

The Annual Quality Assurance Report (AQAR) of the IQAC

2014-2015

LADY DOAK COLLEGE

Tallakulam

Madurai 625 002

NAAC Track ID: 15134

**The Annual Quality Assurance Report (AQAR) of the IQAC**

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

**1. Details of the Institution**

1.1 Name of the Institution

Lady Doak College

1.2 Address Line 1

Narimedu

Address Line 2

Lady Doak College Road

City/Town

Madurai

State

Tamil Nadu

Pin Code

625002

Institution e-mail address

[principal@ldc.edu.in](mailto:principal@ldc.edu.in)

Contact Nos.

0452-2530527

Name of the Head of the Institution:

Dr. A. Mercy Pushpalatha

Tel. No. with STD Code:

0452 2524575

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+91 90039 58131

Name of the IQAC Co-ordinator:

Dr. V. Sridevi

Mobile:

+91 91716 89284

IQAC e-mail address:

[iqac@ldc.edu.in](mailto:iqac@ldc.edu.in)

1.3 NAAC Track ID (For ex. MHC0GN 18879)

1.4 NAAC Executive Committee No. & Date:

*(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)*

NAAC/DS/RK/65  
EC-61/2013 dated 25.10.2013

1.5 Website address:

[www.ladydoakcollege.edu.in](http://www.ladydoakcollege.edu.in)

Web-link of the AQAR:

<http://www.ladykeanecollege.edu.in/AQAR201415.doc>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	5 stars	-	2000	5
2	2 <sup>nd</sup> Cycle	A	-	2006	5
3	3 <sup>rd</sup> Cycle	A	3.44	2013	5
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC :DD/MM/YYYY

01/11/2004

1.8 AQAR for the year (for example 2010-11)

2014-2015

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR\_2012-13\_\_\_\_04/09/2014
- ii. AQAR\_2013-14\_\_\_\_05/07/2016
- iii. AQAR\_\_\_\_\_ (DD/MM/YYYY)
- iv. AQAR\_\_\_\_\_ (DD/MM/YYYY)

### 1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status

Grant-in-aid

UGC 2(f)

UGC 12B

Grant-in-aid + Self Financing

Totally Self-financing

### 1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

### 1.12 Name of the Affiliating University (*for the Colleges*)

Madurai Kamaraj University

### 1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University

University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

## 2. IQAC Composition and Activities

2.1 No. of Teachers

18

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

2

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No.  Faculty

Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State

Institution Level

(ii) Themes

**A. Faculty Development Programs**

1. Junior Faculty workshop on "Being an Effective Teacher" was conducted on 12<sup>th</sup> July 2014. 50 faculty members participated.
2. Two day workshop on "Communication Skills" was conducted on 17<sup>th</sup> & 18<sup>th</sup> Oct. 2014 in which 35 faculty members participated. Prof. Raja Govindasamy, former Principal of Thiagaraja College was the resource person
3. One day workshop on "Interpersonal Skills" was conducted on 6<sup>th</sup> Dec. 2014. Dr. Synthia Mary Mathew of Social Sciences Department was the resource person. 29 faculty members participated.

4. One-day workshop on 'Leadership and Team Building Skills' was conducted on 24<sup>th</sup> January 2015. Mr. Philips Dayanidhi, Head-Manufacturing & Business, Robert Bosch, Bangalore was the resource person. 45 faculty members participated
5. One day workshop on 'Grading' was conducted on 30<sup>th</sup> March, 2015. Dr. Thangamuthu, Former VC, Bharathidasan University, Trichy and Dr. Ram Ganesan, Prof. and Head, Department of Education and Technology, Bharathidasan University, Trichy

#### **B. Curriculum Development Programs**

1. One day workshop on 'Life Frontier Engagement – Integrating Academic Learning with Community Research' was conducted on 3<sup>rd</sup> December 2014. Dr. Albert Selvanayagam, Trainer in Teaching Methods, ICRDCE, Bangalore, was the resource person. 48 faculty members participated.
2. One day workshop on 'The Life Frontier Engagement Program Charting its Implementation' was held on 27<sup>th</sup> January 2015. Dr. Betty Cernol McCann, the Executive Director at Civic Engagement, Research and Training Services (CERTS), Philippines was the resource person. 54 faculty members participated
3. Training to link LMS (MOODLE) in teaching & Learning for faculty members was organised during July - October 2014.
4. Orientation Programme on ***ICT ENABLED INNOVATIVE PEDAGOGIES FOR HIGHER EDUCATION*** was given on March 28, 2015.  
Resource Person: **Dr. M. M. Pant**, Founder & Mentor, Planet Edu. Pvt. Ltd., Gurgaon, Haryana.
5. One Day Workshop on ***EFFECTIVE PEDAGOGY USING ICT TOOLS IN HIGHER EDUCATION*** was organised on April 8, 2015.

#### **Resource Persons:**

##### **Session I: 21<sup>st</sup> Century Learning**

##### **Mr. S. Varadarajan**

Capability Architect – Early Engagement  
Global Learning Solutions, Architecture and Management  
Cognizant Technology Solutions, Chennai

##### **Session II: Enhancing Learning with Digital Experiences through Web Tools**

##### **Dr. Senthilnathan**

Assistant Professor,  
Department of Educational Technology,  
Bharathidasan University, Tiruchirapalli -20

#### **C. Student Development Programs**

- **Programme:** Inter-Personal relationship session  
**Period:** In July 2014, 95 residents and August 2014, 40 residents were participated.  
**Outcome:** Interaction sessions were held which would help individuals face, feel, own and share their feelings and understand others' feelings to

strengthen interpersonal relationships 7 group sessions each for a duration of 1½ to 2 hours.

#### 2.14 Significant Activities and contributions made by IQAC

The activities of IQAC for the year 2014-2015, started with the first meeting with external experts on 11.08.2014. The annual plans of the IQAC for the year 2014-15 was presented under **thirteen different themes** of activity. All the activities were passed and the team of faculty members who were in charge of the activity were asked to prepare the action plans with time frame for each activity. The prepared action plans under the various themes were presented and passed in the second IQAC meeting with internal members held on 01.12.2014. A review meeting on the progress of the action plans was discussed for further improvement in the third IQAC meeting with internal members held on 23.02.2015. All the information regarding the meeting such as the Agenda, Members Present and the Minutes of the meeting were periodically uploaded in the college website under the icon IQAC.

<b>Item No:</b>	<b>Theme of the Activity</b>
1.	Implementation of Academic Audit for the Departments
	Administrative Audit for the Centres and Offices
2.	Study on the viability of Admission to all undergraduate programme under single window system.
3.	Examination and Evaluation Reforms
4.	Implementation of Management Information System
5.	Study on the development of students' skills at entry and exit levels.
6.	Towards a Zero waste campus.
7.	Development of a structured curriculum for the course on Life Frontier Engagement in all the undergraduate programme.
8.	Evolving Industry- Institute Business model for each department
9.	Implementation of LMS using the open source software – MOODLE
10.	Documentation of Science Instrumentation and Infrastructure Facilities available in the College.
11.	Competency based training programme for faculty members.
12.	Development of indigenous Academic Performance Index for the faculty members.
13.	Integration of ICT in teaching and learning (UG & PG)

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Outcome achieved
<b>Theme: 1(a) - Implementation of Academic Audit for the Departments</b>	
<ul style="list-style-type: none"> <li>* Evolving strategies to enable each Department to conduct a self-attestation of compliance.</li> <li>* Conduct of Self –Audit for the period Nov. 2013 – April – 2014 by each Department.</li> <li>* Conduct of Self –Audit for the period June 2014 – Nov. – 2014 by each Department.</li> <li>* Integration of effective automation tools into the academic programme of the Departments.</li> <li>* Generation of academic reports of each Department through e-database.</li> <li>* Preparation of annual self – evaluation report for each Department based on the Quarterly reports.</li> <li>* Formulation of Audit Panel.</li> </ul>	<ul style="list-style-type: none"> <li>* A process of self audit followed by self attestation by the departments has been evolved.</li> <li>* A complete set of Quality Management System files with the required details to be furnished by the department has been formulated.</li> <li>* The preparation of annual self – evaluation report for each Department based on the Quarterly reports is ongoing.</li> </ul>
<b>Theme: 1(b) - Implementation of Administrative Audit for the Centres and Offices</b>	
<ul style="list-style-type: none"> <li>* Identification of Office / Centre functions and staff in-charge.</li> <li>* Review of functions by respective office / centre staff for additions, deletions &amp; modifications.</li> <li>* Review of existing process flowcharts.</li> <li>* Developing new process flowcharts.</li> <li>* Compliance certificate to be given by Centre Co-ordinators &amp; Office Heads.</li> <li>* Internal Audit to be undertaken &amp; Audit Reports to be submitted.</li> </ul>	<ul style="list-style-type: none"> <li>* Identification of Office / Centre functions and staff in-charge.</li> <li>* Review of functions by respective office / centre staff for additions, deletions &amp; modifications.</li> <li>* Review of existing process flowcharts for all administrative offices (Principal's office, VP office, Examination Office, DSS, Deans) except Bursar's office.</li> <li>* Developing new process flowcharts for Principal's office, VP office, Examination Office, DSS, Deans except Bursar's office.</li> </ul>
<b>Theme: 2 - Study on the viability of admission to all undergraduate programmes under single window system.</b>	
<ul style="list-style-type: none"> <li>* Reviewing the existing process flowchart and identifying the methods of strengthening the admission process.</li> <li>* Selection process based on the refined flowchart</li> <li>* Visit to Christ College and other institutions which are successful in Single Window Admission System,</li> <li>* Applying based on category (Humanities, Languages, Life Sciences, Physical Science,</li> </ul>	<ul style="list-style-type: none"> <li>* Conducted Review Meetings with the persons in charge of Admission during September, 2014.</li> <li>* Exposure visit to Christ University, Bangalore – January, 2015.</li> <li>* Conducted the feasibility study for Single Window Admission system and found that the existing system itself is feasible</li> <li>* Errors and inconveniences faced in the</li> </ul>

<p>Mathematics, Commerce)</p> <ul style="list-style-type: none"> <li>* Selection based on centralized counselling process</li> <li>* Reframing the Intimation Card</li> </ul>	<p>existing system was rectified through review meeting, testing –internal &amp; external</p> <ul style="list-style-type: none"> <li>* Online fee Payment for UG and PG was incorporated</li> </ul>
<p><b>Theme: 3 - Examination and Evaluation Reforms</b></p>	
<ul style="list-style-type: none"> <li>* Standardisation of the Question papers for Summative examinations for all the courses under UG &amp; PG programmes of the college.</li> <li>* Standardisation of the table of specification (blueprint) for setting the questions papers for summative examinations</li> <li>* Creation of question bank for Part B, C &amp; D (Descriptive type)</li> <li>* Making Part A e-assessment results transparent to the students after the examinations</li> <li>* To involve more continuous assessment patterns.</li> <li>* To move away from the marking system to the system of using rubrics for all continuous assessments.</li> <li>* Conducting workshops for Teachers to acquire knowledge on continuous assessment tools.</li> </ul>	<ul style="list-style-type: none"> <li>* Standardisation of Summative question papers for all UG and PG programmes.</li> <li>* Transparency in the results of Part A e-assessment.</li> <li>* Workshop conducted on “Grading” on 30<sup>th</sup> March, 2015</li> </ul>
<p><b>Theme: 4 - Implementation of Management Information System (MIS)</b></p>	
<ul style="list-style-type: none"> <li>* Visit to other Institutions</li> <li>* Training for developing process flow chart and project documentation</li> <li>* Meeting with experts from IT company</li> <li>* Requirement analysis about the existing system</li> <li>* Conducting review meeting to refine the process</li> <li>* Identifying the flaws in the existing system</li> <li>* Preparing the process flow chart for the existing system</li> <li>* Preparing the Process Flow chart for the e-governance and Academic Module</li> <li>* Formulating the strategy to make the existing system error free</li> <li>* Implementing new modules to design and implement a full-fledged MIS <ul style="list-style-type: none"> <li>* <b>Infrastructure:</b> <ul style="list-style-type: none"> <li>▪ Virtualization</li> <li>▪ Storage enhancement</li> <li>▪ Wi-Fi connectivity in hostels</li> <li>▪ Web server on campus</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>* An exposure visit to Christ University for strengthening MIS- January,2015</li> <li>* IT Policy for strengthening the automation system was framed</li> <li>* Process flowchart and documentation of 65% of the existing automation process was completed</li> <li>* Meeting with external experts like Mr. Sebash Khan, CEO, Suriya Infotech, Mr. Sivaraj Ramanathan, CEO, Winways and Mr. Senthil, CEO, Eminent Technology Solutions was carried out during the period of Oct. – Dec., 2014. <ul style="list-style-type: none"> <li>▪ Reviewed the Process flowchart and gave suggestions to further strengthen the automation system</li> <li>▪ Innovative ideas were given to design, test and implement the new designs</li> </ul> </li> <li>* Infrastructure Facilities: <ul style="list-style-type: none"> <li>▪ Diskless computing devices were implemented in language lab to</li> </ul> </li> </ul>

	<p>enhance the client virtualization concept and to reduce the power consumption, promote energy saving</p> <ul style="list-style-type: none"> <li>▪ Storage server for Library and QMS were implemented to enhance the secured storage and access of information using user privileges</li> <li>▪ Secured and Authentic Wi-fi connections were given in Hostels, GJ Auditorium and other academic halls in the college</li> </ul>
<b>Theme: 5 - Implementation of Learning Management System (LMS) using the open source software - MOODLE</b>	
<ul style="list-style-type: none"> <li>* Customizing the MOODLE based on user requirement</li> <li>* Creating authentication for the faculty and students</li> <li>* Designing the page based on user requirement</li> <li>* Implementing the course code and modules for incorporating work plan, activities and Quiz- July to August 2014</li> <li>* Hands on training to the faculty - July to August 2014</li> <li>* Preparing the work plan, activities and uploading in the page</li> <li>* Configuring E-Assessment using MOODLE</li> <li>* Conducting mock for E-Assessment in MOODLE</li> <li>* Conducting final E-Assessment in MOODLE- October 2014</li> <li>* Implementing a full-fledged Online Learning Environment – November 2014</li> </ul>	<ul style="list-style-type: none"> <li>* Moodle was customized in LAN &amp; WAN.</li> <li>* User authentication was implemented</li> <li>* Online submission of assignments &amp; quiz were conducted</li> </ul>
<b>Theme: 6- Study on the Development of Students' Skills at Entry and Exit Levels</b>	
<ul style="list-style-type: none"> <li>* Questionnaire Preparation</li> <li>* Discussion with Dr. Muthumanikam, HoD, School of Education, MKU, was organised on February 17, 2015</li> <li>* Meeting with R&amp;D convenors and CHRD members to discuss new format in March 2015</li> </ul>	<p><b>Outcome of the plan:</b></p> <ul style="list-style-type: none"> <li>* Draft completed in the planned period and given to Principal, R&amp;D convenors for review. As requested by Principal meeting was held with an external expert from School of Education, MKU.</li> <li>* Draft questionnaire was reviewed and it was decided to prepare a new questionnaire including curricular, co-curricular and extracurricular activities.</li> <li>* Suggestion by the Principal is to outsource this activity.</li> </ul>

## Theme: 7 - Towards a Zero waste campus

<p><b>Sensitization programmes</b></p> <ul style="list-style-type: none"> <li>* Segregation of waste at source</li> <li>* Display of posters, street play &amp; film shows</li> <li>* Presentation during Dept. Club meetings</li> <li>* Supply of food items in canteen/ juice corners in reusable cups/plates instead of disposable items</li> <li>* Celebration of Eco awareness week (Field visits, guest lectures, competition-prizes, school programmes, posters etc.,)</li> <li>* Survey and quantification of wastes</li> <li>* Composting of biodegradable wastes (leaves)</li> <li>* Survey and quantification of wastes</li> <li>* Composting of biodegradable wastes(leaves)</li> </ul>	<ul style="list-style-type: none"> <li>* Competitions conducted on the theme of 'Making Lady Doak College a zero waste campus</li> <li>* Presentation was done by Department of Tamil, History, Maths and Soc. Sciences, Biotechnology and Physics.</li> <li>* Posters made by students for the competition were displayed on campus.</li> <li>* Eco awareness week was celebrated during 15<sup>th</sup>- 19<sup>th</sup> December 2014             <ul style="list-style-type: none"> <li>▪ Inauguration of the week by Mr. C. Kathiravan, Commissioner, Madurai corporation and release of a DVD on Dengue awareness produced by CES and Department of Biotechnology, Lady Doak College.</li> </ul> </li> <li>* 15.12.14 – Conservation Day             <ul style="list-style-type: none"> <li>▪ Display of Posters on the importance of trees, water &amp; energy</li> <li>▪ Donation of plants by students and sale</li> <li>▪ Guest lecture on 'Conservation of water resources'- Er.N. Arunachalam..</li> <li>▪ Students were enlightened on the methods of conservation of electricity in day today activities.</li> </ul> </li> <li>* 16.12.14- Reduce Emission Day             <ul style="list-style-type: none"> <li>▪ Students and Faculty were encouraged to use public transport instead of personal vehicles.</li> <li>▪ Bicycle Rally to create awareness was conducted</li> </ul> </li> <li>* 17.12.14- Traditional food Day             <ul style="list-style-type: none"> <li>▪ An exhibition cum sale of traditional food items was organised</li> <li>▪ The health benefits of traditional food such as millets and organically grown groceries were also explained to the participants.</li> <li>▪ Fireless cooking competition was conducted</li> <li>▪ Posters -Awareness on the effect of junk food/fast food on health</li> <li>▪ Demo for the faculty - from Pasumai Unavagam on use of millets</li> </ul> </li> <li>* 18.12.14- Waste Minimization Day</li> </ul>
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	<ul style="list-style-type: none"> <li>▪ <b>Rally by students</b> to create awareness on waste free , green campus and avoidance plastic covers inside the campus</li> <li>* 19.12.14- Competitions for school children and Vaedictory function. <ul style="list-style-type: none"> <li>▪ Twelve schools participated in competitions conducted to sensitize them on Promoting a healthy, garbage free environment</li> </ul> </li> </ul>
<b>Theme: 8 - Development of Structured Curriculum for Life Frontier Engagement in all the Undergraduate programmes</b>	
<p><b>Phase I</b>  <b>Brain storming session on Life Frontier Engagement for concept clarity</b></p> <ul style="list-style-type: none"> <li>* Discussion on the model LFE syllabus drafted earlier during the LFE workshop</li> <li>* Compilation of questions from the LFE team</li> <li>* Contacting Dr. Francis Soundaraj to clarify the doubts</li> </ul> <p><b>Phase II</b>  <b>Discipline based workshop on LFE</b></p> <ul style="list-style-type: none"> <li>* Inviting experts to address the LFE team</li> <li>* Skype discussions with international experts</li> <li>* Each department to identify theme and frame curriculum, mode of implementation on consultations with disciple wise experts</li> </ul> <p><b>Phase III</b>  <b>Creation of discipline-wise databases</b></p> <ul style="list-style-type: none"> <li>* Identification of relevant activities</li> <li>* Rapport building with appropriate agencies</li> <li>* Community tie-ups, working out action plan through agencies</li> <li>* Information for databases</li> <li>* MoUs with relevant organizations</li> </ul>	<ul style="list-style-type: none"> <li>* Syllabus framework created for every department which is to be passed in Academic Council and implemented in the coming academic year 2015-2016.</li> <li>* Evaluation process completed as a continuous comprehensive Rubric based assessment.</li> <li>* Orientation of all Faculty members on the LFE process and purpose.</li> <li>* Capacity building of LFE teams in every Department on LFE as unique teaching learning process.</li> </ul>
<b>Theme: 9 - Evolving Industry- Institute Business model for each department</b>	
<ul style="list-style-type: none"> <li>* Assisting departments to identify possible areas of interaction with discipline specific industry</li> <li>* Preparing and sharing data base of possible industrial collaborations</li> <li>* Associating with industrial bodies like CII and other platforms like MADISSTIA, productivity council for advice and guidance</li> <li>* Enabling departments to identify research</li> </ul>	<ul style="list-style-type: none"> <li>* Information on the linkages developed through interaction with various industries was collected from the departments.</li> <li>* Industrial experts in the field of Mathematics and Business Administration were identified.</li> </ul>

areas to work with industries	
<b>Theme: 10 - Documentation of Science Instrumentation and Infrastructure facilities available in the College</b>	
<ul style="list-style-type: none"> <li>* Compilation of information about the various existing facilities (Instrumental and Special Laboratory) available with each Science Departments and Centres in a prescribed format</li> <li>* Preparation of the information brochure</li> <li>* Printing of the Brochures</li> <li>* Dissemination of the information to the public users in the college website</li> </ul>	<ul style="list-style-type: none"> <li>* The information about the various existing facilities (Instrumental and Special Laboratory) available with each Science Departments and Centres have been collected and documented in a prescribed format.</li> <li>* The documented information has been prepared as an information brochure projecting the details of special instruments and laboratory facilities available with the science departments of Lady Doak College.</li> </ul>
<b>Theme: 11 - Competency Based Training Programme for Faculty Members</b>	
<ul style="list-style-type: none"> <li>* Communication Skills for 40 participants (Resource Person: Prof. Raja Govindasamy – Former Principal Thiagarajar College of Arts and Sciences, Madurai)</li> <li>* Interpersonal Skills for 30 participants (Resource Person: Dr. Synthia Mary Mathew – Associate Prof., Social Sciences, Lady Doak College)</li> </ul>	Training was completed as per the schedule except for the training on “Planning, Organising and Decision Making Skills” as the Resource Person was not available on the planned date
<b>Theme: 12 - Development of Indigenous Academic Performance Index for the faculty members</b>	
<ul style="list-style-type: none"> <li>* Preparation of Performance Appraisal index based on UGC regulations and guidelines</li> <li>* Uploading of the format</li> <li>* Collection of Information from the faculty members</li> <li>* Collection, Analysis and Documentation</li> </ul>	<ul style="list-style-type: none"> <li>* An indigenous Performance Appraisal Index based on UGC regulations and guidelines - Oct 2014 was prepared.</li> <li>* The API is under further refinement for implementation</li> </ul>
<b>Theme: 13 - Integration of Information and Communications Technology (ICT) in Teaching and Learning- UG &amp; PG</b>	
<ul style="list-style-type: none"> <li>▪ Moodle – Linking LMS in teaching &amp; learning (Course content preparation &amp; delivery)</li> <li>▪ Faculty recharging programmes for teachers to identify higher order skills in students (ICT enabled teaching &amp; learning system)</li> <li>▪ Up gradation of classroom with LED monitors for ICT enabled teaching</li> </ul>	<p>Training to link LMS (MOODLE) in teaching &amp; Learning for faculty members was organised</p> <ul style="list-style-type: none"> <li>▪ Faculty Recharging programmes for teachers <ul style="list-style-type: none"> <li>○ Orientation Programme on <b>ICT ENABLED INNOVATIVE PEDAGOGIES FOR HIGHER EDUCATION</b> on March 28, 2015. Resource Person: <b>Dr. M. M. Pant</b>, Founder &amp; Mentor, Planet EDU Pvt. Ltd. Gurgoan, Haryana.</li> <li>○ One Day Workshop on <b>EFFECTIVE</b></li> </ul> </li> </ul>

	<p><b><i>PEDAGOGY USING ICT TOOLS IN HIGHER EDUCATION on April 8, 2015.</i></b></p> <p><b>Resource Persons:</b></p> <p><b>Session I : 21 st Century Learning</b>  <b>Mr. S Varadarajan</b>          Capability Architect – Early Engagement          Global Learning Solutions, Architecture and Management          Cognizant Technology Solutions, Chennai</p> <p><b>Session II: Enhancing Learning with Digital Experiences through Web Tools</b>  <b>Dr. Senthilnathan</b>          Assistant Professor,          Department of Educational Technology, Bharathidasan University, Tiruchirapalli -20</p>
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***Annexure i***

2.15 Whether the AQAR was placed in statutory body    Yes     No

Management     Syndicate     Any other body

IQAC external meeting on 22.06.2016

Part – B

**Criterion – I**

**1. Curricular Aspects**

**1.1 Details about Academic Programmes**

Level of the Programme	Number of existing Programmes		Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
	Aided	Self-Finance			
PhD	-	6	-	6	-
PG	6	8	-	8	-
UG	11	13	2	13	-
PG Diploma	-	4	-	4	-
Advanced Diploma	-	-	-	-	-
Diploma	-	4	-	4	-

Certificate	-	1	-	1	-
Others (M.Phil)	-	9	-	9	-
<b>Total</b>	<b>17</b>	<b>45</b>	-	<b>45</b>	

Interdisciplinary	-	-	-	-
Innovative	1	-	-	-

1.2 (i) Flexibility of the Curriculum:

**CBCS (Integrated Curricular Model approach)**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	UG - 24 PG - 14 M. Phil - 9
Trimester	-
Annual	Ph.D. - 6

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

**Annexure ii**

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

To equip the learners to face the current challenges in Higher Education, the Departments of Tamil, Hindi, English, French, Social Science, History, Economics, Commerce, Business Administration, Mathematics, Physics, Chemistry, Botany, Zoology, Computer Science and Biotechnology revised the Undergraduate curriculum to fit into the Integrated Curricular Model that the college evolved in 2013.

