientific way. The Department is actively engaged in extension activities by giving practical training to the students in Vermiculture and Herbal plant nursery. The department conducts awareness programmes for farmers on various topics based on local requirements.

20. *Development and expansion plans of the department for the next 5 years.*

1. Introduction of Diploma and certificate courses on current development in Life sciences like Plant Tissue culture, Medical laboratory techniques, Apiculture, Sericulture etc., to kindle the young minds to become self employers / entrepreneurs of these culture practices of their choice in their native places after graduation.
2. Our department has applied to get necessary approval from CPCSEA (to use the animals for research).
3. The faculty members have submitted various project proposals for getting financial assistance to enhance their research activities.

21. *Any other highlights.*

Our department had conducted periodically special lectures on current developments in life sciences. The details are provided in Annexure 3.

ANNEXURE – I

Details of faculty development programmes and teachers who benefited during the past five years

1. **Prof. M.P. Santhi** attended on A Refresher course on “**Special summer School - 2008 in Bio-Sciences**” conducted by UGC – ACADEMIC STAFF COLLEGE, BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI between 22.07.2008 and 11.08.2008.
2. **Prof. M.P. Santhi** attended a Refresher course on “**Environmental Education**” conducted by UGC – CADEMIC STAFF COLLEGE, BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI between 10-10-2008 and 30-10-2008.
3. **Dr. P. Neelananarayanan** attended a refresher course on “**Biotechnology and Bioinformatics**” conducted by UGC-Academic Staff College, Bharathiyar University, Coimbatore between 01.11.2006 and 21.11.2006.
4. **Dr. P. Neelananarayanan** attended a refresher course on “**Environmental education**” by UGC academic Staff College, Bharathidasan University, during 10th to 30th October 2008.
5. **Dr. K. Saravanan**, attended workshop on “**Molecular modelling and drug design**” from 2nd to 7th August 2010 at CMSD, University of Hyderabad, Hyderabad.

ANNEXURE - II

Student achievement

1. **Rajiv Gandhi National Fellowship award:** Mr. P. Sakthivel and Miss. C. Renuka have been awarded RGNF award (during 2006-2007).
2. **Rajiv Gandhi National Fellowship award:** Miss. J. Viji has been awarded RGNF award (during 2010-2011).
3. **Award of NTS Fellowship for Ph.D:** Miss. S. Elavarasi has awarded NTS Fellowship (2009-2010) for Ph.D by Central Institute of Indian Languages, Mysore.
4. **Award of DST-INSPIRE Fellowship for Ph.D:** Recently, Miss. E. Vasumathi, has been awarded **DST-INSPIRE Fellowship for Ph.D for gold medalist** (fellowship Rs.18,000pm and 25000/year) by DST, New Delhi.

University Ranks secured by our students

S. No.	Name	Programme	Academic Year	University Rank
1.	K. Maharajan	B.Sc Zoology	2009-10	I rank with Gold medal
2.	S. Chandrasekar	B.Sc Zoology	2005-06	I rank with Gold medal
3.	J.Viji.	B.Sc Zoology	2004-05	I rank with Gold medal
4.	A. Rameshkumar	B.Sc Zoology	2004-05	II rank
5.	M. Narmatha	M.Sc Zoology	2004-05	II rank
6.	A. Amutha	M.Sc Zoology	2009-10	II rank

Sports

S. No.	Name	Class	Year	Game	Prize
1.	S. Vijaya	B.Sc Zoology	2003-2006	Ball Badmitton University player	Intercollegiate winner (2006-07)
2.	Kaviya	B.Sc Zoology	2007-10	Ball Badmitton University player	Intercollegiate winner (2007-08 and 2008-09) Intercollegiate runner (2009 -10)

ANNEXURE - III

GUEST LECTURES ORGANIZED BY THE DEPARTMENT

1. **Dr. G. Ramasamy**, Reader in Zoology, A.V.C. College (Autonomous), Mayiladuthurai gave a special lecture on **"Biodiversity"** on 06/2/2008.
2. **Dr. R. Nagarajan**, Lecturer in Zoology, A.V.C College (Autonomous), Mayiladuthurai delivered a series of lectures on **"Biostatistics"** from 02.03.2008 to 5.3.2008.
3. **Dr. A.V. Muralidharan**, Lecturer in Zoology, Annamalai University, Chidambaram, delivered a special lecture on **"Aquaculture"** during 15/3/2008.
4. **Dr. R. Nagarajan**, Assistant Professor in Zoology, A.V.C College (Autonomous), Mayiladuthurai delivered a series of lecture on **"Biostatistics and Statistics tools" for Research scholars"** during 12.02.2009.
5. **Dr. A. Jabanesan**, Reader in Zoology, Annamalai University, Chidambaram gave a lecture on **"Mosquito control techniques"** during 18/3/2010.
6. **Dr. R. Selvam**, Coordinator, Centre for molecular Biology, Bishop Heeber College, Trichy gave a special lecture on **"Career Opportunity for Zoology graduates"** on 19/8/2010.
7. **Dr. G.Boopash**, Assistant Professor of Bharthidasan University gave a lecture on **"Fish disease and Management 23/7/11."**

ZOOLOGY DEPARTMENT ASSOCIATION MEETING

1. Zoology Department Association Meeting was held during March 2007. **Dr. T. S. Saravanan**, Reader in Zoology, Jammal Mohamed College (Autonomous), Trichy delivered a Lectured on **"Anticancer activity of Green Tea"**.

2. **Dr. K. Thiyagesan**, Reader in Zoology delivered a lecture on “**Recent advances in Biological Research**” in Zoology Department Association Meeting during February 2008.
3. Zoology Department Association meeting was held on 03-04-2009. **Dr. C.D. Lethi**, Reader in Zoology, Holy Cross College (Autonomous), Trichy delivered a special lecture on “**Human Nutrition**”
4. **Prof. K.T.Tamilmani**, gave a lecture on “Emotional skills” in the Zoology Department Association meeting on 03-04-2010.

INTER DISCIPLINARY LECTURE

1. **Prof. K.T. Tamilmani**, HOD of English, NMC Puthanampatti gave a lecture on “**Strengthen your Emotional Skills**” during 20/3/2010.

**DECLARATION BY THE
HEAD OF THE INSTITUTION**

I certify that 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:

Date :