**DEPARTMENT OF FASHION DESIGNING**

The college has introduced an Undergraduate programme B.Sc. Fashion Designing.

**CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT**

To develop vocational skills of the students and instill the seed of entrepreneurship in them college has entered into Integrated Curricular Model from 2013 batch onwards. A few departments and centre have proposed Vocational Courses.

**CENTRE FOR ENVIRONMENTAL STUDIES**

The course offered under Part V programme- Environmental Awareness Programme has been changed to LDC ECO BRIGADE which is offered from 2014-15.

## CENTRE FOR WOMEN'S STUDIES

The Centre for Women's Studies has revised the course content of Women's Studies to be offered under Part IV of the Integrated Curricular Model to the UG students under Value Based Courses from 2014.

## CURRICULUM PLANNING AND EVALUATION CELL

- Non-Major Elective courses are broad-based Interdisciplinary courses jointly framed by ANY two departments and offered in Semesters III and IV under Integrated Curricular Model.
- The credits of 'Core Communicative Skills' offered in Semesters I and II are changed from 1 to 2
- The Practical Functional Application components have been included in Part-I Tamil / Hindi / French and Part-II English

1.5 Any new Department/Centre introduced during the year. If yes, give details.

### Department of Fashion Designing

#### B.Sc. Fashion Designing

B.Sc. Fashion Designing is a unique and contemporary program evolved in response to the growing fashion industry in today's world. Some of the courses offered in this program includes Fashion Studies, Fashion Communication, Pattern Making and Grading, Garment construction for all ages, Fashion surface Communication and Fibre Yarn Technology. The course has a strong technical and practical content, equipping the students to be able to design and produce fashion apparels from the fibre and yarn stage to the finished product. Internship in fashion houses and garment industries is mandatory. At the completion of the course the student will be able to prepare a portfolio and will be employable as a designer, quality controller, pattern makers industries as well as be able to start her own boutique.

#### Criterion - II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty (Aided & Self-Financed)

Total	Assistant Professors		Associate Professors		Professors	Others
	Aided	SF	Aided	SF		
204	23+24*	100	53	4	-	-

2.2 No. of permanent faculty with Ph.D.  
(Aided & Self-Financed)

71 (61+10)



		பொருளியல் சிந்தனைகள் (ECONOMIC THOUGHTS IN MODERN TAMIL LITERATURE)		<p>பதிவுகளை அறிந்து கொள்ளல்.</p> <ul style="list-style-type: none"> <li>• பொருளியல் நோக்கில் இலக்கியங்களைச் சுவைத்தல்.</li> <li>• இலக்கியப் படைப்புகளில் பொருளியல் சிந்தனைகளைத் திறனாய்வு செய்தல்.</li> </ul>
V	COEN5401DM	ADVERTISING STRATEGY	ENGLISH & COMMERCE	<ul style="list-style-type: none"> <li>• To know the creative process of advertising.</li> <li>• To employ critical thinking while planning an advertisement.</li> <li>• To develop a campaign on a given theme.</li> </ul>
V	ENSS5401DM	SOCIOLOGY IN LITERATURE	ENGLISH & SOCIAL SCIENCES	<ul style="list-style-type: none"> <li>• To identify aspects of sociology which are captured creatively in literary works</li> <li>• To illustrate how literature depicts social events in the context of Indian culture</li> <li>• To analyse the literary pieces from a sociological perspective and present key issues in a synthetic form</li> </ul>
V	HISS5401DM	SOCIAL MOVEMENTS IN INDIA	HISTORY & SOCIAL SCIENCES	<ul style="list-style-type: none"> <li>• To learn the different approaches to the study of Social Movements</li> <li>• To understand the development of people's movement from below</li> <li>• To analyze the causes of people's movements and their impact on society</li> <li>• Comprehend the social changes as a result of the movements</li> </ul>
V	COEC5401DM	ENTREPRENEURSHIP DEVELOPMENT	COMMERCE & ECONOMICS	<ul style="list-style-type: none"> <li>• To know the process involved in the setting up of a small business</li> <li>• To understand the economic principles specific to the management of small business units imbibe the entrepreneurial culture</li> </ul>

V	CACB5401DM	MANAGEMENT INFORMATION SYSTEM FOR ENTREPRENEURS	COMMERCE (COMPUTER APPLICATIONS) & COMMERCE (BANKING & INSURANCE)	<ul style="list-style-type: none"> <li>• To explain the concepts and structures of MIS in terms of its various components.</li> <li>• To discuss the steps in implementing MIS.</li> <li>• To describe the functional information systems.</li> </ul>
V	CBCR5401DM	STOCK MARKET OPERATIONS	COMMERCE (BANKING & INSURANCE) & COMMERCE (CORPORATE SECRETARYSHIP)	<ul style="list-style-type: none"> <li>• To describe the origin and growth of stock markets</li> <li>• To explain the trading system and market phase.</li> <li>• To explain clearing and settlement procedure.</li> </ul>
V	CACR5401DM	E-FILING OF INCOME TAX RETURNS	COMMERCE (COMPUTER APPLICATIONS) & COMMERCE (CORPORATE SECRETARYSHIP)	<ul style="list-style-type: none"> <li>• To explain the difference between e-filing and regular filing of returns.</li> <li>• To explain the process of e-filing.</li> <li>• To prepare TDS returns.</li> </ul>
V	BACA5401DM	CUSTOMER RELATIONSHIP MANAGEMENT	COMMERCE (COMPUTER APPLICATIONS) & BUSINESS ADMINISTRATION	<ul style="list-style-type: none"> <li>• To recognize the basic concepts of customer and strategies to build customer relationship.</li> <li>• To recall the skills for customer interaction management</li> <li>• To describe the procedure for customer acquisition and retention</li> <li>• To analyse the basic concepts of electronic customer relationship management</li> </ul>
V	BAIT5401DT	SOFTWARE PROJECT MANAGEMENT	BUSINESS ADMINISTRATION & INFORMATION TECHNOLOGY & MANAGEMENT	<ul style="list-style-type: none"> <li>• To evaluate a project to develop the scope of work</li> <li>• To provide accurate cost estimates</li> <li>• To apply risk management analysis techniques for identifying project risks</li> <li>• To identify the resources required for a project and to produce a work plan and resource schedule</li> </ul>

VI	COTA6401DM	தமிழ் இலக்கியங்களில் வணிகம் (TRADE IN TAMIL LITERATURE)	COMMERCE & TAMIL	<ul style="list-style-type: none"> <li>பண்டைத் தமிழர் தம் வணிகச் சிறப்பினை அறிதல்.</li> <li>இலக்கியங்களின் வழி பன்னாட்டு வணிக முறைமையினை விளங்கிக் கொள்ளுதல்.</li> <li>வணிக வளர்ச்சிக்கும் சமூகமாற்றத்திற்கும் இடைப்பட்ட உறவினை அறிதல்.</li> </ul>
VI	ECTA6401DM	திருக்குறளில் பொருளாதாரச் சிந்தனைகள் (ECONOMIC IDEAS IN THIRUKKURAL)	ECONOMICS &TAMIL	<ul style="list-style-type: none"> <li>பழந்தமிழரின் பொருளாதார மேன்மையை உணர்தல்.</li> <li>பொருளியல் குறித்த நுணுக்கமான செய்திகளைத் திருக்குறளின்வழி சுவைத்தல்.</li> <li>வள்ளுவரின் பொருளியல் சிந்தனைகளை வாழ்வியலுடன் ஒப்பு நோக்கல்.</li> </ul>
VI	ENHI6401DM	HISTORY IN LITERATURE	ENGLISH & HISTORY	<ul style="list-style-type: none"> <li>To know the historical events in literature</li> <li>To relate history to literature</li> <li>To interpret a wide range of literary narratives associated with history</li> </ul>
VI	ENSS6401DM	PSYCHO-SOCIAL PERSPECTIVES TO LITERATURE	ENGLISH & SOCIAL SCIENCES	<ul style="list-style-type: none"> <li>To understand intrapersonal and interpersonal process through literature.</li> <li>To interpret literary narratives using psycho-social concepts.</li> <li>To develop a holistic outlook in appreciating literature using psychological perspective.</li> </ul>
VI	CACB6401DM	MOBILE COMMERCE	COMMERCE (COMPUTER APPLICATIONS) & COMMERCE (BANKING & INSURANCE)	<ul style="list-style-type: none"> <li>To express the concepts, principles and technologies of mobile commerce.</li> <li>To examine the multiple factors in adoption and usage of mobile commerce service.</li> <li>To apply mobile commerce techniques.</li> </ul>
VI	CBSS6401DM	CONSUMER BEHAVIOUR	COMMERCE (BANKING & INSURANCE) & SOCIAL SCIENCES	<ul style="list-style-type: none"> <li>To discuss the need and importance of marketing and consumer behaviour.</li> <li>To explain the psychological</li> </ul>

				<p>influence of individual in consumer decision making.</p> <ul style="list-style-type: none"> <li>• To describe the redressal agency and consumer protection act.</li> </ul>
VI	CACR6401DM	INVESTMENT MARKETING	COMMERCE (COMPUTER APPLICATIONS) & COMMERCE (CORPORATE SECRETARYSHIP)	<ul style="list-style-type: none"> <li>• To discuss the different avenues of investment.</li> <li>• To appraise the role of marketing in investment avenues.</li> <li>• To identify the need of tax planning.</li> </ul>
VI	CAHI6401DM	TOURISM MANAGEMENT AND MARKETING	COMMERCE (COMPUTER APPLICATIONS) & HISTORY	<ul style="list-style-type: none"> <li>• To understand the principles of Tourism from the aspect of Travel and Management.</li> <li>• To imbibe specific skills needed for tourist guides and marketing strategies.</li> <li>• To be trained through internship programmes in Travel Agencies.</li> <li>• To understand the significance of preserving and improving tourist resources.</li> </ul>
VI	BACR6401DM	STRATEGIC MANAGEMENT	BUSINESS ADMINISTRATION & COMMERCE (CORPORATE SECRETARYSHIP)	<ul style="list-style-type: none"> <li>• To define the concepts and process of Strategic Management</li> <li>• To identify the strategic alternatives and the process of making strategic choice</li> <li>• To classify strategic implementation, evaluation and control techniques</li> </ul>
VI	BAIT6401DT	ENTERPRISE RESOURCE PLANNING	BUSINESS ADMINISTRATION & INFORMATION TECHNOLOGY & MANAGEMENT	<ul style="list-style-type: none"> <li>• To apply enterprise wide information systems in organizations/business concerns.</li> <li>• To analyse the alternative perspectives on data to be included in an enterprise wide IS.</li> <li>• To relate the facilitation of integrated systems with</li> </ul>

				Supply Chain Management, Customer Relationship Management and Manufacturing
VI	COEC6401DM	MARKETING MANAGEMENT	COMMERCE & ECONOMICS	<ul style="list-style-type: none"> <li>To recognise the economic concepts and theories in marketing</li> <li>To develop effective marketing strategies to achieve organizational objectives</li> <li>To critically assess contemporary issues in marketing</li> </ul>

**COURSE DETAILS OF THE INTERDISCIPLINARY COURSES OFFERED UNDER SCIENCES**

<b>Sem.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Collaborating Departments</b>	<b>Specific learning outcome of the course</b>
V	BTMA5401DM	APPLICATIONS OF STATISTICS IN GENETICS	Biotechnology & Mathematics	<ul style="list-style-type: none"> <li>To comprehend the basic concepts in Statistics for biological data</li> <li>To apply statistical science to solve the biological problems</li> <li>To analyze data and interpret the results</li> </ul>
V	ITMA5401DM	PARALLEL INTERCONNECTI ON NETWORKS	Information Technology and Management & Mathematics	<ul style="list-style-type: none"> <li>To get an insight into Theoretical computer science</li> <li>To assess communication and computing possibilities of particular architecture</li> <li>To predict the performance of parallel applications</li> <li>To understand the structures of various interconnection networks</li> </ul>
V	MAPH5401DM	FOURIER TRANSFORM AND ITS APPLICATIONS	Physics & Mathematics	<ul style="list-style-type: none"> <li>To expand a function in Fourier series</li> <li>To solve partial differential equations using Fourier transforms</li> <li>To apply the concept of Fourier series and transforms to simple electronics systems, thermo dynamical problems and diffraction studies in optics</li> </ul>

VI	CHMA6401DM	APPLICATIONS OF GRAPH THEORY IN CHEMISTRY	Chemistry & Mathematics	<ul style="list-style-type: none"> <li>To acquaint with the fundamentals of graphs</li> <li>To name the IUPAC nomenclature of organic hydrocarbons</li> <li>To relate the nomenclature and structure and construct molecular graphs for chemical compounds</li> <li>To predict the properties of chemical compounds using topological indices</li> </ul>
VI	ITMA6401DT	APPLICATION OF FUZZY SETS USING MATLAB	Information Technology and Management & Mathematics	<ul style="list-style-type: none"> <li>To differentiate fuzzy and crisp sets</li> <li>To apply fuzzy logic and fuzzy relations in real life situations</li> <li>To apply MATLAB to solve fuzzy related problems</li> </ul>
VI	MAZO6401DM	BIOSTATISTICS	Zoology & Mathematics	<ul style="list-style-type: none"> <li>To understand the diseases that affect the human body</li> <li>To apply statistical tools for biological data</li> <li>To use computer software for biological data analysis</li> </ul>
V/VI	PHZO5401DM/ BTPH 6401DM	BIOMEDICAL INSTRUMENTATION	Biotechnology, Zoology & Physics	<ul style="list-style-type: none"> <li>To comprehend the physiology of human system.</li> <li>To understand the principle of operation and design in biomedical instruments</li> <li>To relate the use of biomedical devices in monitoring the diseases.</li> </ul>
V	CSPH 5401DT	DIGITAL IMAGE PROCESSING	Computer Applications & Physics	<ul style="list-style-type: none"> <li>to know the basic concepts of image processing and image analysis</li> <li>to understand the different filtering techniques involved in image processing</li> <li>to appreciate the concept image compression and segmentation</li> </ul>
VI	CSPH 6401DT	THE 8051 MICROCONTROLLER AND	Computer Applications, Information	<ul style="list-style-type: none"> <li>To appreciate the need for microcontrollers</li> <li>To familiarize with the assembly</li> </ul>

		EMBEDDED SYSTEMS	Technology and Management & Physics	<p>instructions of 8051 microcontroller</p> <ul style="list-style-type: none"> <li>To develop skill in using C for programming microcontroller</li> <li>To understand concepts of interfacing techniques</li> </ul>
VI	CHPH6401DM	ORGANIC ELECTRONICS	Chemistry & Physics	<ul style="list-style-type: none"> <li>To compare organic and inorganic semiconductor devices</li> <li>To appreciate the integration of electronics with organic molecules and materials</li> <li>To understand the principles of organic solar cells, organic Field Effect Transistor, and organic LED's</li> </ul>
V	CHCS5401DT	CHEMICAL DATA MINING	Chemistry and Computer Applications	<ul style="list-style-type: none"> <li>To know the different types of 2D and 3D molecular representations</li> <li>To analyze the data available in various databases</li> <li>To recognize the various datamining concepts</li> <li>To apply the datamining tools on datasets and interpret the results</li> </ul>
V	BOCH5401DT	MEDICINAL PHYTOCHEMISTRY	Botany and Chemistry	<ul style="list-style-type: none"> <li>To trace the history of pharmacognosy and Indian traditional medicine and their sources</li> <li>To identify the specific plants used for drug preparation</li> <li>To develop the skill to prepare the crude drugs</li> <li>To analyze the chemical properties of the secondary metabolites</li> <li>To critically evaluate the beneficial effect of plant drugs</li> </ul>
V	BOZO5401DM	BIOSAFETY AND BIO ETHICS	Botany & Zoology	<ul style="list-style-type: none"> <li>To identify the difference between Class I, Class II &amp; Class III biosafety cabinets.</li> <li>To appreciate the importance of biosafety in science</li> </ul>

				<p>experimentation</p> <ul style="list-style-type: none"> <li>To follow the ethical guidelines in her research</li> </ul>
VI	BOZO6401DM	FOREST AND WILD LIFE MANAGEMENT	Botany & Zoology	<ul style="list-style-type: none"> <li>To appreciate the distribution and significance of types of forest in India</li> <li>To recognize the threats and challenges to forests and wild life</li> <li>To explain the various methodologies adopted for management and conservation of forests &amp; wild life</li> </ul>
VI	BOBT6401DT	BIOINFORMATICS	Botany & Biotechnology	<ul style="list-style-type: none"> <li>To understand the concepts of bioinformatics</li> <li>To learn the biological data from various web resources and its contents</li> <li>To analyze the biological data and convert raw data into information</li> </ul>
V	BTIT5401DT	COMPUTATIONAL BIOLOGY	Biotechnology & Information Technology and Management	<ul style="list-style-type: none"> <li>To understand the concepts of genome and gene structure for developing algorithms in biological data mining.</li> <li>To acquire knowledge about basic programming skills in developing biological databases.</li> <li>To gain their hands on skills and implement them in analyzing biological sequences.</li> </ul>
V	BAIT5401DT	SOFTWARE PROJECT MANAGEMENT	Business Administration & Information Technology and Management	<ul style="list-style-type: none"> <li>To understand and practice the process of project management and its application in delivering successful IT projects</li> <li>To evaluate a project to develop the scope of work, provide accurate cost estimates and to plan the various activities</li> <li>To understand and use risk management analysis techniques that identify the factors that put a project at risk and to quantify the likely effect of risk on project</li> </ul>

				<p>timescales</p> <ul style="list-style-type: none"> <li>To identify the resources required for a project and to produce a work plan and resource schedule</li> </ul>
VI	BAIT6401DT	ENTERPRISE RESOURCE PLANNING	Business Administration & Information Technology and Management	<ul style="list-style-type: none"> <li>To apply enterprise wide information systems in organizations/business concerns.</li> <li>To analyse the alternative perspectives on data to be included in an enterprise wide IS.</li> <li>To relate the facilitation of integrated systems with Supply Chain Management, Customer Relationship Management and Manufacturing</li> </ul>
V	BSPS5401DM	CONCEPTS AT NANOSCALE	Physics, Chemistry, Botany, Zoology and Biotechnology	<ul style="list-style-type: none"> <li>To understand the structure and properties of nanomaterials</li> <li>To recognize the different types of nanomaterials</li> <li>To gain knowledge on different characterization techniques</li> <li>To describe the intricacies of nanoscience in nature and natural materials</li> </ul>
VI	BSPS6401DM	APPLICATIONS OF NANOMATERIALS		<ul style="list-style-type: none"> <li>To recognize the importance of nano carriers</li> <li>To understand the use of nanodiagnostic agents in detection and imaging</li> <li>To explain the utility of nanocarriers in therapy</li> <li>To analyse the significant role of nanomaterials in environment and energy</li> </ul>

➤ **Cluster College Programme for NET Coaching**

The Department of Chemistry launched a Cluster Programme with ANJAC –for Proficiency in CSIR-NET/JRF Examination. The Chemistry Departments of Ayya Nadar Janaki Ammal College (ANJAC), Sivakasi and Lady Doak College (LDC), Madurai have evolved under joint venture an exclusive CSIR-JRF/NET coaching program for the M.Sc. Chemistry students in colleges situated in and around Madurai and Sivakasi. The expertise

and infrastructure of different colleges can be effectively utilised through a cluster college concept for this venture. Nearly seventy five students from ten colleges of Madurai and Virudhunagar districts have registered under this program and are undergoing the training program from November 2014 – March 2015.

2.7 Total No. of actual teaching days during this academic year 

184 days
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2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- \* Standardisation of Summative question papers for all UG and PG programmes
- \* Transparency in the results of Part A e-assessment
- \* Articulation of grading system for evaluation.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

195	30	-
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2.10 Average percentage of attendance of students

ODD Semester: UG – 96%, PG – 95.5%
EVEN Semester: UG – 96%, PG – 96.2%

2.11 Course/Programme wise distribution of pass percentage:

### NOVEMBER 2014

### UG III Semester Results - November 2014

MAJOR		Appeared	Passed	% of Pass
B.A.	Tamil	38	30	78.95
B.A.	English	50	48	96
B.A.	English (SF)	55	38	69.09
B.A.	History Specialization in Tourism	37	21	56.76
B.A.	Psychology and Sociology	45	29	64.44
B.A.	Economics with Specialization in Corporate Economics (TM)	19	6	31.58
B.A.	Economics with Specialization in Corporate Economics (EM)	28	17	60.71
B.Com.	Commerce	53	42	79.25
B.Com.	Banking and Insurance (SF)	58	42	72.41
B.Com.	Professional Accounting	38	28	73.68
B.Com.	Commerce with Computer Applications (Batch-A)	43	31	72.09
B.Com.	Commerce with Computer Applications (Batch-B)	48	39	81.25
B.Com.	Commerce with Corporate Secretaryship	52	36	69.23
B.Sc. (Special)	Mathematics	64	53	82.81
B.Sc.	Mathematics with Computer Applications (SF)	42	40	95.24
B.Sc. (Special)	Physics	59	50	84.75
B.Sc.	Physics with Computer Applications (SF)	35	28	80
B.Sc. (Special)	Chemistry with Cheminformatics	48	34	70.83
B.Sc. (Special)	Botany (Specialization in Industrial Microbiology)	44	39	88.64
B.Sc. (Special)	Zoology (Specialization in Biotechnology)	44	31	70.45
B.Sc.	Biotechnology	40	37	92.5
B.Sc.	Computer Applications	40	37	92.5
B.Sc.	Information Technology and Management (Batch-A)	44	38	86.36
B.Sc.	Information Technology and Management (Batch-B)	45	36	80
B.B.A.	Business Administration	50	40	80
<b>Total</b>		<b>1119</b>	<b>870</b>	<b>77.75</b>

### UG V Semester Results - November 2014

MAJOR		Number		
		Appeared	Passed	% of Pass
B.A.	Tamil	36	28	77.78
B.A.	English	62	57	91.94
B.A.	English (SF)	55	37	67.27
B.A.	History Specialization in Tourism	23	11	47.83
B.A.	Psychology and Sociology	32	25	78.13
B.A.	Economics with Specialization in Corporate Economics (TM)	36	29	80.56
B.A.	Economics with Specialization in Corporate Economics (EM)	21	17	80.95
B.Com.	Commerce	61	56	91.8
B.Com.	Banking and Insurance (SF)	65	60	92.31
B.Com.	Professional Accounting	39	38	97.44
B.Com.	Commerce with Computer Applications (Batch-A)	44	41	93.18
B.Com.	Commerce with Computer Applications (Batch-B)	46	42	91.3
B.Com.	Commerce with Corporate Secretaryship	58	49	84.48
B.Sc. (Special)	Mathematics	66	52	78.79
B.Sc.	Mathematics with Computer Applications (SF)	43	35	81.4
B.Sc. (Special)	Physics	40	32	80
B.Sc.	Physics with Computer Applications (SF)	29	20	68.97
B.Sc. (Special)	Chemistry with Cheminformatics	43	30	69.77
B.Sc. (Special)	Botany (Specialization in Industrial Microbiology)	31	29	93.55
B.Sc. (Special)	Zoology (Specialization in Biotechnology)	32	22	68.75
B.Sc.	Biotechnology	41	32	78.05
B.Sc.	Computer Applications	46	42	91.3
B.Sc.	Information Technology and Management (Batch-A)	51	48	94.12
B.Sc.	Information Technology and Management (Batch-B)	44	43	97.73
B.B.A.	Business Administration	70	53	75.71
<b>Total</b>		<b>1114</b>	<b>928</b>	<b>83.30</b>

### PG I Semester Results - November 2014

MAJOR		Appeared	Passed	% of Pass
M.A.	Tamil	10	8	80
M.A.	English	27	25	92.59
M.A.	History	4	4	100
M.S.W.	Social Work	14	10	71.43
M.A.	Economics with Computer Applications	9	4	44.44
M.Com.	Commerce with Computer Applications	32	26	81.25
M.Sc.	Mathematics	37	21	56.76
M.Sc.	Physics	12	4	33.33
M.Sc.	Chemistry	14	2	14.29
M.Sc.	Microbiology	6	6	100
M.Sc.	Zoology with Specialization in Biotechnology	10	8	80
M.Sc.	Biotechnology	13	12	92.31
M.Sc.	Information Technology	30	23	76.67
M.Sc.	Computer Science	25	19	76
<b>Total</b>		<b>243</b>	<b>172</b>	<b>70.78</b>

### PG III Semester Results - November 2014

MAJOR		Appeared	Passed	% of Pass
M.A.	Tamil	8	7	87.5
M.A.	English	17	17	100
M.A.	History	9	9	100
M.S.W.	Social Work	13	11	84.62
M.A.	Economics with Computer Applications	7	3	42.86
M.Com.	Commerce with Computer Applications	15	10	66.67
M.Sc.	Mathematics	30	17	56.67
M.Sc.	Physics	18	9	50
M.Sc.	Chemistry	11	7	63.64
M.Sc.	Microbiology	6	4	66.67
M.Sc.	Zoology with Specialization in Biotechnology	6	5	83.33
M.Sc.	Biotechnology	11	7	63.64
M.Sc.	Information Technology	26	23	88.46
M.Sc.	Computer Science	29	22	75.86
M.Sc.	Nanoscience	2	0	0
<b>Total</b>		<b>208</b>	<b>151</b>	<b>72.60</b>
<b>Overall Total</b>		<b>1327</b>	<b>1013</b>	<b>76.34</b>

### Diploma, PG Diploma and M.Phil. I Semester Results – November 2014

MAJOR		Number of Candidates		
		Appeared	Passed	% of Pass
P.G. Diploma	Human Resource Development	14	9	64.29
P.G. Diploma	Counselling and Psychotherapy	6	6	100
Diploma	Informatics for Drug Design	17	17	100
M.Phil.	Tamil	2	2	100
M.Phil.	English	6	6	100
M.Phil.	Commerce	13	13	100
M.Phil.	Physics	5	5	100
M.Phil.	Microbiology	10	10	100
M.Phil.	Biotechnology	5	5	100
<b>Total</b>		<b>78</b>	<b>73</b>	<b>93.59</b>
<b>Overall Total</b>		<b>1652</b>	<b>1251</b>	<b>75.73</b>

### APRIL AND JUNE 2015

MAJOR		Number of Candidates		
		Total No. of Studs.	No. of Studs. getting Degree	% of Pass
B.A.	TAMIL	36	25	69.44
B.A.	ENGLISH	65	60	92.31
B.A.	ENGLISH (SF)	52	33	63.46
B.A.	HISTORY SPECIALIZATION IN TOURISM	18	6	33.33
B.A.	PSYCHOLOGY AND SOCIOLOGY	35	23	65.71
B.A.	ECONOMICS WITH SPECIALIZATION IN CORPORATE ECONOMICS (TM)	36	22	61.11
B.A.	ECONOMICS WITH SPECIALIZATION IN CORPORATE ECONOMICS (EM)	21	10	47.62
B.Com.	COMMERCE	70	45	64.29

B.Com.	BANKING AND INSURANCE (SF)	66	58	87.88
B.Com.	PROFESSIONAL ACCOUNTING	39	34	87.18
B.Com.	COMMERCE WITH COMPUTER APPLICATIONS (Batch-A)	45	36	80
B.Com.	COMMERCE WITH COMPUTER APPLICATIONS (Batch-B)	45	32	71.11
B.Com.	COMMERCE WITH CORPORATE SECRETARYSHIP	58	47	81.03
B.Sc. (Special)	MATHEMATICS	68	57	83.82
B.Sc.	MATHEMATICS WITH COMPUTER APPLICATIONS (SF)	44	34	77.27
B.Sc. (Special)	PHYSICS	40	29	72.5
B.Sc.	PHYSICS WITH COMPUTER APPLICATIONS (SF)	30	18	60
B.Sc. (Special)	CHEMISTRY WITH CHEMINFORMATICS	44	29	65.91
B.Sc. (Special)	BOTANY (SPECIALIZATION IN INDUSTRIAL MICROBIOLOGY)	33	25	75.76
B.Sc. (Special)	ZOOLOGY (SPECIALIZATION IN BIOTECHNOLOGY)	33	21	63.64
B.Sc.	BIOTECHNOLOGY	41	27	65.85
B.Sc.	COMPUTER APPLICATIONS	48	42	87.5
B.Sc.	INFORMATION TECHNOLOGY AND MANAGEMENT (Batch-A)	51	48	94.12
B.Sc.	INFORMATION TECHNOLOGY AND MANAGEMENT (Batch-B)	44	39	88.64
B.B.A.	BUSINESS ADMINISTRATION	71	55	77.46
Total		<b>1133</b>	<b>855</b>	<b>75.46</b>

#### APRIL AND JUNE 2015

MAJOR		Number of Candidates		
		Total No. of Studs.	No. of Studs. getting Degree	% of Pass
M.A.	TAMIL	9	8	88.89
M.A.	ENGLISH	18	17	94.44
M.A.	HISTORY	10	8	80

M.S.W.	SOCIAL WORK	12	10	83.33
M.A.	ECONOMICS WITH COMPUTER APPLICATIONS	6	3	50
M.Com.	COMMERCE WITH COMPUTER APPLICATIONS	15	9	60
M.Sc.	MATHEMATICS	36	23	63.89
M.Sc.	PHYSICS	19	12	63.16
M.Sc.	CHEMISTRY	11	7	63.64
M.Sc.	MICROBIOLOGY	6	5	83.33
M.Sc.	ZOOLOGY WITH SPECIALIZATION IN BIOTECHNOLOGY	6	5	83.33
M.Sc.	BIOTECHNOLOGY	11	8	72.73
M.Sc.	INFORMATION TECHNOLOGY	26	19	73.08
M.Sc.	COMPUTER SCIENCE	30	26	86.67
M.Sc.	NANOSCIENCE	2	0	0
Total		217	160	73.73

#### APRIL AND JUNE 2015

MAJOR		Number of Candidates		
		Total No. of Studs.	No. of Studs. getting Degree	% of Pass
Diploma	CREATIVE FASHION DESIGNING	--	--	--
Diploma	INFORMATICS FOR DRUG DESIGN	17	17	100
Diploma	YOGA	7	7	100
P.G. Diploma	BIO-INFORMATICS	--	--	--
P.G. Diploma	HUMAN RESOURCE DEVELOPMENT	12	9	75
P.G. Diploma	COUNSELLING AND PSYCHOTHERAPY	6	6	100
M.Phil.	TAMIL	2	2	100

M.Phil.	ENGLISH	6	6	100
M.Phil.	HISTORY	--	--	--
M.Phil.	ECONOMICS	--	--	--
M.Phil.	COMMERCE	13	13	100
M.Phil.	PHYSICS	5	5	100
M.Phil.	CHEMISTRY	--	--	--
M.Phil.	MICROBIOLOGY	10	10	100
M.Phil.	BIOTECHNOLOGY	3	3	100
Total		81	78	96.3

## 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

IQAC periodically conducts internal and external meetings to ensure quality in all the academic activities of the college. The details of the meetings organised and matters discussed are given below:

S. No.	Meeting Dates	Type of meeting	Members Present	Hours of the meeting	Matters discussed
1	11.08.2014	External	<ul style="list-style-type: none"> <li>* External experts</li> <li>* Alumnae</li> <li>* Chairperson</li> <li>* IQAC Co-ordinators</li> <li>* Internal members</li> <li>* Administrative staff</li> <li>* Student representatives</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>* ATR on the previous minutes</li> <li>* Status Report of the plan</li> <li>* Feedback on alumnae</li> <li>* Action plan of 14-15</li> </ul>
2	01.12.2014	Internal	<ul style="list-style-type: none"> <li>* Chairperson</li> <li>* IQAC Co-ordinators</li> <li>* Internal members</li> </ul>	3 hrs	<b>Action plan for the year 2014-15</b> <ul style="list-style-type: none"> <li>* Academic Audit and Administrative Audit</li> <li>* Single window - Admission System</li> <li>* Examination and Evaluation Reforms</li> <li>* MIS &amp; LMS</li> <li>* Students' skills - entry and</li> </ul>
3	23.02.2015	Internal	<ul style="list-style-type: none"> <li>* Administrative staff</li> <li>* Student representatives</li> </ul>	3 hrs	
4	21.04.2015	External	<ul style="list-style-type: none"> <li>* External experts</li> <li>* Alumnae</li> <li>* Chairperson</li> </ul>	3.5 hrs	

			<ul style="list-style-type: none"> <li>* IQAC Co-ordinators</li> <li>* Internal members</li> <li>* Administrative staff</li> <li>* Student representatives</li> </ul>		<ul style="list-style-type: none"> <li>exit levels</li> <li>* Zero waste campus</li> <li>* Life Frontier Engagement</li> <li>* Industry- Institute Business models</li> <li>* Documentation of Science Instrumentation and Infrastructure Facilities</li> <li>* Competency based training programs for faculty members</li> <li>* Academic Performance Index for the faculty members</li> <li>* ICT in teaching and learning (UG &amp; PG)</li> </ul>
--	--	--	---	--	---

**Quality Measures Undertaken by IQAC towards Teaching and Learning:**

**A. ACADEMIC AND ADMINISTRATIVE AUDIT- A MODEL FOR LADY DOAK COLLEGE**

This year the college moved from ISO based audit to Academic and Administrative Audit. Based on the UGC guidelines, the college has evolved an audit model to suit the academic climate of Lady Doak College. The details of the model are given below.

**ACADEMIC AUDIT FOR DEPARTMENTS**

**Main features of the Academic Audit (AA) Model.**

- \* College Academic Audit is designed to scrutinise the academic standards and quality in the teaching-learning-testing processes of all the undergraduate, postgraduate and research programmes .
- \* It is based on a self-evaluation process which will be audited by an audit panel once in two years.
- \* The self-evaluation process is in alignment with the guidelines for internal quality assurance given by NAAC.
- \* There will be one academic audit between two cycles of accreditation by NAAC.
- \* To ensure quality and objectivity of the self-evaluation process, presence of two external assessors are mandatory in the Audit panel.

**Objectives:**

College Academic Audit is designed

- \* To scrutinise the academic standards and quality in the teaching-learning-testing processes of all the undergraduate, postgraduate and research programmes.
- \* To assure efficacy and robustness in all the academic programmes.
- \* To have a continued enhancement in the quality of the academic processes.

**Action Plans:**

- \* Evolving strategies to enable each Department to conduct a self-attestation of compliance.
- \* Conduct of Self –Audit for the period November, 2013 – April, 2014 by each Department.
- \* Conduct of Self –Audit for the period June 2014 – Nov. – 2014 by each Department.
- \* Integration of effective automation tools into the academic programme of the Departments.
- \* Generation of academic reports of each Department through e-database.
- \* Preparation of annual self – evaluation report for each Department based on the Quarterly reports.
- \* Formulation of Audit Panel.

**Work Completed:**

- \* A process of self audit followed by self attestation by the departments has been evolved.
- \* A complete set of Quality Management System files with the required details to be furnished by the department has been formulated.
- \* The preparation of annual self –evaluation report for each Department based on the Quarterly reports is ongoing.

**Outcome of the plan:**

- \* Attestation of Compliance report for Even Semester (2013-2014) and Odd Semester (2014-2015)
- \* List of QMS files in a standardized format

*Annexure iii*

**ADMINISTRATIVE AUDIT FOR THE CENTRES AND OFFICES****Objectives:**

- \* To appraise the effectiveness and efficiency of a centre / office in meeting organizational goals.
- \* To understand the functions, responsibilities and processes involved
- \* To identify opportunities for improving control.
- \* To provide with a detailed understanding of the operations.

**Action Plans:**

- \* Identification of Office / Centre functions and staff in-charge.
- \* Review of functions by respective office / centre staff for additions, deletions & modifications.
- \* Review of existing process flowcharts.
- \* Developing new process flowcharts.
- \* Compliance certificate to be given by Centre Co-ordinators & Office Heads.
- \* Internal Audit to be undertaken & Audit Reports to be submitted.

**Work Completed:**

- \* Identification of Office / Centre functions and staff in-charge.
- \* Review of functions by respective office / centre staff for additions, deletions & modifications.
- \* Review of existing process flowcharts for all administrative offices (Principal's office, VP office, Examination Office, DSS, Deans) except Bursar's office.
- \* Developing new process flowcharts for Principal's office, VP office, Examination Office, DSS, Deans except Bursar's office.

**Outcome of the plan:**

- \* Fine tuning of roles and functions.
- \* The process flow charts prepared were reviewed according to the new functions and new flow charts were developed for all the administrative offices except for Bursar's office which is in process.

**B. FEEDBACK FROM DIFFERENT STAKEHOLDERS IS TAKEN REGULARLY TO MONITOR AND SUSTAIN QUALITY IN TEACHING-LEARNING-TESTING PROCESSES**

<b>Nature of feedback</b>	<b>From whom and when</b>	<b>By whom</b>	<b>Outcome</b>
Coursewise feedback	All the students at the end of the semester.	By the course teachers of each Department.	Analysed by the course teachers, discussed in the departmental meetings and included in the course file.
Programwise feedback	All the outgoing students at the end of the UG and PG programs	Deans of academic affairs	Analysed by the Deans office and will be presented further discussion and follow-up in the IQAC meeting
Alumnae feedback	All the graduates on the convocation day	VP office	Analysed by the Vice Principal office and will

			be presented for further discussion and follow-up in IQAC meeting.
Parents feedback	From the parents during parents - teachers meeting held once in a year.	By the individual departments	Analysed by the Department and will be presented in the departmental meeting.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	5
UGC – Faculty Improvement Programme	8
HRD programmes (Tamil-3, Hindi-1, English-3, History-1, Commerce-6, Biotechnology-1, Mathematics-1, Physics-3, Chemistry-1, Botany-3, BBA-1, Fashion Designing-1, Computer Science-4 and CHRD-6)	435
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	96	9	6	10
Technical Staff	26	0	0	0

### Criterion – III

#### 3. Research, Consultancy and Extension

##### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution :

1. Documentation of Science Instrumentation and Special Laboratory facilities as a user manual.

The information about the various existing facilities (instrumental and special laboratory) available with each Science Departments and Centres have been collected and documented in a prescribed format. The documented information has been prepared as an information brochure projecting the details of special instruments and laboratory facilities available with the science departments of Lady Doak College.

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	2	-	-
Outlay in Rs. Lakhs	-	-	1907400	-

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	21	-	-
Non-Peer Review Journals	2	-	-
e-Journals	26	-	-
Conference proceedings	7	8	3

### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Dr. Mary Esther Rani	-	UGC	-	-
Dr. Shenbagarathai	-	UGC	-	-
Dr. V. Sridevi	2013-2014 to 2015-2016	UGC	1108800	744800
UGC - DAE Consortium (Ms. Vasantha)	2010 -2011 to 2014-2015	UGC - DAE	798600	779351

Minor Projects				
Dr. Ms.R.Latha	-	UGC	-	-
Dr.S.Vasantha	-	UGC	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of Departments receiving funds from

UGC-SAP CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

1. CSIR – 1, 2. DST SERB – 2, 3. BIF – 1, 4. DST INSPIRE - 1, 5.TNSCST – 1, 6. DBT INDO UK – 1, 7. ICSSR - 1

### 3.10 Revenue generated through consultancy

<b>Usage of Science Instrumentation facility and income generated through data measurement.</b>						
<b>S. No.</b>	<b>Use of Instruments</b>	<b>Number of internal samples analysed</b>	<b>Amount in Rs.</b>	<b>No of external samples analysed</b>	<b>Amount in Rs.</b>	<b>Total Amount Rs.</b>
1.	UV- Visible Spectrophotometer	205	2150.00	115	2975.00	5025.00
2.	FT-IR spectroscopy	176	8800.00	62	6200.00	15000.00
3.	HPLC	41	10250.00	7	3500.00	13750.00
4.	CHNS Analyser	21	5250.00	13	9750.00	15000.00
5.	Electrochemical analyzer	84	2100.00	2	100.00	2200.00
6.	Atomic Force Microscope (AFM)	16	4000.00	10	5000.00	9000.00
7.	Raman Analyser	6	60.00	-	-	60.00
<b>Grand Total</b>						<b>56035.00</b>

### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	3	2	-	-
Sponsoring agencies	-	UGC - 1	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons:

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency  From Management of College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist.	College		
Recognition								
1	1							
Research fellows								
61						Dept.	Full Time	Part Time
						Tamil	7	7
						Economics	5	4
						Physics	4	2
						Chemistry	3	3
						Botany	11	3
						Zoology	8	4
Ph.D. awarded (faculty members)								
4								4
Ph.D. submitted (faculty members)								
3								3
Ph.D. awarded (Research Scholar)								
5								5

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

22
61

3.19 No. of Ph.D. awarded by faculty from the Institution

5
---

3.20 No. of Research scholars receiving the Fellowships

JRF 

2
---

      SRF 

1
---

      Project Fellows 

1
---

      Any other 

13
----

3.21 No. of students Participated in NSS events:

University level 

350
-----

      Regional level 

950
-----

  
 State level 

-
---

      National level 

-
---

      International level 

-
---

3.22 No. of students participated in NCC events:

University level  State level   
State level  National level  International level

3.23 No. of Awards won in NSS:

University level  State level   
State level  National level  International level

3.24 No. of Awards won in NCC:

University level  State level   
State level  National level  International level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

#### **Participation in Extension Activities**

##### **A. Awards and Honours**

- \* The College has been awarded the BEST NSS SERVICE AWARD by Madurai Corporation during the Republic Day Celebration on 26th January 2015.
- \* Youth Red Cross has received the Certificate of Appreciation for the best performance in YRC Movement 2014 by Madurai Kamaraj University.
- \* Sindhuja of Biotechnology received the Best NSS Award at the State Level for the year 2011 -12 by Madurai Kamaraj University.

##### **B. Participation of Students and faculty members in extension activities**

- \* 12 NSS students served as Scribes for the visually challenged students of OCPM school for the mid-term examinations.
- \* Five LEB students attended the State Level Seminar on Environmental Protection at VHNSN Senthil Kumara Nadar College, Virudhunagar on 1st August 2014.
- \* YRC Students attended the 65th Geneva Convention Day – District Level Elocution Competition at Vivekananda College, Thiruvudagam, Madurai.

##### **C. Exhibition / Rally / Awareness programmes organized through extension activities**

- \* **Department of Commerce** conducted Consumer Awareness Rally insisting the Rights of Consumers on 10th Dec. 2014 in which 50 students participated.
- \* **Department of Commerce** conducted a Consumer Awareness Camp in Kudakipatti and Sukkampatti on 18th & 19th Jan. 2015 in which 30 students participated.

- \* **Dengue Awareness Camp** in collaboration with Madurai Corporation at Sellur. With the orientation of the Health officers on Dengue, students visited the houses of the locale, checked on proper storage of water and also created awareness in the minds of the public from 2nd to 9th December, 2014.
- \* **NSS Special Camps** were organised at three villages - Maniyanji, Marani Variyenthal and Chatrapatti with a focus on the theme "Health and Hygiene" 5th to 12th January 2015.

#### Criterion - IV

#### 4. Infrastructure and Learning Resources

##### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	18.40 Acre	-	Management	18.40 Acre
Class rooms	36082 Sq. Ft.	-	Management	36082 Sq.Ft
Laboratories	40770 Sq. Ft.	-	Management	40770 Sq.Ft
Seminar Halls	5478 Sq. Ft.	-	Management	5478 Sq.Ft
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	3	Grants from UGC, and Management Contribution	3
Value of the equipment purchased during the year (Rs. in Lakhs)	511	78.45	Grants from UGC, Central Government, Nano Science and Management Contribution	589.92
Others	-	-	-	-

4.2 Computerization of administration and library – Automation

**Strengthening College automation through MIS**

<b>MODULES&amp; Maintained by</b>	<b>TYPE</b>	<b>AREAS OF IMPROVEMENT DONE</b>	<b>GOAL FOR 2015</b>	<b>ACTION PLAN</b>	<b>EXPECTED OUTCOME</b>
ATTENDANCE	EXISTING	<ul style="list-style-type: none"> <li>• Changes in ICM</li> <li>• Changes in timetable</li> <li>• Feed in time table</li> <li>• Percentage of attendance calculation</li> <li>• Efficiency in Condonation list Processing</li> </ul>	<ul style="list-style-type: none"> <li>• To develop a flexible attendance system</li> </ul>	<ul style="list-style-type: none"> <li>• To prepare documentation of the existing process flowchart</li> <li>• To device plugins to incorporate changes</li> <li>• To implement a dynamic page</li> </ul>	<ul style="list-style-type: none"> <li>• An error free percentage calculation integrated with mark sheet</li> </ul>
FEES COLLECTION	EXISTING	<ul style="list-style-type: none"> <li>• Integrating various methods of fees collection into report format for: (POS,CASH,DD etc.) into online payment</li> <li>• Formulating the Category Creation in SBI Site</li> <li>• Fees Uploading- SBI Site</li> <li>• Dues List Calculation</li> <li>• Hostel fees I Yr moved from POS – Online Payment</li> <li>• Hostel fees I Yr Report</li> </ul>	<ul style="list-style-type: none"> <li>• To implement API for fees payment through Payment Gateway</li> </ul>	<ul style="list-style-type: none"> <li>• Signing statements between Bank-College-Third Party- In Process – Finalized by Feb 2015</li> </ul>	<ul style="list-style-type: none"> <li>• An error free, highly efficient , and user friendly payment process</li> </ul>

		format month wise splitting			
HOSTEL ADMISSION	EXISTING	<ul style="list-style-type: none"> <li>Allotment of Hostels</li> <li>Hostel fees Payment – POS</li> <li>Report Generation</li> </ul>	<ul style="list-style-type: none"> <li>The errors in the Allotment of Hostel was rectified</li> </ul>	<ul style="list-style-type: none"> <li>Duplication and Improper Hostel information for PG Students was rectified</li> </ul>	<ul style="list-style-type: none"> <li>Error Free System for future Admission</li> </ul>
PAY BILL	EXISTING	<ul style="list-style-type: none"> <li>IT Calculation- Aided &amp;Mgt</li> <li>Pay Bill generation – Management</li> <li>Pay Difference(Claim and Deduction)</li> <li>Arrear Bill</li> <li>Surrender Bill</li> </ul>	<ul style="list-style-type: none"> <li>Rectified error in the existing CMS system for Management Pay bill calculation</li> <li>New format for IT calculation Process was formulated for Aided Faculty</li> </ul>	<ul style="list-style-type: none"> <li>To develop a Pay bill Magement system integrating the Govt. and Mgt. Formats</li> </ul>	<ul style="list-style-type: none"> <li>Error Free integrated system</li> </ul>
EXAM	EXISTING	<ul style="list-style-type: none"> <li>Proforma Entry for student profile &amp; Department profile</li> <li>Entry of marks for formative test in the department &amp; 1 test Mark Analysis</li> <li>Proforma Entry for Examines List Generation of Mark Sheet, Course Certificate, Merit Certificate</li> </ul>	<ul style="list-style-type: none"> <li>Grid format for mark entry was designed and implemented</li> </ul>	<ul style="list-style-type: none"> <li>The report for Exam Fees calculation – Device new mechanism to evolve the fees list for students on time.</li> </ul>	<ul style="list-style-type: none"> <li>Integrated and Error Free system</li> </ul>

e-Assessment	EXISTING	<p><b>Part A (Objective type)</b></p> <ul style="list-style-type: none"> <li>• UG-I &amp; II year(Only Major &amp; Allied)</li> <li>• IIPG &amp; III UG- e-Comprehensive</li> </ul> <p><b>e-Question Bank</b></p> <ul style="list-style-type: none"> <li>• Questions Entry</li> <li>• Generation of Questions</li> <li>• Updating Question Bank</li> </ul>	<ul style="list-style-type: none"> <li>• Transparency for e-Assessment was incorporated – Check the score and Answers</li> <li>• Concept based Question Setting , Blue Print and Question Generation</li> </ul>	<ul style="list-style-type: none"> <li>• Incorporated transparency in e-assessment</li> <li>• Concept based QS in incorporated</li> </ul>	<ul style="list-style-type: none"> <li>• Error free e-Assessment Process</li> </ul>
e-Election	EXISTING and New Module	<ul style="list-style-type: none"> <li>• <b>2013-2014</b></li> <li>• Psychometric Test- Personality and Leadership Assessment</li> <li>• Report Generation</li> <li>• Cabinet Election – Psychometric analysis</li> <li>• 2014-2015</li> <li>• NEO Five-Facto Inventory-3 Test</li> <li>• Report Generation based on NEOAC T-Scores</li> <li>• Cabinet Election – NEO analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Incorporated the following requirement by developing a new system</li> </ul>	<ul style="list-style-type: none"> <li>• Coding for Report generation and analysis was formulated</li> </ul>	<ul style="list-style-type: none"> <li>• Error free system</li> </ul>
e-Library	EXISTING and New	<ul style="list-style-type: none"> <li>• <b>Library Management System</b></li> <li>• Barcode Reader</li> </ul>	<ul style="list-style-type: none"> <li>• Implementation is in Progress</li> <li>• Digital Archives –</li> </ul>	<ul style="list-style-type: none"> <li>• To integrate the entire modules under LMS</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated and user friendly LMS systems</li> </ul>

	Module	<ul style="list-style-type: none"> <li>• Auto Generation of Access No. and Book Details for Editing</li> <li>• Simultaneous implementation of VB to ASP.NET</li> <li>• Digital Archive</li> <li>• Server and Library Log analysis</li> <li>• Open Access Inhouse journal</li> </ul>	<p>Completed and in Testing Process</p> <ul style="list-style-type: none"> <li>• Server and Library Log analysis is in testing process</li> <li>• Open Access Journal-Incorporated</li> </ul>		
e-Registration of courses	EXISTING and New Module	<ul style="list-style-type: none"> <li>• <b>Short-term</b></li> <li>• <b>Value Based courses</b></li> <li>• <b>Elective</b></li> <li>• <b>Major Optional</b></li> <li>• <b>Extension Program</b></li> </ul>	<ul style="list-style-type: none"> <li>• Program Logic was reframed for NME and VBC Registration</li> </ul>		<ul style="list-style-type: none"> <li>• Integrated User Friendly Registration Process</li> </ul>
e-Postage	Existing & New Module	<ul style="list-style-type: none"> <li>• Ordinary Post</li> <li>• Book Post</li> <li>• UnRegistered Parcel</li> <li>• Air Mail</li> </ul>	<ul style="list-style-type: none"> <li>• Retrieving the address for postage from ASP and incorporate to ASP.NET</li> </ul>	<ul style="list-style-type: none"> <li>• Module developed and Tested</li> </ul>	<ul style="list-style-type: none"> <li>• Integrating existing and new system</li> </ul>
e-Booking of Halls	Existing & New Module	<ul style="list-style-type: none"> <li>• Open Air Theatre</li> <li>• Lunch Pavilion</li> <li>• Multimedia Theatres</li> <li>• GJ Auditorium</li> <li>• JX Miller Auditorium</li> <li>• Oval Room</li> <li>• Clapp Hall</li> <li>• Guest Rooms</li> <li>• Photographer</li> </ul>	<ul style="list-style-type: none"> <li>• Maintenance by rectifying the drawback in booking the rooms</li> <li>• New Module for LED monitor utilization and stock entry</li> </ul>	<ul style="list-style-type: none"> <li>• New module is under construction</li> </ul>	<ul style="list-style-type: none"> <li>• Integrating the smart class rooms and performing the statistical analysis of utilization</li> </ul>

		<ul style="list-style-type: none"> <li>• Videographer</li> <li>• <b>LED Monitor Rooms – Stock Entry and utilization</b></li> </ul>			
e-Admission	Existing & New Module	<ul style="list-style-type: none"> <li>• Online Application</li> <li>• Form Entry</li> <li>• Generating Rank List</li> <li>• Generation of Admission slip</li> <li>• Integrating Fees Payment and ID card generation</li> <li>• Integrating hostel with admission module</li> <li>• New: Online Fees Payment</li> </ul>	<ul style="list-style-type: none"> <li>• Creating module for integrating API for online fees payment</li> </ul>	<ul style="list-style-type: none"> <li>• Testing by Feb2015</li> </ul>	<ul style="list-style-type: none"> <li>• To impart an error free admission process</li> </ul>
Dean of Academic Affairs	Existing & New Module	<ul style="list-style-type: none"> <li>• Academic council Book</li> <li>• Course wise Syllabus</li> <li>• Evaluation Pattern</li> <li>• Faculty Feedback</li> <li>• Student Feedback</li> </ul>	<ul style="list-style-type: none"> <li>• Drawback in the updation process was rectified</li> </ul>	<ul style="list-style-type: none"> <li>• To integrate the upcoming boards of studies material and perform testing</li> <li>• Integrating the evaluation pattern with proforma-I</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated and formatted academic council booklet without error</li> </ul>
Faculty Profile	New Module	<ul style="list-style-type: none"> <li>• Faculty biodata</li> <li>• Faculty time Table</li> <li>• Faculty Onduty application</li> <li>• Submitting Reports and Approval of Leave</li> </ul>	<ul style="list-style-type: none"> <li>• Design an Integrated Faculty Management System Module</li> </ul>	<ul style="list-style-type: none"> <li>• Design Module for Faculty Biodata with Personal and Academic Aspects</li> <li>• Submission of OD through Online</li> <li>• Approval at various</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed Faculty Information system</li> </ul>

				category based on proper report submission <b>Deadline: To be completed by May 2015</b>	
Course Management System	New Module	<ul style="list-style-type: none"> <li>• Admin Setting</li> <li>• Privileges Setting for Faculty</li> <li>• Allotment of QMS File Maintenance</li> <li>• Template for concept based workplan</li> <li>• Attaching appropriate files under each QMS category</li> <li>• Integrating MOODLE with this module</li> </ul>	<ul style="list-style-type: none"> <li>• Collection of software tools providing an online environment for <b>course</b> interactions</li> </ul>	<ul style="list-style-type: none"> <li>• To be tested and implemented by JAN 2016</li> </ul>	<ul style="list-style-type: none"> <li>• To perform ontime completion of maintenance of details</li> </ul>
Student Information System	New Module	<ul style="list-style-type: none"> <li>• To Fetch Pre-Define data of student</li> <li>• Handling inquiries from prospective students</li> <li>• Handling the admissions process</li> <li>• Enrolling new students</li> <li>• Automatically creating class &amp; teacher schedules</li> <li>• Handling records of examinations, assessments, marks,</li> </ul>	<ul style="list-style-type: none"> <li>• In Process</li> </ul>	<ul style="list-style-type: none"> <li>• To be tested and implemented by MARCH 2016</li> </ul>	<ul style="list-style-type: none"> <li>• To meet the information needs of the students/parents</li> </ul>

		<p>grades and academic progression</p> <ul style="list-style-type: none"> <li>• Maintaining records of absences and attendance</li> <li>• Recording communications with students</li> <li>• Maintaining discipline records</li> <li>• Providing statistical reports</li> <li>• Maintenance Hostel/Dorm Management</li> <li>• Communicating student details to parents through a parent portal</li> <li>• Human resources services</li> <li>• Student health records</li> <li>• Transportation Management</li> <li>• Fees Management</li> <li>• Student Achievements</li> <li>• Template for Advisor to maintain records of their Advisee</li> </ul>			
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**Total no. of Modules: 19, Note: Maintenance of existing system and development of new modules**

### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	75,635	10,71,057	1091	466415	77,096	15,37,472
Reference Books			370			
e-Books	4	390692	5	346626	9	737318
Journals						
e-Journals						
Digital Database	148	264293	148	173213	296	437506
CD & Video	376	51628	80	37525	456	89153
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	<b>Total Computers</b>	<b>Computer Labs</b>	<b>Internet</b>	<b>Browsing Centres</b>	<b>Computer Centres</b>	<b>Office</b>	<b>Departments</b>	<b>Others</b>
Existing	711	464	16Mbps leased line		43	48	110	46
Added		(replacing of <b>55nos -UG LAB</b> ) Replacing of <b>15nos - Bioinformatics</b> <b>Computer with configuration</b> Dell Vostro 3800ST CI5(4460)/4/500/DVD/ 18/5/DOS/3YR- Dell 18.5" monitor- RAM DT 4GB DDR3)	<ul style="list-style-type: none"> <li>• 6 Mbps leased line</li> <li>• NMEICT – 10Mbps</li> <li>• Wifi access -70 access point</li> </ul>				<b>3-PHYSICS</b> (Dell Vostro 3800 ST/Core 1314 GB /500GB/DVD RW/KEYBOARD/MOUSE/18.5" /LED Monitor/Free DOS / 3years / Manufacturer warranty) <b>3- ENGLISH, FRENCH, EQUAL OPPORTUNITY CENTRES</b> (DELL INSP 3647SFF C13/4GB/500GB/DVD /WIFI/DOS-DELL MONITOR 18.5"-DELL SPEAKER)	Laptop - 1(library) All in one desktop – 10 Laptop -1 (LDCC) Benq Monitors-30 (LDCC) Laptop – 1 (women studies)
Total	727	464	32		43	48	116	56

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

#### **Implementation of Learning Management System using Open Source software - MOODLE:**

- Moodle was customized in LAN & WAN.
- User authentication was implemented
- Online submission of assignments & quiz were conducted

#### **Training to faculty members:**

- Training to link LMS (MOODLE ) in Teaching & Learning for faculty members was organised
- Orientation Programme on ***ICT ENABLED INNOVATIVE PEDAGOGIES FOR HIGHER EDUCATION*** was organised on March 28, 2015. Resource Person: **Dr. M. M. Pant**, Founder & Mentor, Planet EDU Pvt. Ltd. Gurgoan, Haryana.
- One Day Workshop on ***EFFECTIVE PEDAGOGY USING ICT TOOLS IN HIGHER EDUCATION on April 8, 2015.***

#### **Resource Persons:**

##### **Session I : 21 st Century Learning**

##### **Mr. S. Varadarajan**

Capability Architect – Early Engagement

Global Learning Solutions, Architecture and Management

Cognizant Technology Solutions, Chennai

##### **Session II: Enhancing Learning with Digital Experiences through Web Tools**

##### **Dr. Senthilnathan**

Assistant Professor,

Department of Educational Technology,

Bharathidasan University, Tiruchirapalli -20

4.6 Amount spent on maintenance in lakhs :

i) ICT	25.04
ii) Campus Infrastructure and facilities	30.78
iii) Equipments	16.94
iv) Others	11.90
<b>Total :</b>	<b>84.66</b>

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The college has established various Centres and Offices to disseminate all the information regarding student support services and guide them based on their needs. The detail of the services are given below:

<b>Name of the Office/ Centre / any other</b>	<b>Nature of Student Support Services</b>
Administrative office designated for student support services is the office of Deans of Student Services (DSS). All activities of students are managed by this office.	<ul style="list-style-type: none"><li>• Election of the officers of the Student council</li><li>• All Extracurricular programs</li><li>• Activities of college union</li><li>• All matters related to student scholarships</li><li>• Residential services</li><li>• Student amenities</li><li>• Health, food and transportation</li><li>• ID cards, lost articles, vehicle and lunch pass.</li></ul>
International Study Centre	All services related to international student exchange programs, international level exams, programs and scholarships
Departments	All services related to academics are taken care by the departments.
Career Guidance and Placement Cell	All services related to career and placement
Centre for Human Resource Development	All services related to the knowledge enhancement of students.
Counselling Unit	All issues related to the psychological/emotional needs of the students.
Centre for Entrepreneurship Development	All activities to develop entrepreneurial skills of the students.

#### **Special Programmes organised for students through Students Services Office to enhance their skills in different areas.**

1. The Inter-Collegiate Meet, EERAM '14 was organized on 6<sup>th</sup> September, 2014 from 9 am to 5 pm. 26 different competitions were conducted in 15 different venues and 321 participants from 14 colleges participated in the Meet.

2. Shri Ram Chandra Mission (SRCM) in collaboration with United Nations Information Centre for India and Bhutan organized ALL INDIA ESSAY WRITING EVENT – 2014 on the topic “To be truthful is to be human”. Ten Students participated in the competition and one of them (P. Shandini of II M.Com.) won II prize at the Zonal level.
3. A Cybercrime Awareness Programme was conducted for II UG Students on 16<sup>th</sup> October, 2014
4. The Open Forum Secretaries of the Student Cabinet J. Esther Rani and J. Jabeera Saleema conducted a debate in Open Forum on the topic ‘DRUG ADDICTION CAN BE CONTROLLED BY GOVERNMENT (or) AN INDIVIDUAL’.
5. Candle light vigil was organized by People’s Watch on 19<sup>th</sup> Dec. 2014 at Gandhi Museum, Madurai to express solidarity with the families of the victims of the terrorist attack on a school in Peshawar, Pakistan in which the resident students heartily participated.
6. A workshop was organized for all the resident staff members on 24<sup>th</sup> and 25<sup>th</sup> January, 2015. Ms. Reupah Philips from Bangalore was invited as the resource person.
7. Green Trends conducted a Hair Donation Drive on 14<sup>th</sup> February 2015 to create awareness about hair donation for making wigs for cancer patients.

Training / Exhibition / Awareness Programmes organized by the Department / Centres for School Teachers, School Children and Women through students:

8. Department of Computer Science organized COGNIZANCE '14 (A Knowledge Port) for School teachers on 26<sup>th</sup> Aug. 2014. 20 school teachers from nearby schools participated. Self sponsored programme without any financial support from outside.
9. Department of Commerce organized a “Consumer Awareness Programme” at PKN School, Pasumalai on 25<sup>th</sup> Aug. 2014 in which 350 students from VI to X Standard benefitted. The awareness programme was given by 40 students of Commerce Consumer Club.
10. Department of Commerce organized a “Rural Consumer Awareness Programme” on 4<sup>th</sup> July 2014 in which Rural Consumer Association Member & CCC Students participated. The President of the National Consumer Redressal Commission and the Madurai Collector were the resource persons
11. Department of Physics conducted Rajiv Gandhi Energy Day on the theme “Evolving a World of Sustainable Energy” on 20<sup>th</sup> Aug. 2014. Dr. Jeba Rajasekar from Government College, Mellur was the resource person.
12. Department of Chemistry organized a programme for school children on “Experience Chemistry Learning at Lady Doak College” on 11<sup>th</sup> October 2014 in which 60 school students near to the college participated.
13. Department of History organized a programme for school students on “Historical Significance of River Vaigai” on 20<sup>th</sup> Jan 2015 in which 60 students of IX and XI standard, from 10 schools in and around Madurai participated.
14. Department of Social Sciences organized a Signature Campaign by Bethshan Special School on 7<sup>th</sup> October 2014, the World Mental Health Day 2014.

## 5.2 Efforts made by the institution for tracking the progression

Following are the various ways by which the progression of students is monitored at different levels.

- \* Academic advising – at the Department Level
- \* Parent Teachers meeting – at the Department and College level
- \* Declaration of the results in the college website for easy access by the parents to track the progress of their wards
- \* Remedial coaching for slow learners

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3753	477	-	72

(b) No. of students outside the State

8

(c) No. of international students

15

Men	No	%	Women	No	%
	-	-		4290	-

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
79	170	-	1552	8	1801	77	160	-	1715	12	1952
172	97	-	1914	-	2183	198	106	-	2034	-	2338

Demand ratio: 1:20      Dropout % : 6%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Dept.	Details of the programme	beneficiaries
Zoology	Nature of programme: Tutoring is being done 2 days per week after regular classes.	Selected students in UG & PG
Mathematics	Nature of programme: Coaching for CSIR exam Resource Person: Mr. R. Gnanaprakasam, Assistant Professor, Government Polytechnic College, Andipatti	I & II PG students

Physics	Nature of programme: CSIR NET Coaching Resource person: Date: 10 <sup>th</sup> December, 2014 and 2 <sup>nd</sup> to 10 <sup>th</sup> March, 2015 & 7 <sup>th</sup> and 28 <sup>th</sup> January, 2015	PG and 4 M. Phil. Students
Chemistry	The Department of Chemistry launched a Cluster College Programme to develop proficiency in chemistry to clear CSIR-NET/JRF Examination. The Chemistry Departments of Ayya Nadar Janaki Ammal College (ANJAC), Sivakasi and Lady Doak College (LDC), Madurai have evolved under joint venture an exclusive CSIR-JRF/NET coaching program for the M.Sc. Chemistry students in colleges situated in and around Madurai and Sivakasi. The expertise and infrastructure of different colleges can be effectively utilised through a cluster college concept for this venture. Nearly seventy five students from ten colleges of Madurai and Virudhunagar districts have registered under this program and are undergoing the training program from November 2014 – March 2015.	75 students

#### 5.5 No. of students qualified in these examinations

NET	<input type="text" value="2"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="1"/>	CAT	<input type="text" value="5"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others*	<input type="text" value="53"/>

<b>Others* :</b>			
<b>Department</b>	<b>Name / No. of Student</b>	<b>Type of Exam</b>	<b>Year of Passing</b>
Business Administration	11	MAT	2014
	4	TANCET	2014
Botany	6	TET	2013
Commerce	6	CPT	June 2014
	11	ACS Foundation	June 2014
	1	IPCC	
	9	ACS Foundation	Dec. 2014
	3	CPT	Dec. 2014
English	1	TET	Sep. 2014
	1	CPT	Nov. 2014
<b>Total</b>	<b>53</b>		

## 5.6 Details of student counselling and career guidance

### A. Counseling Programme

1. Leadership Camp for students was conducted on 27<sup>th</sup> July 2014 in which 80 student leaders participated. Dr. Duke Jeyaraj from G4 Mission, Hyderabad was the resource person.

The following table shows the different activities organised by the Counselling Unit during 2014-2015.

Name of the Activity	Period	Beneficiaries	Description if any
Individual Therapeutic Counselling	July to August, 2014	36 (30 students, 3 faculty and 3 NTS)	One-to-one session each for an approximate duration of 45 min
Inter-Personal relationship session	July 2014	95 residents	Interaction sessions were held which would help individuals face, feel, own and share their feelings and understand others' feelings to strengthen interpersonal relationships 7 group sessions each for a duration of 1½ to 2 hours
	August 2014	40 residents	
Growth Group Session	July 2014	24 faculty members	Follow up sessions on rejection and acceptance helped to identify areas of self-improvement to strengthen oneself and their relationships 5 group sessions each for a duration of 2 hours
	August 2014	24 faculty members	

### B. Career Guidance and Placement Cell (CGPC)

S. No.	Organization Visited	Date	No. of Students Participated	No. of Students Placed
1.	Cognizant Technology Services – for ITPT	20.12.2014	326	60
2.	Tech Mahendra	10.1.2015	75	14
3.	NICE EDUCATION	20.1.2015	36	32
4.	WIPRO	6.2.2015	105	61
5.	McKinsey	12.2.2015	162	7
6.	ILM	17.2.2015	91	36
7.	TCS – BIZSKILL	18.2.2015	17	3
8.	Velammal School, Theni	20.2.2015	47	6

9.	Effluenz Informatics & Technotainments (EIT)	24.2.2015	105	10
10.	Sutherland Technologies	13.3.2015	39	2
<b>Total</b>				<b>231</b>

### Programmes conducted through CGPC

- \* Under National Skill Development Corporation's "Star Scheme" 4 courses were offered – Smart Phone Servicing Course, Retail Management Course, ITES course and course on Banking and Insurance under BFSI sector.
- \* 116 students got enrolled in Mobile Servicing and Retail Skills Management cleared the exam. College receives Rs.1,16,000/- towards infrastructure fee from the training company at the rate of Rs.1000/- per student.
- \* Two courses – ITES and BFSI sector skill training have been provided and 154 (81 for ITES and 73 for BFSI) students were enrolled in the two courses.

No. of students benefitted 501

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
11	1016	231	-

### 5.8 Details of gender sensitization programmes

The Centre for Women's Studies and Centre for Human Rights of the college has taken the following initiatives towards gender sensitization.

1. Inauguration of Silver Jubilee celebrations of Centre for Women's Studies held on 31<sup>st</sup> July 2014. Dr. Neelavalli, Founder Director of Initiatives of Women in Development – IWID, Chennai was the chief guest.
2. Inauguration of Students' Club "Uliyin Oli" was held on 15<sup>th</sup> August 2014
3. Two Inter Collegiate one-day workshops was conducted on the following topics to build partnerships between men and women for gender equality
  - Towards an Equitable Society on 22<sup>nd</sup> August 2014
  - Gender Equity on 30<sup>th</sup> Sept 2014
4. Candle light Vigil was organized on 8<sup>th</sup> Sep. 2014 in collaboration with US Consulate General, Chennai. 248 students participated in the procession
5. 16 day Activism against Gender based Violence was observed from 25<sup>th</sup> Nov. 2014. Deputy Comm., Law and Order spoke on how cyber space is used by perpetrators to show girls/women in obscene manner, safety measures to be followed and how to seek the help of Police personnel.

6. Students took an oath against gender based violence. Students used Facebook, Whats App, SMS, and other social networking platforms to promote campaign, highlighting violence against women. 1041 LDC students (III year Aided & SF) were involved in this campaign.
7. Palm printing against Gender based violence was held
  - at Lady Doak College on 26<sup>th</sup> Nov. 2014
  - at Govt. Law College, Madurai on 2<sup>nd</sup> Dec. 2014
  - at Madura College, Madurai on 8<sup>th</sup> Dec. 2014
8. Valedictory of 16 days of Activism on Human Rights Day on 10<sup>th</sup> Dec. 2014
9. Seven LDC students participated in the Seminar on 'Sexual harassment at Workplace' at SOCO Trust on 16<sup>th</sup> Dec 2014.
10. SMS campaign in WhatsApp, Facebook and other social networking sites took place with thought provoking quotes under the main theme '**Break the Silence and Stop the Violence**' from November 25<sup>th</sup> – 10<sup>th</sup> December 2014.
11. International Women's Day was celebrated on the theme on "Empowering Women, Empowering Humanity" on 7<sup>th</sup> March 2015. 1157 Lady Doak College students and 15 male students from other colleges participated. Ms. B. Rohini Ramdas, IAS, Additional Collector, Madurai District was one of the resource persons.
12. Tamil Nadu Federation of Women Lawyers [TNFWL] in collaboration with Rajiv Gandhi National Institute of Youth Development, Sriperumbudur, selected Lady Doak College to organize the LEGAL AWARENESS CAMP FOR WOMEN on 21<sup>st</sup> March 2015. Honble. Justice, Dr. S. Tamilavanan from Madurai High Court, Madras Bench delivered the inaugural address

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

#### No. of students participated in cultural events

State/ University level  National level  International level

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	448	2018139
Financial support from government	807	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	46	950884

S. No.	Scholarship	No. of Students Benefitted
1.	Management Scholarship	173
2.	Sports Scholarship	113
3.	Children of Non-teaching Staff who are studying in Lady Doak College	3
4.	Scholarships through Overseas donors	46
5.	Endowed Scholarship	54
6.	Work Scholarship	105
Tamil Nadu Government Scholarship		
7.	Minority Scholarship 2013-2014	8
8.	SC / ST Reg. Scholarship 2014-2015	148
9.	BC Scholarship 2014-2015	376
10.	DNC / MBC / PK Scholarship	133
11.	TMS (Tamil Medium Stipend)	106
12.	E.V.R. Nagammai Scholarship	22
13.	Higher Education Special Scholarship arrear 2014-2015	14
Total		1301

▪ **Endowed Prizes / Scholarships instituted**

The following endowments were received this year for scholarships & prizes and for conducting lecture series.

<b>S. No.</b>	<b>Endowed By</b>	<b>Name of the Award</b>	<b>Amount in Rs.</b>	<b>To be awarded</b>
1.	Dr. Nirmal	Dr. Nirmal and Dr. Nalinakishi Nirmal Scholarship	25,000/-	Needy student of III B.Sc. Mathematics with a minimum of 80% in Part III
2.	Department of Commerce	Department of Commerce Scholarship	2,00,000/-	Needy student of SF B.Com. – to all streams
3.	Dr. Nirmal	Dr. Nirmal and Dr. Nalinakishi Nirmal Scholarship	25,000/-	Needy student of II M.Sc. Mathematics with a minimum of 70% in Major and a project in Graph Theory
4.	Department of Biotech	Mrs. Olive Rawlin Endowed Scholarship	1,50,000/-	Deserving highly motivated student who faces unforeseen financial constraint
5.	Ms. Nagammai	S.P. Ramanathan Endowed Prize	15,000/-	For the best outgoing student in M.A. Tamil
6.	Ms. Nagammai	Nagammai Ramanathan Prize	15,000/-	For the best candidate who completes IPCC (both groups) before final year of study in the college
7.	Mr. Emmanuel Dhanaraj & Sophia Juliet Rani	Esther Teresa Dhanaraj Endowed Prize	10,000/-	For the best candidate in recognition of her outstanding participation in the activities of Oikonomia Club while maintaining good academic record
8.	Dr. R. Latha	Rajamma Latha Prize	10,000/-	For the best outgoing B.Com. student other than PA stream who completes inter exam of CA (IPCC), ICWAI or ACS while she is at college
9.	Mr. M. Selva Pandian	Grace Darling Muthiah Endowed Prizes	10,000/-	For the best candidate of in recognition of her outstanding participation in maintaining a good academic record

S. No.	Endowed By	Name of the Award	Amount in Rs.	To be awarded
10.	Department of Commerce	Commercium Endowed Lecture – Aided	1,50,000/-	Seminar & Workshop
11.	Department of Commerce	Merchandise Endowed Lecture – SF	1,50,000/-	Seminar & Workshop
12.	Ms. Vasanthi Dheenachandran	V.S. Chelliya Nadar	10,000/-	For the best candidate in III & IV semester BBA degree
13.	Ms. Renuka Sathiyaraj and Ms. Lekha Fenn	Mrs. Sally Isaac Memorial Prize	10,000/-	For a sincere needy hardworking II B.A. History student with good academic potential
14.	Dr. V. R. Isaac	Mrs. Sally Isaac Memorial Prize	10,000/-	For a III B.A. History student who inspite of socio economic challenges maintained a good academic record
15.	Mr. N.S. Amirtharajan	Muhil Prize	10,000/-	Candidate who has pursued higher education after a break of few year exhibiting determination and maintaining high academic record
16.	Department of Social Sciences	Mrs Nirmala Wycliff Prize	10,000/-	For the best candidate in Sociology
17.		Ms. Shanti Manuel Prize	10,000/-	For the best candidate in Psychology
18.		Golden Jubilee Endowed Scholarship	35,000/-	For the Post Graduate Programme (MSW)

#### 5.11 Student organised / initiatives

Fairs:

Regional Level  State/ University level  National level  International level

Exhibition:

Regional Level  State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students: 27

### **Participation in Extension Activities**

#### **A. Awards**

1. The College has been awarded the BEST NSS SERVICE AWARD by Madurai Corporation during the Republic Day Celebration on 26<sup>th</sup> January 2015.
2. Youth Red Cross received the Certificate of Appreciation for the best performance in YRC Movement 2014 by Madurai Kamaraj University.
3. Sindhuja of Biotechnology received the Best NSS Award at the State Level for the year 2011 -12 by Madurai Kamaraj University.
4. The University NSS Award 2012-2013 was given to Ms. J. Divyajothi, Department of Commerce on 10<sup>th</sup> November, 2014.

#### **B. Participation of Students in extension activities**

5. 12 NSS students served as Scribes for the visually challenged students of OCPM School for the mid-term examinations.
6. Five LEB students attended the State Level Seminar on Environmental Protection at VHNSN Senthil Kumara Nadar College, Virudhunagar on 1<sup>st</sup> August 2014.
7. YRC Students attended the 65<sup>th</sup> Geneva Convention Day – District Level Elocution Competition at Vivekananda College, Thiruvudagam, and Madurai.

#### **C. Exhibition / Rally / Awareness programmes organized in extension activities**

8. **Department of Commerce** conducted **Consumer Awareness Rally** insisting the Rights of Consumers on 10<sup>th</sup> Dec. 2014 in which 50 students participated.
9. **Department of Commerce** conducted a **Consumer Awareness Camp** in Kudakipatti and Sukkampatti on 18<sup>th</sup> & 19<sup>th</sup> Jan. 2015 in which 30 students participated.
10. **Dengue Awareness Camp** in collaboration with Madurai Corporation at Sellur. With the orientation of the Health officers on Dengue, students visited the houses in the locale, checked on proper storage of water and also created awareness in the minds of the public from 2<sup>nd</sup> to 9<sup>th</sup> December, 2014.
11. **NSS Special Camps** were organised at three villages – Maniyanji, Marani Variyenthal and Chatrapatti with a focus on the theme “Health and Hygiene” from 5<sup>th</sup> to 12<sup>th</sup> January 2015.

#### **D. Special Programmes**

12. Swachh Bharat Abhiyan programme was organised for the students of various Part V programmes
13. Road Safety Week was observed from 10<sup>th</sup> January to 13<sup>th</sup> January, 2015.
14. Blood Donation Camp organised by Youth Red Cross on 3<sup>rd</sup> February, 2015. Around 75 students donated blood.

#### **E. NSS Activities**

15. The second year NSS students participated in a human chain condemning “Violence against Women” on 29<sup>th</sup> November, 2014.
16. Student volunteers regularly visited the IAB School for the Blind to help the visually challenged students.
17. The second year students visited regularly Balamandiram and Sevashram Schools, where they tutored the school children using different teaching aids, games and skits.

#### **F. Library Service Programme**

18. Students rendered Service in Gandhi Museum Library

19. Donated books for Maniyanji Village Library, Kumaram
20. Served as voice donors in Helen Keller Talking Library

#### **G. Youth Red Cross**

21. Organised a Blood Donation Camp in collaboration with Rajaji Govt. Hospital, Madurai
22. A first aid demonstration to students was done by the Secretary of St. John's Ambulance
23. A Blood Donation Rally was conducted in view of the Blood Donation Camp.

#### **H. Red Ribbon Club**

24. All students participated in a rally to create awareness on "Clean India"
25. The students performed role plays about treating HIV positive persons in Adidraavidar Women's Hostel, Madurai
26. Screened movies on HIV Awareness in Adhidraavidar Women's Hostel, Madurai

5.13 Major grievances of students (if any) redressed: Nil

### **Criterion – VI**

#### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

##### **Vision**

Empowering young women through Higher Education

##### **Mission Statement**

To impart holistic education based on gospel values of love, Justice, equality and peace to young women from all strata of society and enable them to develop as intellectually mature, morally upright, socially responsible and spiritually inspired women leaders to serve the society. The learning processes and experiences are geared to liberate, transform and empower the learner and the learned (Teacher).

6.2 Does the Institution have a Management Information System (MIS)

This year the college evolved a strategic process to strengthen the existing college automation under MIS. This was one of the important action plans of IQAC for the year 2014-2015. The details are given below.

#### **Implementation of College Management Information System (MIS)**

##### **Objectives:**

- \* To identify potential applications for various levels of management
- \* To plan and implement these applications
- \* To develop a well structured, integrated and easy method to retrieve college information
- \* To have access to relevant data and documents

- \* To assist management in making routine decisions
- \* To serve as a strategic tool to gain competitive advantages
- \* To provide an up-to-date, multifaceted and easy view of the academic and administrative information

#### **Action Plans:**

- \* Visit to other Institutions
- \* Training for developing process flow chart and project documentation
- \* Meeting with experts from IT company
- \* Requirement analysis about the existing system
- \* Conducting review meetings to refine the process
- \* Identifying the flaws in the existing system
- \* Preparing the process flow charts for the existing system
- \* Preparing the process flow charts for the e-governance and Academic Module
- \* Formulating the strategy to make the existing system error free
- \* Implementing new modules to design and implement a full-fledged MIS
  - \* **Infrastructure:**
    - Virtualization
    - Storage enhancement
    - Wi-Fi connectivity in hostels
    - Web server on campus

#### **Work Completed:**

- \* An exposure visit to Christ University for strengthening MIS- January, 2015
- \* IT Policy for strengthening the automation system was framed
- \* Process flowchart and documentation of 65% of the existing automation process was completed
- \* Meeting with external experts like Mr. Sebash Khan, CEO, Suriya Infotech, Mr. Sivaraj Ramanathan, CEO, Winways and Mr. Senthil, CEO, Eminent Technology Solutions was carried out during the period Oct. – Dec., 2014.
  - Suggestions was given after reviewing the process flowchart to further strengthen the automation system
  - Innovative ideas were given to design, test and implement the new designs
- \* Infrastructure Facilities:
  - Diskless computing devices were implemented in language lab to enhance the client virtualization concept and to reduce the power consumption, promote energy saving
  - Storage server for Library and QMS were implemented to enhance the secured storage and access of information using user privileges.
  - Secured and Authentic Wi-fi connections were given in Hostels, GJ Auditorium and other academic halls in the college

#### **Outcome of the plan:**

- \* Standardized the operational flow chart
- \* Standardized IT Policy
- \* Process flow chart and documentation work carried out for the existing system and newly developed system

### 6.3 Quality improvement strategies adopted by the institution for each of the following:

#### 6.3.1 Curriculum Development

##### A. New Academic Programmes

The Madurai Kamaraj University has granted affiliation for B.Com (Hons) & B.Sc. Fashion Designing

##### B. Change of nomenclature

Nomenclature of the Existing Course	Change of Nomenclature Granted
B.Sc. Botany (Specialization in Industrial Microbiology)	B.Sc. (Special) Botany (Aided)
M.Com with Computer Application	M.Com. (Self-financed)

##### C. Government order issued related to Equivalence of Degrees

S.No.	Aided / Self-financed	Name of the Course offered	Equivalent	Reference G.O No.
1.	Aided	B.Sc. (Special) in Botany (Specialization in Industrial Microbiology)	B.Sc. Botany	Higher Education (K2) Department G.O. (Ms) No. 112 dated 18.7.2014
2.		B.A. Economics with specialization in Corporate Economics	B.A. Economics	
3.		B.Sc. (Special) Physics	B.Sc. Physics	Higher Education (K2) Department G.O.Ms. No. 116 dated 22.7.2014
4.		B.Sc. (Special) Mathematics	B.Sc. Mathematics	Higher Education (K2) Department, G.O. (Ms) No. 212 dated 17.12.2014
5.		B.Sc. (Special) Zoology specialization in Biotechnology	B.Sc. Zoology	Higher Education (K2) Department, G.O.Ms. No. 27 dated 13.02.2014
6.		M.Sc. Zoology specialization in Biotechnology	M.Sc. Zoology	
7.	Self-financed	B.Sc. (Special) Physics with specialization in PC Hardware and Networking B.Sc. (Special) Physics with Computer Applications (title changed)	B.Sc. Physics B.Sc. Physics	Higher Education (K2) Department G.O.Ms. No. 116 dated 22.7.2014

8.		B.Sc. Mathematics with Computer Applications	B.Sc. Mathematics	Higher Education (K2) Department G.O. (Ms)No. 72 dated 30.4.2013
9.		B.Com – Commerce with Corporate Secretaryship	B.Com	
10.		B.Com – Commerce with Computer Applications	B.Com	
11.		M.Com – Commerce with Computer Applications	M.Com	

### 6.3.2 Teaching and Learning

#### A. Faculty Recharging

The College has deputed the following faculty members for State level, National level and International level seminars and workshops to enhance their knowledge.

Name	Name of the Programme	Place	Date	Remarks
Ms. M. Magdalene English	Evangelical Teacher's Conference	Kotagiri	15 <sup>th</sup> to 18 <sup>th</sup> May 2014	Participated
Dr. Roopa Ravikumar Soc. Sc. And Mrs. J.S.Jemima Jeyapriya, Tamil	National 32 <sup>nd</sup> Teachers Training Programme organized by ICRDCE	Asha Nivas, Chennai	9 <sup>th</sup> – 14 <sup>th</sup> June 2014.	Participated
Ms. Lourdhu Mary, Zoology	"Information and Communication Technologies (ICTs) in making a Healthy Information Society"	Andhra Loyola College in collaboration with Krishna University, Vijayawada	11 <sup>th</sup> & 12 <sup>th</sup> Aug. 2014	Participated
Ms. Hannah Samuel English				Presented a Paper on "ICT" and Learner Autonomy
Ms. J. Anne Suzanne Vandana, Business Administration	Psycho – Educational Skills	The American College	24 <sup>th</sup> to 29 <sup>th</sup> Nov. 2014	Participated
Dr. Christianna Singh, Economics & Dr A. Priscilla, Zoology	National Conference on "Higher Education Agenda of Next Generation Teachers"	Asian Centre for Cross-Cultural Studies and AIACHE, Chennai	26 <sup>th</sup> & 27 <sup>th</sup> Sep. 2014	Participated

Name	Name of the Programme	Place	Date	Remarks
Ms. Jemima Jeya Priya Ms. Hannah Sofia Samuel	Advance Leadership Seminar	Madras Christian College, Chennai	20 <sup>th</sup> to 22 <sup>nd</sup> Jan. 2015	Participated
Mrs. Priscilla Paul Maths & Dr. Sarah, Commerce	National Conference on Life Skills and Youth Empowerment	Crossland College, Udipi, Karnataka	24 <sup>th</sup> & 25 <sup>th</sup> Feb. 2015	Participated Presented a paper on Integrating Life Skill Education in Curriculum
Dr. Synthia, Social Sciences and Dr. Priscilla, Zoology	National Seminar on Quality Enhancement Role of Higher Edn. Leadership in Preparing Next Generation Leaders towards Institutional Development	St. Francis College for Women, Hyderabad	6 <sup>th</sup> & 7 <sup>th</sup> Feb. 2015	Paper presented on Leadership Development : The Lady Doak College Experiences – BEST PAPER Award

## B. Faculty members who attended Workshops and Seminars abroad

- \* Dr. A. Mercy Pushpalatha, Principal & Secretary, attended the Leadership Training at Hawaii, USA, from 1<sup>st</sup> to 26<sup>th</sup> April 2014.
- \* Ms. Anita Tiphagne, Assistant Professor of Social Sciences, participated in a five-week residential program of United Board's Institute of Advanced Study of Asian Culture and Theologies (IASACT 2014) at the Chinese University of Hong Kong organized by the United Board for Christian Higher Education in Asia from 2<sup>nd</sup> June to 5<sup>th</sup> July 2014 and presented a paper.
- \* Dr. A. Mercy Pushpalatha, Principal & Secretary, participated in the "Triennial Conference of Colleges & Universities of the Anglican Communion" (CUAC) at the Sungkonghoe University, Seoul, South Korea, from 5<sup>th</sup> to 11<sup>th</sup> July 2014
- \* Dr. Suka Joshua participated in the "CUAC Chaplain's Conference" at Sungkonghoe University, Seoul from 5<sup>th</sup> to 14<sup>th</sup> July 2014 and presented a paper on 'Education, Evangelization and Emancipation'
- \* Mrs. Hepzibah Joseph, Associate Professor of History, Dr. R. Nimma Elizabeth, Associate Professor of Physics & Dr. M. Helen Mary Jacqueline, Assistant Professor of Economics attended the "United Board Academic Leadership Seminar" organized by United Board for Christian Higher Education in Asia (UBCHEA) at the University of Macau, Hong Kong from 4<sup>th</sup> to 8<sup>th</sup> Aug. 2014. Dr. M. Helen Mary Jacqueline presented a paper.
- \* Dr. A. Mercy Pushpalatha, Principal & Secretary, was invited to present a paper in an international forum on the theme: "SL in Review: A Focus on Ethical and

Human Protection Issues in the Practice of Community-Based Academic Learning”, held on 1st & 2nd September 2014 at Silliman University, Dumaguete City, Philippines organized by The Asian Christian Faculty Fellowship in the Philippines (ACFF-P). The title of her presentation was “Agenda of Higher Education gets accomplished through Service - Learning - Lady Doak College Experiences”.

- \* Dr. Beulah J.M. Rajkumar, Associate Professor of Physics, attended “Haggai International Leadership Seminar” at Hawaii from 1<sup>st</sup> to 27<sup>th</sup> September, 2014.
- \* Dr. Christianna Singh participated in the 2014 “Association of Christian Universities and Colleges in Asia Biennial Conference” and “20<sup>th</sup> General Assembly: Values Education : A Vital Constituent for Successful Education in the 21<sup>st</sup> Century” from 24<sup>th</sup> to 26<sup>th</sup> October 2014 at Fu Jen Catholic University & Aletheia University, New Taipei City, Taiwan (R.O.C.)
- \* Mrs. Hepsibah Joseph participated in the “United Board for Higher Education in Asia (UBCHEA) Academic Leadership Programme” at Valparaiso University, Indiana, USA from 20<sup>th</sup> August to 19<sup>th</sup> Dec. 2014. Also attended a National Conference of the African Studies Association (ASA) on ‘Rethinking Violence and Reconstructive Reconciliation in Africa’ at Indianapolis, Indiana, USA on 20<sup>th</sup> Nov. 2014.
- \* Dr. W. Isabel participated in “International Conference of Presidents/Principals”, Malaysia, from 1<sup>st</sup> to 4<sup>th</sup> November 2014, organized by International Association for Promotion of Christian Higher Education, (IAPCHE)
- \* Dr. R. Nimma Elizabeth, attended the “United Board Fellows Program” at EWHA Womans University, Korea from 1st September to 22nd December 2014.
- \* Ms. Anne Suzanne Vandana, Presented a paper in the 7th EWHA Global Empowerment programme from Jan 6<sup>th</sup> to 20<sup>th</sup>, 2015 organized by EWHA Woman’s University, Seoul, South Korea.
- \* Dr. Lily Jayaseeli Balasingh, attended the Oberlin Shansi Faculty Enrichment Programme at Ohio, USA from 27<sup>th</sup> January to 31<sup>st</sup> May 2015
- \* Ms. Anita Tiphagne, was invited by Prof. Martha Rampton of Pacific University to finalise the MoU with the Centre of Gender Equity of Pacific University and Lady Doak in March 2015

### **C. Refresher Course**

- \* Mrs. Janaki Ganapathy and Mrs. Ruth Rebecca, Assistant Professors of Economics have participated in the Refresher Course on “Sustainable Development for the Indian Economy” from 2<sup>nd</sup> to 28<sup>th</sup> September 2014 at Madurai Kamaraj University.
- \* Mrs. Daphne Joseph, Associate Professor of French has participated in the Refresher Course on “Comparative Literature” from 7<sup>th</sup> to 27<sup>th</sup> November 2014 at Academic Staff College, The University of Burdwan, Burdwan.
- \* Mrs. Priyatharshini Rajendran, Assistant Professor of Zoology has participated in the Refresher Course in Life Sciences on the theme “Recent Trends in Life Science Research” from 23<sup>rd</sup> December 2014 to 12<sup>th</sup> January 2015 at School of Biological Sciences, Madurai Kamaraj University.

- \* Mrs. S. Kavitha, Assistant Professor of Mathematics has participated in the Refresher Course in Mathematics from 3<sup>rd</sup> to 23<sup>rd</sup> February 2015 at Madurai Kamaraj University.

**D. Faculty Training Programmes / Workshops Conducted by the Departments in order to enrich the knowledge of the faculty members in their subject.**

Department	Name of the Programme	Date
Tamil	Prof. Rajammal Selvanayagam Lecture Series	27 <sup>th</sup> Aug. 2014
	Rev. G.U. Pope and Prof. Rani Jhansi Bai Endowment Lecture Series	28 <sup>th</sup> Oct. 2014
	Workshop on Question Paper Setting	1 <sup>st</sup> & 2 <sup>nd</sup> Dec. 2014
Hindi	Lecture on "Spoken Hindi through Media"	16 <sup>th</sup> July 2014
English	Workshop on Question Paper Setting	10 <sup>th</sup> Dec. 2014
	Regional Workshop on Comparative Literature	28 <sup>th</sup> Jan. 2015
	Dr. Jane Mangalam Stephen Endowment Lecture Series	26 <sup>th</sup> Feb. 2015
History	Faculty training on Archives Keeping and Museology	9 <sup>th</sup> & 20 <sup>th</sup> Feb. 2015
Commerce	Current Affairs Forum	4 <sup>th</sup> July 2014
	Workshop on Question Setting	23 <sup>rd</sup> Aug. 2014
	Workshop on Modeling the Way	30 <sup>th</sup> Aug. 2014
	Commercium Endowment Lecture Series on Green Banking Initiatives and its impact on Economic Reforms	8 <sup>th</sup> Oct. 2014
	Innovative Teaching Practices in Management and Commerce	31 <sup>st</sup> Jan. 2015
	"Training in Tally E.R.P 9.0"	18 <sup>th</sup> & 19 <sup>th</sup> Feb.2015
	"Proposal Writing"	28 <sup>th</sup> Feb. 2015
Biotechnology	One day workshop on "Transformation, TA cloning and Blue white screening" - Lab in rDNA technology	15 <sup>th</sup> July 2014
Mathematics	Training on Visual Programming	7 <sup>th</sup> to 21 <sup>st</sup> Aug. 2014
Physics	Faculty training on Question Setting	20 <sup>th</sup> Feb. 2015
	Application of Remote Sensing and GIS	14 <sup>th</sup> Mar. 2015
	Python Software	21 <sup>st</sup> Mar. 2015
Chemistry	Prof. Evelyn Endowment Lecture Series on Advances in Crystallography	2 <sup>nd</sup> March 2015
Botany	Workshop on "Item Writing and Preparation of Question Bank and Validation of Question Papers"	29 <sup>th</sup> Nov. 2014

Department	Name of the Programme	Date
	Faculty Training on “Introduction to Spectroscopy, Principle and Applications of Various Spectroscopic Techniques”	2 <sup>nd</sup> Dec. 2014
	“Analysis and Interpretation of Spectra (UV Visible and FTIR ) of Biological Samples”	21 <sup>st</sup> Feb. 2015
Business Administration	One day Faculty Training on “Innovative Teaching Practices in Management and Commerce”	31 <sup>st</sup> Jan. 2015
Computer Science	Training on Web Analytics	22 <sup>nd</sup> to 30 <sup>th</sup> July 2014
	Workshop cum Training on “Digital Image Processing using Scilab”	5 <sup>th</sup> Aug. 2014
	Training on Question Setting based on Bloom’s Taxonomy	29 <sup>th</sup> Oct. 2014
	State Level Workshop on Big Data Analysis, Mining and Tools	27 <sup>th</sup> Feb. 2015
Fashion Designing	Workshop on Design – Ideation, Creation and Development	27 <sup>th</sup> Feb. 2015

### 6.3.3 Examination and Evaluation

- \* Standardization of the Question paper pattern for Summative examinations for all the courses under UG & PG programmes of the college.
- \* Standardization of the table of specification (blueprint) for the setting of questions papers for summative examinations
- \* Making Part - A e-assessment results transparent to the students after the examinations – to be implemented in Oct. / Nov. 2014 Examination.
- \* From the Academic year 2014 - 2015 June, Supplementary Examinations to be conducted for VI Semester papers only. Odd Semester Supplementary Examinations to be conducted in Oct. / Nov. and Even Semester Supplementary Examinations to be conducted in April.
- \* Creation of question bank for Part B, C & D (Descriptive type) (under process)

### 6.3.4 Research and Development

#### A. Ph.D. Awarded for the faculty members

1. Mrs. A. Kamalam, Assistant Professor of Tamil completed her Viva Voce on 21<sup>st</sup> March 2014, on the topic “*Ecological Views in Thevaram*” - ‘தேவாரத்தில் சுற்றுப்புறச்சூழியல்’
2. Mrs. Saral Rajamani, Associate Professor in Commerce (SF) completed her Viva Voce on 17<sup>th</sup> May 2014 on “Leadership of Women Entrepreneurs in Madurai District – A Swot Analysis’
3. Mrs. Carmel Richard, Associate Professor of Mathematics completed her Viva Voce on 14<sup>th</sup> August 2014 for her thesis on “*Studies on Nano Topological Spaces*”

4. Mrs. Margaret Divya, Assistant Professor of Commerce (SF) completed her Viva Voce on 31<sup>st</sup> December 2014 on “A Study on the Human Resources Management Practices in TV Sundram Iyengar and Sons Limited, Madurai.”

**B. The following faculty members have submitted their thesis before joining Lady Doak College and they have been awarded the Ph.D. Degree in 2014-15**

1. Mrs. S. Amutha, Assistant Professor of Commerce (SF) completed her Viva Voce on 30<sup>th</sup> July 2014 for her thesis on “*Impact of Prudential Norms on Financial Performance of Tamilnadu State Co-operative Bank Ltd*”
2. Mrs. Priti Latha, Assistant Professor of Hindi, completed her Viva Voce on 19<sup>th</sup> August 2014 for her thesis on “Sathottaree Hindi Natakon Mein Stree Vimarsh’
3. Mrs. Annie Priyatharshini, Assistant Professor (SF) of English completed her Viva Voce on 16<sup>th</sup> October 2014 on “ Bharati Mukherjee’s Novels : A Cross-Culture Study”

**C. Ph.D. Awarded for the Research Scholars**

1. Mr. K. R. Srinivasan, Part-time Research Scholar, Department of Economics, has completed his Viva Voce on “A Study on the Role of Small Scale Industries in the Economic Development of Madurai District” on 17<sup>th</sup> November 2014 under the guidance of Dr. S. Mumtaj Begum
2. Ms. Neeta V.M. Joshi, Research Scholar, Department of Botany, has completed her Viva Voce on 27<sup>th</sup> October 2014 on “Haemagglutinic and Anticancer Activity of Selected Seaweeds from Mandapam Coast, Tamilnadu” under the guidance of Dr. S. Sri Sudha
3. Ms. P. Kiruthika Lakshmi, Research Scholar, Department of Botany, completed her Viva Voce on 28<sup>th</sup> October 2014 on “Molecular Profiling of Toxic Cyanobacterial Strains from the Algal Blooms of Contaminated Water Bodies of Madurai, Tamilnadu” under the guidance of Dr. S. Srisudha
4. Ms. S. Sathya, Full-time Research Scholar (Stipendiary) JRF-DBT Major Research Project under the guidance of Dr. S. Srisudha has completed her Viva Voce Examination on 19<sup>th</sup> December 2014 on “Lipid and Fatty Acids Profile of Green Algae”
5. Ms. Dulcy Pushba Rani, Part-time Research Scholar in Economics, has completed her Viva Voce on 23<sup>rd</sup> January 2015 under the guidance of Dr. P. Gnanasoundari on “An Economic Study on Self-Employment Scheme for Women with Special Reference to Swarna Jayanthi Gram Swarozgar Yojana (SGSY) in Madurai District”.

**D. FDP under UGC XII Plan**

The following faculty members are awarded fellowship under UGC Faculty Development Programme during XII plan to complete their Ph.D.

- \* Mrs. J.S.Jemima, Assistant Professor, Department of Tamil

- \* Mrs. C.Dhamayanthi, Assistant Professor, Department of Tamil
- \* Mrs. J. Jullie Prathiba, Assistant Professor , Department of Tamil
- \* Mrs.P.Devi Priya, Assistant Professor, Department of Economics
- \* Mrs. Esther Daniel, Associate Professor, Department of Mathematics
- \* Mrs. J. Chithra, Associate Professor, Department of Mathematics
- \* Mrs.S.P.Jeyakokila, Assistant Professor, Department of Mathematics
- \* Mrs. S.Julie Rane, Assistsant Professor, Department of Chemistry

**E. Research Scholars enrolled under the guidance of the college faculty members till this academic year (2014 -15)**

S. No.	Department	Full -time	Part-time	Total
1	Tamil	7	7	14
2	Economics	5	4	9
3	Physics	4	2	6
4	Chemistry	3	3	6
5	Botany	11	3	14
6	Zoology	8	4	12
	TOTAL	38	23	61

**F. Faculty Publications**

Departments	Research Papers in the Journals	Articles in a Book	Conference Proceedings	Database	Books Published
Maths	8	-	-	-	-
Physics	7	-	-	-	-
Chemistry	6	-	-	-	-
Botany	4	-	2	-	-
Zoology	1	-	-	2	-
Business Administration	3	-	-	-	-
Tamil	-	-	7	-	1
Commerce	-	2	5	-	
English	-	-	-	-	1
Economics	1	3	3	-	-
Computer Science	-	-	5	-	-

<b>Department</b>	<b>Author(s) and Title of the Paper</b>	<b>Nature of Publication</b>
<b>Mathematics</b>	Dr. Carmel Richard, Note on Nano Closed Sets via $\theta$ -sets, International Journal of Mathematical Sciences Engineering Applications, Vol. 8 No. IV (2014), 41-51	Paper Publication
	Evangeline Jeba, Introduction to Signed Brauer Algebra, International journal of Computer Science and Information Technologies, Volume 5, Issue 3, pages 4317- 4319 , 2014, ISSN- 0975-9646	Paper Publication
	Evangeline Jeba, Discriminants to Brauer Algebra ,International Journal of Computer Science and Information Technologies, Volume 5, Issue 3, pages 4536- 4520, 2014, ISSN – 0975-9646	Paper Publication
	Evangeline Jeba, Application of Soft Set in Brauer Algebra in IRAJ RESEARCH FORUM , in association with Institute of Research and Journals, Nov 2014, vol. 1 , issue – 1, ISBN: 978-93 – 84209 – 64- 3	Paper Publication
	J. Sakila Devi, Fuzzy Mathematical Archive vol- 7, no.1, 2015, 81-89, ISSN : 2320 -3242 (P), published, 22 Jan 2015	Paper Publication
	J. Sakila Devi Edge chromatic $\Delta$ -critical graphs – International Research Journal of Mathematical Sciences volume 3, issue 2, pages 658 – 662, ISSN 2278 – 8697	Paper Publication
	Nirmala Rebecca Paul, Remarks on Soft omega – closed sets in soft topological spaces, Bol. Soc.Paran.Mat V 331(2015) 181- 190	Paper Publication
	Nirmala Rebecca Paul, Rough Topology Based Decision Making in Medical Diagnosis in International Journal of Mathematics Trends and Technology, V 18 (2015)1 – 40 - 45	Paper Publication
	<b>Physics</b>	M. Nidya, M. Umadevi, Beulah J.M. Rajkumar, Structural, Morphological and Optical Studies of L-cysteine Modified Silver Nanoparticles and its Application as a probe for the Selective Colorimetric Detection of $Hg^{2+}$ SpectrochimicaActaPart A: Molecular Biomolecular Spectroscopy 133(2014) 265-271, (IF 2.129)
Beulah J.M. RajKumar, M.Uma Devi, Pranitha Sankar Regi Philip, M.Nidya, l-Phenylalanine Functionalized Silver Nanoparticles:		Paper Publication

Department	Author(s) and Title of the Paper	Nature of Publication
	Photocatalytic and Nonlinear Optical Applications. Journal of Optical Materials, IF 2.00	
	Beulah J.M. RajKumar, T.N.Rekha, M.Uma Devi, Structural and Spectroscopic Study of Adsorption of Naphthalene on Silver., Journal of Molecular Structure , IF - 1.599, Vol. 1079, p. 155 - 162 Beulah J.M. Raj Kumar , M. Nidya, M. Uma Devi, "Structural, morphological and optical studies of L-Cysteine Modified Silver Nanoparticles and its Application as a probe for the Selective Calorimetric Detection of Hg <sup>2+</sup> , Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy, IF - 1.98, Vol. 133, p. 265 - 271	Paper Publication
	Beulah J.M. Raj Kumar, Shruti Suryakumar and G. Jayanthi Kalaivani, "Fabrication of Low Cost Soil Moisture Sensor For Irrigation Water Management" International Journal of Advanced Research , IF - 0.284, Vol.2, p. 560 - 571	Paper Publication
	Beulah J.M. Raj Kumar and Ms. Rekha T.N. "DFT Study on Silver Clusters using Dimers, Trimers and Tetramers as Building Units", Canadian Journal of Physics, IF - 0.928, Vol. 256	Paper Publication
	Beulah Raj kuamar, M. nidhya, M. Umadevi, L-Glutamic acid functionalized silver nanoparticles and its nonlinear optical applications, Journal of material science, DOI: 10.1007/s 10854-015-2956-9 JMSE-D-14-01822.150.	Paper Publication
<b>Chemistry</b>	A. Mercy Pushpalatha, G. Sivagamisundari, S. Julie Rane "Silica Bonded S -sulphonic Acid as a Green Catalyst in the Synthesis of Functionalized Pyrimidine under Solvent - Free Microwave Irradiation Conditions". International Journal of Scientific Engineering and Technology (2014), Volume 3, issue No-7: 852-855, impact factor-0.489.	Paper Publication
	A. Shahira Banu, K. Yazhini, S. Mathiya S.K.Suja, G.Jayanthi Kalaivani, "Spectral and Cyclic Voltammetric Monitoring of Removal of Crystal Violet using Carica Papaya Seeds", Research Journal of Pharmaceutical , Biological & Chemical Sciences 214 - 230 5(2) 2014.Impact factor-0.35.	Paper Publication
	E.Jackcina Stobel Christy, J.Jasmin Glory Kiruba, K.Suganya, S.Pavala Madhumitha S.K.Suja, G.Jayanthi Kalaivani "Extraction of Pectin from	Paper Publication

Department	Author(s) and Title of the Paper	Nature of Publication
	Fruit Wastes- an Effective Method of Municipal Solid Waste Management”, International Journal of Advanced Research (2014), Volume 2, Issue 2, 936-944. Impact factor-1.659	
	S.K.Suja, G.Jayanthi Kalaivani, R.Lavanya “Drug-Drug Interaction & DNA Binding Studies of Azathioprine – An Antileuketonic Drug”, Research Journal of Pharmaceutical, Biological & Chemical Sciences 176-186 - 5 (2) 2014. Impact factor-0.35.	Paper Publication
	K. Mahalakshmi, K. Yazhini, S. Mathiya, G.Jayanthi Kalaivani, S.K.Suja, A Novel approach to Investigate Adsorption of Crystal Violet from Aqueous Solutions using Peels of Annona squamosa, Iranica Journal of Energy and Environment 5(2), 113-123, 2014. Impact factor: 1.0597	Paper Publication
	A. Mercy Pushpalatha, G. Sivagamisundari, S. Julie Rane, Molecular Docking Studies of Synthesized Pyrimidine Derivatives for Anti-hyperthyroidism, International Journal on Science Engineering and Technology, Vol. 17, No. 7, August 2014. Impact factor: 1.873	Paper Publication
<b>Botany</b>	Nathan Vinod Kumar, Mary Esther Rani, Gunaseeli.R, N.D. Kannan and J. Sridhar. Process Optimization and Production Kinetics for Cellulase Production by Trichoderma viride VKF3. Springer Plus. 3: 92. 2014	Paper Publication
	Dhurigai N, Rachel Regi Daniel and Pitchumani Angayarkanni S. “A Phylogenetic Study of Plant, Animal and Microbial Hemoglobin using MEGA”. International Journal of Current Microbiology and Applied Sciences, 3(9) 728 -735. (Impact Factor : 1.594) 2014.	Paper Publication
	Dhurigai N, Rachel Regi Daniel and Rufus Auxilia L. Structure Determination of Leghemoglobin using Homology Modeling. International Journal of Current Microbiology and Applied Sciences 3(10) pp.177-187. (Impact Factor : 1.594) 2014.	Paper Publication
	Aarthy.K and Deivanai.K “Evaluation of Antibacterial Potentials of Some edible Mushroom Species”, International Journal of Current Research in Chemistry and pharmaceutical science, vol.1issue -8, pp-116 – 121, (Impact Factor : 0.632) 2014	Paper Publication

<b>Department</b>	<b>Author(s) and Title of the Paper</b>	<b>Nature of Publication</b>
	S.Sree Gayathri, Rachel Regi Daniel and Shenbagaradhai, Green synthesis and characterization of silver nanoparticles using leaf extract of Terminalia chebula. International conference on Recent advances in Bionano-science & Technology, Pg -61. Biosummit – 2015.	Proceedings
	Vinod Kumar, Mary Esther Rani, R.Gunaseeli and N.D.Kannan Utilization of medicinal oil effluent for lipase production by Penicillium Citrinum MKF3, National Seminar on Integrated Waste Management and Energy Recovery, Pg.no.24, IWMER- 2015.	Proceedings
<b>Zoology</b>	Lourdhu Mary .A, Nithya .K, Isabel W, and Angeline .T, "Prevalence of Catalase (-21A/T) Gene Variant in South Indian (Tamil) Population", Biomed Research International, 2014.	Paper Publication
	J. Marlin Cynthia – Protein Sequence Submitted in Proteine X change via the PRIDE database on 8.9.2014. Accession Number: PXD001290. (Lampito Hemolysin)	Database
	R. Indumathi Ravichandran – Gene Sequence in NCBI Data base, Aspergillus niger KM 501044 – December 7/2014 Aspergillus Oryzae KJ 814466 – August 28/2014.	Database
<b>Business Administration</b>	R. Jeyakodeeswari, The Moderating Effect of Environmental Factors and Firm's Age on Strategic Orientations and Performance of Indian Women Entrepreneurs, International Journal of Scientific Research and Management (IJSRM), Online – listed in scholarly open access, Scribe, 2321-3418, IF - 3.994, May 2014, volume 2 issue 5	Paper Publication
	R. Jeyakodeeswari, Problems and prospects of women entrepreneurs in Madurai with reference to Beauty parlours, AE international Journal of Multidisciplinary Research (AEIJMR), 2348-6724, June 2014, Volume 2 issue 6	Paper Publication
	R. Jeyakodeeswari, "Indian women entrepreneurs, motivations, Success factors and firm's Performance". International Business Management, Medwell Journals, Pakistan, volume 9, 2015.	Paper Publication
<b>Tamil</b>	A. Kavitharani, "இயற்கையும் தமிழர் வாழ்க்கையும்" in the book 12th International Conference on Tamil Culture 40th Anniversary of IMTC. It was published by International Movement for Tamil Culture, Europe Union, Germany, 4th,5th October,	Proceedings

Department	Author(s) and Title of the Paper	Nature of Publication
	2014.	
	M. Tamilarasi, “தமிழர் வழிபாட்டில் முருகன்” in the book 12th International Conference on Tamil Culture 40th Anniversary of IMTC. It was published by International Movement for Tamil Culture, Europe Union, Germany, 4th, 5th October, 2014.	Proceedings
	A. Pappa, “பண்டைத்தமிழரின் விளையாட்டுக்களும் இன்றைய மாற்றங்களும்” in the book 12th International Conference on Tamil Culture 40th Anniversary of IMTC. It was published by International Movement for Tamil Culture, Europe Union, Germany, 4th, 5th October 2014.	Proceedings
	J. Nirmaladevi, “திராவிட மொழிகளுக்குக் கால்டுவெல்லின் பங்களிப்பு” in the book “திராவிட மொழிகளுக்குக் கால்டுவெல்லின் பங்களிப்பு”, publisher - Ulaga Tamil Sangam, Madurai, August 2014.	Proceedings
	J. Nirmaladevi, “கவிநாயகர் வி.நந்தவனத்தின் கவிதைகளில் சுற்றுச்சூழல் சிந்தனைகள்” in the book “Solutions to Ecological Challenges : Multidimensional perspectives” publisher - Fatima College, Madurai, December 2014. ISBN No: 978-81-926370-2-0.	Proceedings
	C.Dhamayanthi, “Thilagavathiyin Puthinankalil Magalir Aalumai” Conducted by Vallikannan Ilakkia Peravai & Agnchirai Thumbi Ilakkia Vattam, Virudhu Nagar, March 2014.	Proceedings
	Ms.Venmuhil, “வாழ்வியல் தமிழ்” in the International Seminar on “பயன்பாட்டுப் பார்வையில் துறைதோறும் தமிழ்” at Ethiraj Women’s College, Chennai on 26th and 27th of November, 2014.	Proceedings
<b>Commerce</b>	Rathika Kathirvelraj & Betsy, Creating and Sustaining Service Quality in Banks – Role of Government and Reserve Bank of India in the Post Globalization Era, ISBN: 978-93-80657-29-5, ICSSR Sponsored Two Day National Conference on Impact of Globalisation on the Prospects of Indian Banking Sector, Shanlax Publications Page No: 22-2	Proceedings
	Roselin Sathyavathi & E. Sheeba, “Globalisation and its Impact on Indian Banking Sector – Challenges, Prospects and Strategies (With Special Reference to SBI, Lady Doak College Branch)”, ISBN: 978-93-80657-29-5, ICSSR Sponsored Two Day National Conference on Impact of	Proceedings

<b>Department</b>	<b>Author(s) and Title of the Paper</b>	<b>Nature of Publication</b>
	Globalisation on the Prospects of Indian Banking Sector, Shanlax Publications Page No: 117-120	
	S.Sriilatha, Implementation of IFRS in India, ISBN: 938065789-7, UGC Sponsored Two Day National Conference on International Financial Reporting Standards - Global Accounting Standards, Vivekananda College, on 6th Feb.2015 Page No: 45-50	Proceedings
	Ms.S.Sriilatha, Impact of Emotional Intelligence on Entrepreneurial Traits among college students, National Conference on New Dimensions of Management in the Globalised Era, Madurai Kamaraj University, ISBN:978-93-80657-40-0 Page No:266	Proceedings
	Ms.K.Alamelu, An Empirical Study Related to Convergences of IFRS Policies in India (Journey of IAS to IND AS in 2010), ISBN: 938065789-7, UGC Sponsored Two Day National Conference on International Financial Reporting Standards - Global Accounting Standards, Vivekananda College, Page No: 42-45	Proceedings
<b>Economics</b>	P. Poongodi, "A Study on Impact of LPG on Indian Economy", Published in IJELLH Volume II Issue VI 2014, ISSN-2321-7065, SJIF impact Factor 2.317	Paper Publication
	Dr. P. Gnana Soundari, three papers published in the Proceedings of the International Conference on Climate Change & The Developing World CCDW 2015, 21 <sup>st</sup> to 25 <sup>th</sup> January 2015, ISBN 9788192599168, Published by Vidyanikshepam, CMS College, Kottayam. Topics: * Biblical Model of Eco-Friendly Society: Issues and Challenges. * Impact of Climate Changes on Mountain Eco System in Kodaikannal. * Traditional and Modern Farms of Cultivation in Madurai Districts.	Proceedings
<b>Computer Science</b>	Jayachandra, presented the following three papers in the National Seminar on Advances in Computing and Technology at Ramasamy Naidu Memorial College, Sattur, 5 <sup>th</sup> and 6 <sup>th</sup> Feb. 2015, ISBN 978-93-5212-074-1 * A Novel approach to detect the patches in tongue using color space transformation, pg 167 - 169	Proceedings

Department	Author(s) and Title of the Paper	Nature of Publication
	<ul style="list-style-type: none"> <li>* A Classical Approach for detecting and classification of food grams using Otsu's thresholding method, pg 170 - 173</li> <li>* Detection of Exudates in Retinal Images using Linear Spatial Filtering, pg 174 - 176</li> </ul>	
	Sudhasini, A Systematic study on user Access pattern for Webling, in the National Seminar on Advances in Computing and Technology at Ramasamy Naidu Memorial College, Sattur, 5 <sup>th</sup> and 6 <sup>th</sup> Feb. 2015, ISBN 978-93-5212-074-1, pg 114 - 117	Proceedings
	Joice Rathinam, presented a paper on "Detection of Exudate's in Retinal Images using Linerar Spatial Filtering' in the National Seminar on Advances in Computing and Technology at Ramasamy Naidu Memorial College, Sattur, 5 <sup>th</sup> and 6 <sup>th</sup> Feb. 2015, ISBN 978-93-5212-074-1, pg 174 - 176	

#### G. Books with ISBN numbers with details of publishers

- \* தமிழ்த்துறை 2013 டிசம்பர் 9, 10,11 ஆம் நாட்களில் சென்னை, செம்மொழித் தமிழாய்வு மத்திய நிறுவனம் மற்றும் உலகத் தமிழராய்ச்சி நிறுவனம் ஆகியவற்றுடன் இணைந்து நடத்திய பன்னாட்டு கருத்தரங்கம் - 'புலம் பெயர்ந்தோர் படைப்புகளில் செவ்வியல் இலக்கியங்களின் தாக்கம்', 2014. 1<sup>st</sup> Edition - ISBN : 1978-81-925359-6-8.
- \* Dr. S. Vijayarani, Ms. D. Deva Prasanna, An Introduction to Psychology and Literature, ISBN:978-81-7966-069-0, 28.10.14, Emerald Publishers

#### H. Chapter(s) in Books

- \* Pinky Shama Johnny, "Love in Madurai", Publisher: SCILET, American College, Madurai, 2014
- \* "An Empirical Study on Awareness of Latest Technologies in the Indian Banking Sector (with Special Reference to Madurai City)" by Ms. Margaret Divya **Book:** Managerial Herald, Bi-Annual Journal of Thoughts, July- Dec 2013, Vol 2, No. 2 & ISSN: 2321- 4643
- \* 'Employees' Welfare Facilities in a Century Old, T.V. Sundaram Iyengar & Sons Limited, Madurai – a Critical Analysis" Margaret Divya **Book:** Managerial Herald, Bi-Annual Journal of Thoughts, July- Dec 2013, Vol 2, No. 2 & ISSN: 2321- 4643
- \* P. Gnana Soundari,
  - Service Sector in Practice, ISBN : 978-93-80657-16-5, Shanlax Publications, Madurai, June 2014
  - Informal Sector– issues and challenges, ISBN : 978-93-80686-78-3, Shanlax Publications, Madurai, June 2014
  - Dynamics of Organised and Unorganised Sector , ISBN : 978-93-80686-91-2, Shanlax Publications, Madurai, June 2014

## I. Students' Publications :

- \* Usha C, Saishree M, Gladys Angelin Rachel D. "Green Synthesis of Silver Nanoparticles Using Achyranthes Bidentata Leaf Extract and its Larvicidal Activity", 2014, International Journal of Science and Research, 3:10, pp-662-665. ISSN No.2319-7064. IF-3.358.
- \* Usha C, Gladys Angelin Rachel D. Biogenic synthesis of Silver Nanoparticles by Acacia nilotica and their Antibacterial Activity, 2014, International journal of Scientific Research, 3:6, pp. 27-29. ISSN No. 2277-8179. IF-1.8651.
- \* M.S.Sushmitha (14MPCE13), Paper titled "Role of Women in Higher Education in India", Book Title: UGC Sponsored National Seminar on Higher Education in India – During the Plan Periods Date: 22<sup>nd</sup> Aug 2014 ISBN : 978-93-80686-11-0 Page No: 315-319
- \* Ms. C.Annie Riya Michael (14MPCE04), Paper titled "Roles of Women in Higher Education that Results in Social Engineering", Book Title: UGC Sponsored National Seminar on Higher Education in India – During the Plan Periods Date: 22<sup>nd</sup> Aug 2014 ISBN : 978-93-80686-11-0 Page No: 302-309
- \* Ms.U.Dharania Priya (14MPCE01) & Ms.G.Dhivya (14MPCE02), Paper titled "Role of Women in Higher Education" Book Title: UGC Sponsored National Seminar on Higher Education in India – During the Plan Periods Date: 22<sup>nd</sup> Aug 2014 ISBN No: 978-93-80686-11-0
- \* Ms.K.Mathanki (14MPCE03) and Ms.L.Dinosa Lemonse (14MPCE07), Paper titled "Depository System in India – Issues and Challenges" Book Title: Impact of Globalisation on Indian Financial System Date: 30<sup>th</sup> Aug 2014, ISBN No: 978-93-80686-90-5 Page No: 60
- \* Ms.U.Dharania Priya (14MPCE01) and Ms.G.Dhivya (14MPCE02), Paper titled "Growth of Venture Capital in India", Book Title: Impact of Globalisation on Indian Financial System Date: 30<sup>th</sup> Aug 2014, ISBN No: 978-93-80686-90-5 P- 64
- \* Ms.C.Annie Riya Michael (14MPCE04) and Ms.S.Thabetha 14MPCE06), Paper titled "Credit Card Business in India – Challenges" Book Title: Impact of Globalisation on Indian Financial System Date: 30<sup>th</sup> Aug 2014, ISBN No: 978-93-80686-90-5 Page No: 60
- \* N. Nandhini, II M.Sc.(CS) - First Author presented a paper on Comparison of Image Enhancement Techniques for Blood Spot Detection in EGG at the National Conference on "Innovative trends in Computing & Technology", Department of ITM, Arul Anandar College, Karumathur, ISSN No. 978-93-80686-03-5, pg 112
- \* J. Padma Sundari, II M.Sc.(CS) First Author presented a paper on Level set segmentation of soil using contouring Technique at the National Conference on "Innovative trends in Computing & Technology", Department of ITM, Arul Anandar College, Karumathur, ISSN No. 978-93-80686-03-5, pg 94
- \* The following students of II M.Sc.(CS) presented a paper at the Two Day National Seminar on "Advances in Computing and Technology" held at Sri S. Ramasamy Naidu Memorial College, Sattur on 5<sup>th</sup> and 6<sup>th</sup> Feb. 2015, ISSN No. 978-93-5212-074-1
  - M. Abinaya (First Author) - A Novel Approach to Detect the Patches in Tongue Using Color Space Transformation, pg. 167
  - J. Nandhini - A Classical Approach For Detection and Classification of Food Grams Using Otsu's Thresholding Method, pg. 170
  - Vijithra A - Detection of Exudates in Retinal Images using Linear Spatial Filtering, pg. 174

#### J. Sustenance of the quality in research through doctoral committee review process by Department of Chemistry

A doctoral committee was formulated to review and monitor the progress of research work of the part-time and full-time research scholars of the department. The committee comprises of all the research supervisors of the department with two internal experts from biological and physical sciences departments and two external experts from other premier research institutions. The prime objective of this review process is to have a quality research output from the department. The committee will review the research progress of the research scholars twice a year.

#### K. Ongoing Research Grants

S.No.	Name of the Faculty	Funding Agency	Amount Sanctioned
1.	Dr. Angeline	DST SERB	2.42 lakhs
2.	Dr. Shenbagarathai	CSIR	17.04 lakhs
3.		DST Inspire	7.72 lakhs
4.		DBT BIF	9.44 lakhs
5.		DST SERB	51.49 lakhs
6.	Dr. Srisudha	DBT INDO – UK	72.97 lakhs
7.	Dr. V. Sridevi	UGC Major Research	11.09 lakhs

#### L. Research Projects completed in this Academic Year

S.No.	Name of the Faculty	Funding Agency	Amount Sanctioned
1.	Ms. Radhika	ICSSR	5.15 lakhs
2.	Dr. Mary Esther Rani	TNSCST / DST	14.25 lakhs
3.	Dr. Vasantha	UGC-DAE	7.97lakhs

#### M. Research Grant

- \* TNSCST granted Rs. 7500/- under the Student Project Scheme for Ms. Sumaiya of II M.Sc. Microbiology and Ms. Niraimathy of II M.S.W. on Occupational Health Hazards of Electroplating Industry & Treatment of the Industrial Effluent by Biofloculant bacteria, under the guidance of Dr. S. Srisudha, Associate Professor of Botany in April 2014
- \* Ms. Sivagami, Research Scholar of Tamil, under the guidance of Dr. M. Tamilarasi, has been sanctioned a grant of Rs.2,43,400/- for the year 2014-15 towards JRF in Sciences, Humanities & Social Sciences.

#### N. Travel Grant

- \* R. Vinod Kumar, Research Scholar under the guidance of Dr. Mary Esther Rani, received the International Travel support from Department of Science and Technology (File No: SB/ITS/03118/2014–15) to participate in the International Conference on Chemical, Environment and Biological Science (CEBS – 2014), Kuala Lumpur, Malaysia.

### O. Participation of Students in Summer Research Fellowship by National Science Academy

- \* K.G.Yamini of III B.Sc. Chemistry was awarded Summer Research Fellowship 2014 at CECRI, Karaikudi from 2<sup>nd</sup> May to 2<sup>nd</sup> July 2014
- \* K. Anushiya Devi of III B.Sc. Chemistry was awarded Summer Research Fellowship 2014 at JNCASR, Bangalore from 5<sup>th</sup> May to 5<sup>th</sup> July 2014

### P. Summer Projects :

- \* **Dhivya. R & Jamunashree. G**, of Biotechnology 'Bioplastic from mango seed' Centre for E-waste Management, Satyabama University, Chennai
- \* **Nanthini. V & Krithika. K** of Biotechnology "Waste water treatment using Sargassm algae", Centre for E-waste Management, Satyabama University, Chennai.

Details of the Institutional Project Proposals submitted and approved for Financial Support.

S. No.	Title of the Project	Time Framework (Months)	Financial Budget (Total Rs.)
1.	Scope for applying Commerce Education to social need - A Feasibility study	October 2014 to April 2015	Rs.10,000.00
2.	A Study on the Differently-abled Students in Lady Doak College	October to December 2014	Rs.10,000.00
3.	Behaviours and Attitudes of Students towards Technology in Lady Doak College	October 2014 to March 2015	Rs.10,000.00
4.	Obesity and Respiratory Diseases - Survey on BMI Value and Respiratory Problems among Lady Doak College students	November 2014 to March 2015	Rs.10,000.00
5.	Study on the Development of Students Skills at Entry and Exit level	April to August 2015	Rs.14,000.00

### Q. Workshops organized to enhance the research culture

S. No	Title of the workshop/ Seminar/ programme	Date	No. of Participants
1.	Workshop on 'Research Proposal and Scientific writing in Physical Sciences in Physical Sciences'	12 <sup>th</sup> Mar. 2015	28

2.	The enrichment programme on 'Writing a Research proposal for funding agencies' and 'Writing Scientific Articles for publication in reputed journals in Biological Research'	14 <sup>th</sup> & 18 <sup>th</sup> Mar. 2015	40
3.	Workshop on 'Writing Successful Research proposal and Research Articles'	20 <sup>th</sup> Mar. 2015	28

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

#### A. ICT Facilities

- For Enhancing the teaching and learning process, 16 classrooms were equipped with LED monitors
- The Language Lab was installed with 50 N-computing devices and a N-computing server.
- Firewall (Watchguard) Licensing was renewed to provide authentic access to the network users and to prevent unwanted intrusions.
- Education Device License for Adobe Creative Cloud was purchased for 30 users.
- To cope with the demand for the storage of huge volume of data, the Centralized storage server was installed.
- To prevent the intrusions and unwanted virus attacks, Symantec Antivirus for 500 users was installed.
- Fail over UPS was installed in the college server.
- Dedicated server was implemented for library in order to enhance the library infrastructure

#### B. Newly added Infrastructure facility

- Rain Water Harvesting
- Prayer Room
- Back up room for server

#### C. Library

- No. of books in the library – 1,29,882
- No. of journals and e-journals purchased in the year 2014-2015

No. of national journals purchased	No. of international journals purchased	No. of e-journals purchased
146	2	UGC-INFLIBNET /N-List, India Stat, Economic Political weekly

### 6.3.6 Human Resource Management

The Centre for Human Resources Development (CHRD) organised the following programs to hone the soft skills of faculty members.

- Junior Faculty workshop on “Being an Effective Teacher” was conducted on 12<sup>th</sup> July 2014. 50 faculty members participated
- Two day workshop on “Communication Skills” was conducted on 17<sup>th</sup> & 18<sup>th</sup> Oct. 2014 in which 35 faculty members participated. Prof. Raja Govindasamy, Former Principal of Thiagaraja College was the resource person
- One day workshop on ‘Life Frontier Engagement – Integrating Academic Learning with Community Research’ was conducted on 3<sup>rd</sup> December 2014. Dr. Albert Selvanayagam, Trainer in Teaching Methods, St. Joseph’s Community College, Bangalore, was the resource person. 48 faculty members participated
- One day workshop on “Interpersonal Skills” was conducted on 6<sup>th</sup> Dec. 2014. Dr. Synthia Mary Mathew of Social Sciences Department was the resource person. 29 faculty members participated.
- One day workshop on ‘Leadership and Team Building Skills’ was conducted on 24<sup>th</sup> January 2015. Mr. Philips Dayanidhi, Head-Manufacturing & Business, Robert Bosch, Bangalore was the resource person. 45 faculty members participated
- One day workshop on ‘The Life Frontier Engagement Program Charting its Implementation’ was held on 27<sup>th</sup> January 2015. Dr. Betty Cernol McCann, the Executive Director at Civic Engagement, Research and Training Services (CERTS), Philippines was the resource person. 54 faculty members participated

### 6.3.7 Faculty and Staff recruitment

Lady Doak College follows an indigenous method to recruit staff members with excellent aptitude and attitude skills.

The Principal is the Appointing Authority for all the staff of the College, both teaching and non-teaching, other than those appointed by the Association. In interviewing and selecting the Teaching Staff, the Principal shall be assisted by a Selection Committee, through a two tier process.

#### **Level I - Technical Interview - Composition of the Selection Committee**

- HoD of the Respective Department (Convenor)
- UG Professor of the Respective Department
- Senior Member of the Allied Department
- Dean of Academic Affairs (Science / Humanities)
- External Subject Expert

#### **Level II - HR Interview - Composition of the Selection Committee**

- Principal (Chairperson)
- Vice Principal
- Bursar

- HoD of the Respective Department
- HR Personnel

**Rubrics will be followed for assessment in both levels.**

The Principal is assisted by the Bursar in selecting and appointment of non-teaching staff.

### 6.3.8 Industry Interaction / Collaboration

International visitors on campus for collaborative activities

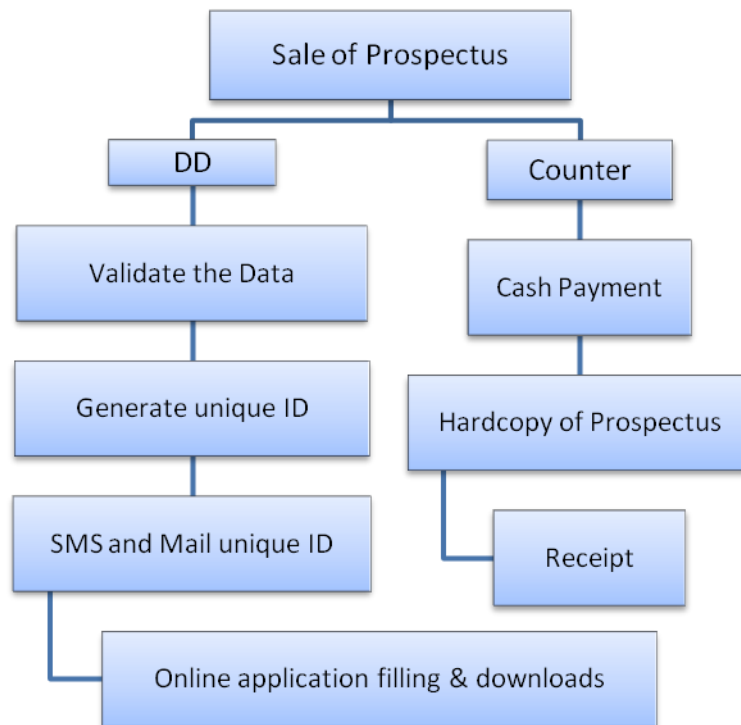
- \* Ms. Margherita Trento, Ph.D. Scholar from Chicago University was on campus from 3<sup>rd</sup> July to 20<sup>th</sup> August 2014 for her research work.
- \* Ms. Lynn Ate, Adjunct Faculty, WSU Asia Program, Washington State University, USA, was on campus from 8<sup>th</sup> Sep. 2014 to pursue her Ph.D. degree in Tamil Classics and devotional texts.
- \* Dr. Christine Cress and 6 students from Portland State University were part of the Intercultural Exposure Programme from 1<sup>st</sup> to 14<sup>th</sup> February 2015.
- \* Mr. Ricky Cheng and Ms. Trudy Loo from New York, the United Board Officers were here to meet the UB fellows and UB Project Coordinators from 24<sup>th</sup> to 27<sup>th</sup> January 2015
- \* Dr. Betty Cernol, the former Vice President of United Board was on campus from 26<sup>th</sup> to 29<sup>th</sup> January 2015 as a Resource person for the Life Frontier Engagement Workshop
- \* Prof. Steven Ngai from the Department of Social Work, Chinese University of Hong Kong visited the Department of Social Sciences on 30<sup>th</sup> and 31<sup>st</sup> January 2015 to discuss the possibility of further collaboration between both institutions.
- \* Dr. Dheenabandu and Dr. Jim Moocs, the officers of UCBWM visited the college on 20<sup>th</sup> and 21<sup>st</sup> February 2015.

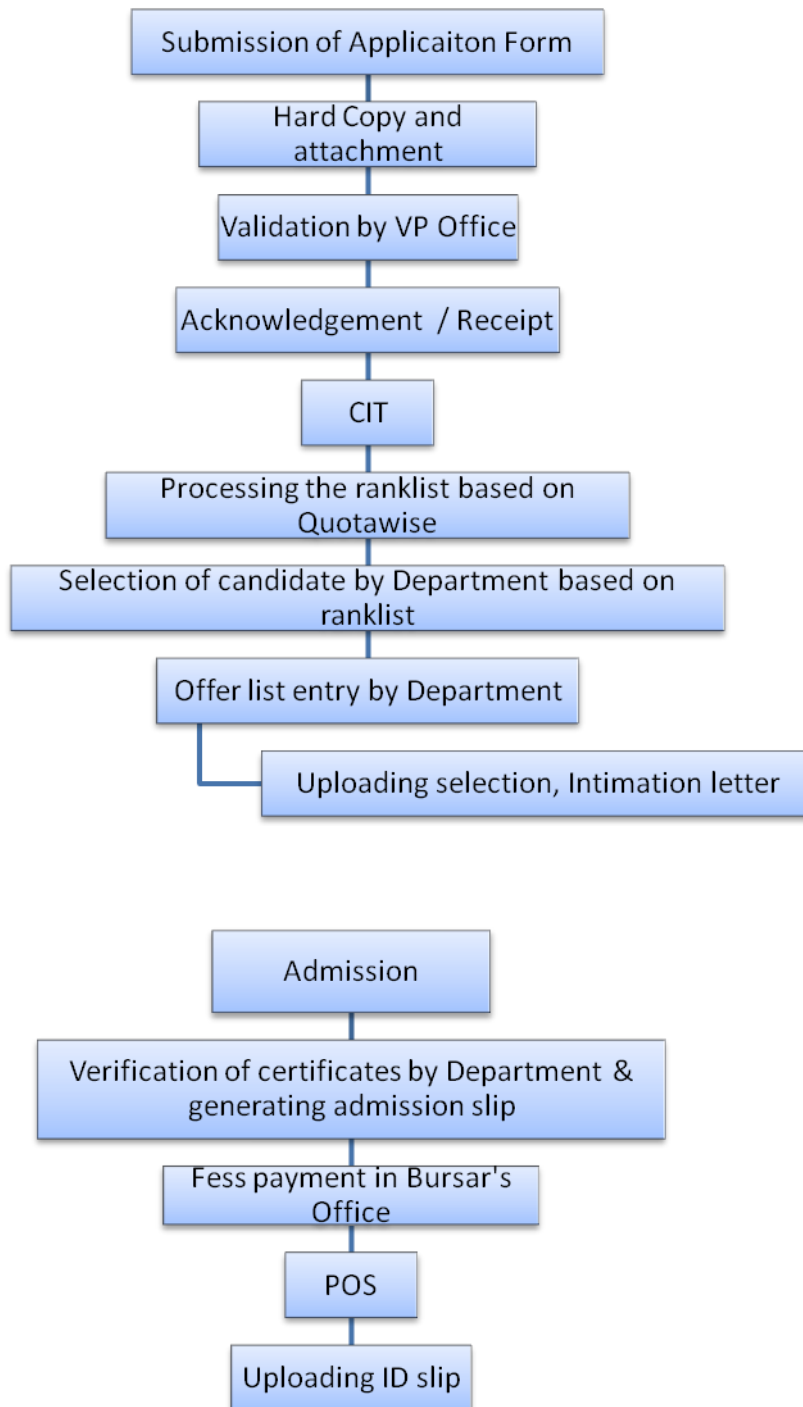
#### **MoUs Signed with**

- \* Family Planning Association India (FPAI), Madurai, by Department of Economics for organizing a Service - Learning programme on 'Population Education to Rural Women'
- \* Providers Skill Academy Pvt. Ltd by the Career Guidance and Placement Centre for implementing Star Scheme Training
- \* Dr. S. Pugalanthi Pandian, Director, Pandian Bio – Medical Research Centre, Madurai, a research project titled "Role of Nano Silver in Enhancing the Effectiveness of Antibiotics" is being carried out in PG & Research Department of Zoology with Dr.A.S.Priscilla as one of the coinvestigators
- \* Association of Company Secretary (ACS) on 3<sup>rd</sup> March 2015 by Department of Commerce

### 6.3.9 Admission of Students

This year the college initiated the sale and submission of application through an online mode. The process flowchart is given below.





#### 6.4 Welfare schemes for

Teaching	Self-Finance Staff: <ul style="list-style-type: none"> <li>The Faculty members going to Oberlin Shansi get Rs.50,000/-</li> <li>LLP is offered for faculty to pursue research for a period of 2 or 3 years</li> </ul>
Non teaching	<ul style="list-style-type: none"> <li>School fees to NTS (16) – 28 (Children) – Rs.66,000/-</li> <li>College fees to three NTS children (3) – Rs.17,700/-</li> </ul>
Students	Free lunch to students – Rs. 1,16,1780/-

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done?  Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	-	-	Yes	IQAC
Administrative	-	-	Yes	IQAC

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes  No

For PG Programmes Yes  No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- \* Standardisation of Summative question papers for all UG and PG programmes
- \* Transparency in the results of Part A e-assessment
- \* Articulation of ideas for introducing grading system for evaluation.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not applicable

6.11 Activities and support from the Alumni Association

\* **Activities of the Alumnae Association**

- Tailoring courses for the students
- College store that caters to the various stationery and personal requirement of the students

- CRIB (Creche) for outside public and the college staff members to take care of the babies & toddlers from the age group of 3 months to 5 years
- Photocopying on payment inside the college premises to facilitate the students in completing seminars and projects
- Photo printing facility is an initiative of the alumnae association which is made available for making copies of photos in different required sizes for the usage of college faculty & students

\* **Lady Doak College Alumnae Meet at San Francisco**

The Alumnae meet at San Francisco was held on 27<sup>th</sup> February 2015. Six former students of Lady Doak congregated on the occasion and spent the evening, reminiscing about the campus and sharing memories ranging for some from the late seventies to the present.

Ms. Anita Tiphagne made a presentation on the college, its growth, achievements and also the needs. The purpose of the US alumnae network was discussed and a request for volunteers to work on this network and also to raise resources was placed to the group.

\* **Lady Doak College Alumnae Meet at Portland**

The Alumnae meet at Portland was held on 4<sup>th</sup> March 2015 was hosted by Ms. Padma Kaveri at her home. It started with a Skype call with the Principal Dr. Mercy Pushpalatha. After a presentation on the college, the team discussed various fund raising strategies that will be effective. Ideas such as case studies of students for scholarship with personal updates, registration events for alumni, constant networks and social media contacts were some ideas. It was special that a small such group was able to meet in Portland.

\* **Lady Doak College Alumnae Meet in Washington DC**

Lady Doak College Alumnae meet in Washington DC was historically held online on 8<sup>th</sup> March 2015 at the home of Ms. Elizabeth Abel (1977 English, Student Union President).

The participants included the MBC Exchange students, the Oberlin Shansi FEPA Scholar and a UB Representative. Online attendees (Zoom technology) were alumnae from India, US and Australia.

Along with presentations on the college and fundraising needs, the meet has heralded the initiation of the Global Alumnae Network for Lady Doak College.

The College appreciated the initiation of Dr. Mano Talaivar and Mrs. Elizabeth Gnanakan Abel for initiating this historical event.

6.12 Activities and support from the Parent – Teacher Association

**PARENT TEACHERS MEET**

Lady Doak College held its Parent Teachers Meet on the 29<sup>th</sup> of January, 2015 at the Golden Jubilee Auditorium. It was arranged exclusively for the I UG & III UG students. The Principal highlighted the importance of the Handbook (working, non-working Saturdays & Last date for fee payment), method of looking into the college website to know their wards' Attendance, Efforts taken for the wholesome development of students through Career Guidance and Placement Cell (CGPC) and the emphasis given to follow the rules of the college. The responsibility of the parents in monitoring their wards' proper usage of Social

Networks was stressed. In order for the resident students to utilize their stay on campus effectively, the Hostel Readmission Norms (More than 60% with Resident Hall Supervisors' recommendation) were devised. The common programme was followed by meeting in the departments.

#### 6.13 Development programmes for support staff

Faculty Family Enrichment Programme was held on 29<sup>th</sup> Nov. 2014 in which all Christian teaching and non-teaching staff participated. Rev. Sam Kamelason from Chennai was the resource person.

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

1. In commemoration of Ozone Day a rally was conducted to create awareness on the impact of ozone on the Environment on 16<sup>th</sup> Oct. 2014
2. A film by Yadartha – 'The Origin of Earth' was screened on 29<sup>th</sup> Nov. 2014
3. Energy Conservation Day was organized on 6<sup>th</sup> Dec. 2014 in which chart competition on Conservation of Electricity was conducted
4. Eco Awareness Week was observed from 15<sup>th</sup> to 19<sup>th</sup> Dec. 2014.
  - An awareness CD on Dengue was released by Madurai City Corporation Commissioner, Mr. Kathiravan IAS on 15<sup>th</sup> Dec. 2014
  - Conservation Day on 15<sup>th</sup> Dec. 2014
  - Reduce Emission Day on 16<sup>th</sup> Dec. 2014
  - Traditional Food Carnival on 17<sup>th</sup> Dec. 2014
  - Waste Minimization Day on 18<sup>th</sup> Dec. 2014
  - Competitions were conducted on 19<sup>th</sup> Dec. 2014
5. Green house gas (GHG) emission of the institution was measured and reported. By implanting mitigation measures to reduce GHG emission the college proposes to become carbon neutral by 2020. Sustainability reporting will help the institution being recognized as a sustainable campus which will facilitate its standing in the international arena.

### **Criterion – VII**

#### **7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

##### **A. Implementation of Learning Management System (LMS) using the open source software – MOODLE**

###### **Objectives:**

Installation, Configuring and Testing MOODLE for a group of students

###### **Action Plan:**

- \* Customizing the MOODLE based on user requirement
- \* Creating authentication for the faculty and students
- \* Designing the page based on user requirement
- \* Implementing the course code and modules for incorporating work plan, activities and Quiz- July to August 2014

- \* Hands on training to the faculty - July to August 2014
- \* Preparing the work plan, activities and uploading in the page
- \* Configuring E-Assessment using MOODLE
- \* Conducting mock for E-Assessment in MOODLE
- \* Conducting final E-Assessment in MOODLE- October 2014
- \* Implementing a full-fledged Online Learning Environment – November 2014

**Work Completed:**

- \* Moodle was customized in LAN & WAN.
- \* User authentication was implemented
- \* Online submission of assignments & quiz were conducted

**Outcome of the plan:**

- \* Twenty Seven academic courses were registered and 887 users were enrolled for the usage of MOODLE.

**B. Documentation of Science Instrumentation and Infrastructure facilities available in the College**

**Objectives:**

- \* To have a collective information about all the instrumentation and Infrastructure facilities available with the Science Departments.
- \* To enable the internal users mainly Research Scholars / Project students to know about the facilities available with each Department.
- \* To extend the facilities to external users (Researchers and Industrial people).
- \* To organize hands-on-training programs for the internal and external users using the facilities by the Research and Development Cell of the college.

**Action Plan:**

- \* Compilation of information about the various existing facilities (Instrumental and Special Laboratory) available with each Science Department and Centre in a prescribed format
- \* Preparation of the information brochure
- \* Printing of the Brochures
- \* Dissemination of the information to the public users in the college website

**Work Completed:**

- \* The information about the various existing facilities (Instrumental and Special Laboratory) available with each Science Department and Centre have been collected and documented in a prescribed format.
- \* The documented information was prepared as an information brochure projecting the details of special instruments and laboratory facilities available with the science departments of Lady Doak College.

**Outcome of the plan:**

- \* A complete documentation of Science Instrumentation and Infrastructure facilities established in the College from the inception to the year 2014 was done.

### **C. Development of Indigenous Academic Performance Index (API) for the faculty members.**

#### **Objectives:**

- \* To appraise strengths, weaknesses, opportunities and challenges of the faculty members
- \* To align professional goals with institutional goals and development

#### **Action Plan:**

- \* Preparation of Academic Performance Index based on UGC regulations and guidelines
- \* Uploading of the format
- \* Collection of Information from the faculty members
- \* Collection, Analysis and Documentation

#### **Work Completed:**

- \* An indigenous Academic Performance Index based on UGC regulations and guidelines – Oct. 2014 was prepared.
- \* The API is under further refinement for implementation

#### **Outcome of the plan:**

- \* A draft API index for the faculty members of Lady Doak College was evolved.

### **D. Integration of Information and Communications Technology (ICT) in Teaching and Learning- UG & PG**

#### **Objectives:**

- \* Integrating ICT in teaching and learning

#### **Action Plan:**

- \* Moodle – Linking LMS in teaching & learning (Course content preparation & delivery)
- \* Faculty recharging programmes for teachers to identify higher order skills in students (ICT enabled teaching & learning system)
- \* Up gradation of classroom with LED monitors for ICT enabled teaching

#### **Work Completed:**

##### **Training to faculty members:**

- Training to link LMS (MOODLE ) in teaching & Learning for faculty members was organised
  - Orientation Programme on *ICT Enabled Innovative Pedagogies For Higher Education* on March 28, 2015. Resource Person: **Dr. M. M. Pant**, Founder & Mentor, Planet EDU Pvt. Ltd. Gurgaon, Haryana.
  - One Day Workshop on *Effective Pedagogy Using ICT Tools In Higher Education on April 8, 2015*. Resource Persons: **Session I : 21<sup>st</sup> Century Learning Mr. S Varadarajan**, Capability Architect – Early Engagement, Global Learning Solutions, Architecture and Management, Cognizant Technology Solutions, Chennai **Session II: Enhancing Learning with Digital Experiences through Web Tools, Dr.**

**Senthilnathan**, Assistant Professor, Department of Educational Technology, Bharathidasan University, Tiruchirapalli

**Outcome of the plan:**

- \* Faculty to use LMS for at least one course in the coming semester.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

<b>Plan of action</b>	<b>Action taken report (ATR)</b>
Implementation of Academic Audit for the Departments	<ul style="list-style-type: none"> <li>* Attestation of Compliance report for Even Semester (2013-2014) and Odd Semester (2014-2015)</li> <li>* List of QMS files with standardized format were evolved.</li> </ul>
Implementation of Administrative Audit for the Centres and Offices	<ul style="list-style-type: none"> <li>* Fine tuning of roles and functions of the different offices and centres.</li> <li>* The process flow chart prepared was reviewed according to the new functions and flow charts developed for all the administrative office except for Bursar's office which is in process.</li> </ul>
Study on the viability of admission to all undergraduate programmes under single window system.	<ul style="list-style-type: none"> <li>* Standardized and error free admission process was developed and will be implemented for the admission process in the year 2015</li> </ul>
Examination and Evaluation Reforms	<ul style="list-style-type: none"> <li>* Standardised summative question paper pattern.</li> <li>* 100% transparency in all the sections of summative assessment (Part A,B,C and D).</li> <li>* Concept of grading system was introduced.</li> </ul>
Implementation of Management Information System (MIS)	<ul style="list-style-type: none"> <li>* Standardized the operational flow chart</li> <li>* Standardized IT Policy was evolved</li> <li>* Process flow chart and documentation was carried out for the existing system and newly developed system</li> </ul>
Implementation of Learning Management System (LMS) using the open source software – MOODLE	Twenty Seven academic courses were registered and 887 users were enrolled for the usage of MOODLE.
Study on the Development of Students Skills at Entry and Exit Levels	<ul style="list-style-type: none"> <li>* Draft completed in the planned period and given to Principal, R&amp;D convenors for review. As requested by Principal meeting was held with an external expert from School of Education, MKU.</li> <li>* Draft questionnaire was reviewed and it was decided to prepare a new questionnaire including curricular, co-curricular and extracurricular</li> </ul>

	<p>activities.</p> <ul style="list-style-type: none"> <li>* Suggestion by the Principal is to outsource this activity.</li> </ul>
Towards a Zero waste campus	<ul style="list-style-type: none"> <li>* Supply of food items in canteen using reusable items was initiated.</li> <li>* Reusable cups are being used in canteen and Juice corner.</li> <li>* The community of LDC was sensitised on following issues: <ul style="list-style-type: none"> <li>▪ Dengue awareness</li> <li>▪ Water Conservation</li> <li>▪ Reduced vehicular emission</li> <li>▪ Traditional food</li> <li>▪ Waste minimisation</li> </ul> </li> <li>* Vermicomposting unit is functioning and compost from the unit is on sale.</li> </ul>
Development of Structured Curriculum for Life Frontier Engagement in all the Undergraduate programmes.	<p>As an institution involved in a path breaking process of evolving the Life Frontier Engagement syllabus, we have been able to capacitate our faculty from all disciplines to identify frontier issues in their own subjects and evolve a teaching learning process which will enable the students to have a “hands on” experience and thereby learn the dynamics of application, critical analysis and synthesis as academic tools.</p>
Evolving Industry- Institute Business model for each department	<ul style="list-style-type: none"> <li>* Offered help in fixing guest lecture from industries. Departments of Business Administration and Mathematics have benefited.</li> <li>* The process of creation of Database was initiated with the help from the departments. The list of industries used for training was added and will be constantly updated.</li> <li>* Contact with the Chamber of commerce and WE (Women Entrepreneurs, an association with chamber) was initiated.</li> <li>* Reports were collected from departments relating to industrial-institute partnership.</li> </ul>
Documentation of Science Instrumentation and Infrastructure facilities available in the College	<ul style="list-style-type: none"> <li>* A complete documentation of Science Instrumentation and Infrastructure facilities established from the inception to the year 2014 in the College has been done.</li> <li>* The information brochure will be made available as soft and hard copies for the internal and</li> </ul>

	<p>external users.</p> <p>* The information will be uploaded in the College website as soon as the brochure is ready.</p>
<p>Competency Based Training Programme for Faculty Members</p> <ul style="list-style-type: none"> <li>• Communication Skills</li> </ul>	<p>The following training programs were organised.</p> <ul style="list-style-type: none"> <li>• Two day workshop on “Communication Skills” was conducted on 17<sup>th</sup> &amp; 18<sup>th</sup> Oct. 2014 in which 35 faculty members participated. Prof. Raja Govindasamy, Former Principal of Thiagaraja College was the resource person</li> </ul>
<ul style="list-style-type: none"> <li>• Interpersonal Skills</li> </ul>	<ul style="list-style-type: none"> <li>• One day workshop on “Interpersonal Skills” was conducted on 6<sup>th</sup> Dec. 2014. Dr. Synthia Mary Mathew of Social Sciences Department was the resource person. 29 faculty members participated.</li> </ul>
<ul style="list-style-type: none"> <li>• Leadership and Team Building Skills</li> </ul>	<ul style="list-style-type: none"> <li>• One day workshop on ‘Leadership and Team Building Skills’ was conducted on 24<sup>th</sup> January 2015. Mr. Philips Dayanidhi, Head-Manufacturing &amp; Business, Robert Bosch, Bangalore was the resource person. 45 faculty members participated</li> </ul>
<p>Development of Indigenous Academic Performance Index for the faculty members.</p>	<p>A draft API index for the faculty members of Lady Doak College has been evolved.</p>
<p>Integration of Information and Communications Technology (ICT) in Teaching and Learning- UG &amp; PG</p>	<p><b>Expected Learning outcome from the faculty members after attending training programs in ICT enabled Teaching-Learning-Testing (T-L-T) process.</b></p> <p>Insights from the programme could be incorporated in teaching / learning process in the forthcoming academic year:</p> <ul style="list-style-type: none"> <li>▪ Identify the key element in the facilitator/student</li> <li>▪ Develop the abilities to deal with unknown circumstances</li> <li>▪ Become a better thinker/problem solver</li> <li>▪ Flipped classroom teaching -learning process</li> <li>▪ Mobile learning</li> <li>▪ Using apps in classroom environment</li> <li>▪ Blend ICT tools with traditional methods help students to develop various skills from the basic to higher order critical thinking</li> <li>▪ Use technology to grab the attention of</li> </ul>

	<p>students</p> <ul style="list-style-type: none"> <li>▪ Use technology to sustain interest in learning process</li> <li>▪ Use ICT tools to help the learners build a concept map</li> <li>▪ Prepare 21<sup>st</sup> century lesson plan</li> <li>▪ Use educational tools like FM radio, e books, tablets, ipads, MySpace, blogs, Podcasts, MOOCs, etc efficiently.</li> <li>▪ Integrate MOOCs into the curriculum</li> <li>▪ Project based learning</li> <li>▪ Interdisciplinary curriculum</li> <li>▪ Digital age teacher should be orchestrator of learning</li> <li>▪ Use of space provided by bloggers/word press/websites etc. to teach Digital age learners</li> <li>▪ To design blogs/use blogs</li> </ul>
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7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

**Title of the practice:**

Core Communicative Skills course offered to all students in the first year.

**Objectives and Context of the practice:**

Communication skills are essential for the successful future career of students. In today's competitive world, communication skills are most sought after quality of an educated person. Reading, writing, speaking and listening carefully are the four most important communicative skills for students. What deserves attention is that most of the students do not feel confident in making presentations and speeches. But realizing the importance of these skills in modern day life, most good schools and colleges have made it a regular part of their curriculum.

Lady Doak College has almost 50% of the students as first generation learners and many of them come from villages around Madurai and have a Tamil medium school background. The College is constantly searching for new ways to help students develop their communication skills and make them industry ready and face the competitive world.

**The practice:**

Sciences streams have 4 hours and Humanities have 4 hours of Core Communicative Skill classes spread across two semesters. The syllabus is in alignment with the discipline. This was introduced in the year 2013. The list of core communicative skill courses offered by the departments is given below:

<b>Department</b>	<b>Course Code</b>	<b>Course Title</b>
Business Administration	BAE1101FS	COMMUNICATION SKILLS IN MANAGEMENT
	BAE2101FS	CASE ANALYSIS AND REPORTING SKILLS
Commerce	COM1101FS	COMMUNICATIVE SKILLS IN BUSINESS - I
	COM2101FS	COMMUNICATIVE SKILLS IN BUSINESS - II
Economics	ECO1101FS	COMMUNICATION SKILLS FOR LEARNERS OF ECONOMICS - I
	ECO2101FS	COMMUNICATION SKILLS FOR LEARNERS OF ECONOMICS - II
English	ENG1101FS	INTERPRETING LITERATURE - I
	ENG2101FS	INTERPRETING LITERATURE - II
History	HIS1101FS	LEARNING ENGLISH THROUGH HISTORY - I
	HIS2101FS	LEARNING ENGLISH THROUGH HISTORY - II
Social Sciences	SOC1101FS	COMMUNICATION SKILLS FOR SOCIAL SCIENCES
	PSY2101FS	COGNITIVE SKILLS FOR SOCIAL SCIENCES
Tamil	TAM1101FS	பேச்சுக்கலை (ART OF SPEECH)
	TAM2101FS	எழுத்துக்கலை (ART OF WRITING)
Biotechnology	BTE1101FS	ENGLISH THROUGH BIOLOGY
	BTE2101FS	ANALYTICAL BIOLOGY
Botany	BOT1101FS	COMMUNICATION SKILLS FOR BOTANY - I
	BOT2101FS	COMMUNICATION SKILLS FOR BOTANY - II
Chemistry	CHE1101FS	FUNCTIONAL ENGLISH FOR CHEMISTS
	CHE2101FS	DATA HANDLING AND PRESENTATION
Computer	CSC1101FS	COMMUNICATION SKILLS THROUGH

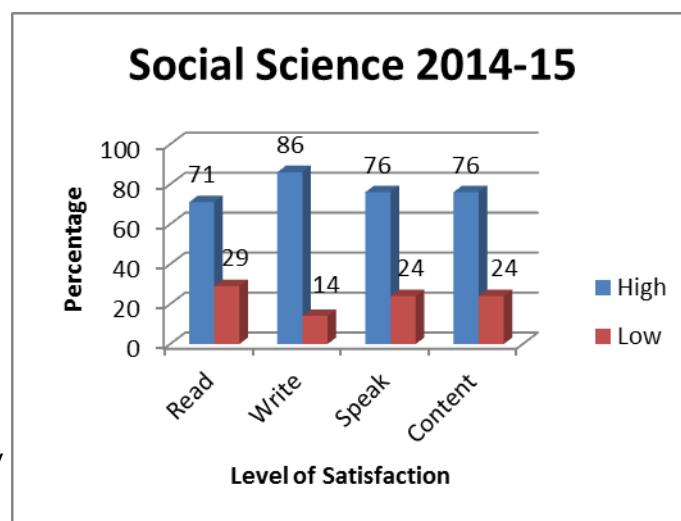
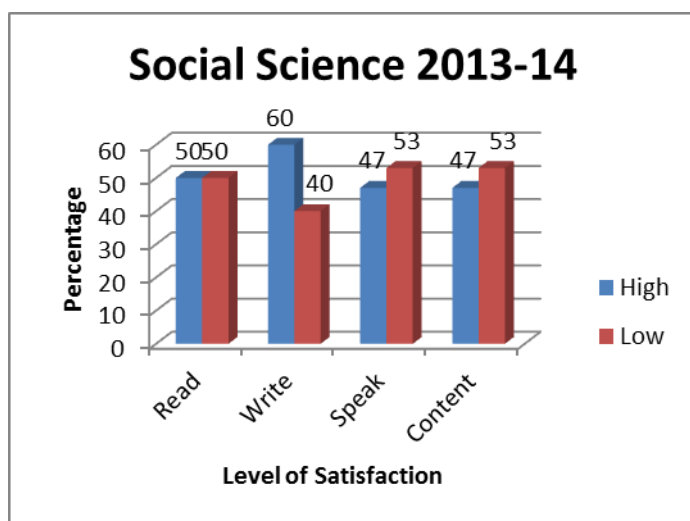
Science		COMPUTER SCIENCE
	CSC2101FS	PRINCIPLES OF PROGRAMMING LANGUAGE
Mathematics	MAT1101FS	COMMUNICATION SKILLS THROUGH MATHEMATICS
	MAT2101FS	COMMUNICATION SKILLS FOR MATHEMATICS
Physics	PHY1101FS	PHYSICS COMMUNICATIVE SKILLS
	PHY2101FS	DATA ANALYSIS AND REPORTING SKILLS
Zoology	ZOO1101FS	COMMUNICATIVE SKILLS FOR ZOOLOGISTS - I
	ZOO2101FS	COMMUNICATIVE SKILLS FOR ZOOLOGISTS - II

**Evidence of Success:**

In this context a study was undertaken to examine the effectiveness of Core Communicative Skill courses offered to students with the following objectives:

- To study the effectiveness of communicative skill courses offered to students
- To measure level of satisfaction of students with respect to Reading, Writing and Speaking Skills
- To measure level of satisfaction of students with respect to the content of the communicative skill course

1069 students from 2013 and 2014 batches from Sciences and Humanities departments participated in the study. The study revealed that the effectiveness of the programme has increased from 2013-14 to 2014-15 as indicated in the sample chart given below for the Department of Social Sciences:



### Centre for Environmental Studies

1. In commemoration of Ozone Day a rally was conducted to create awareness on the impact of ozone on the Environment on 16<sup>th</sup> Oct. 2014
2. A film by Yadartha – ‘The Origin of Earth’ was screened on 29<sup>th</sup> Nov. 2014
3. Energy Conservation Day was organized on 6<sup>th</sup> Dec. 2014 in which chart competition on Conservation of Electricity was conducted
4. Eco Awareness Week was observed from 15<sup>th</sup> to 19<sup>th</sup> Dec. 2014.
  - An awareness CD on Dengue was released by Madurai City Corporation Commissioner, Mr. Kathiravan IAS on 15<sup>th</sup> Dec. 2014
  - Conservation Day on 15<sup>th</sup> Dec. 2014
  - Reduce Emission Day on 16<sup>th</sup> Dec. 2014
  - Traditional Food Carnival on 17<sup>th</sup> Dec. 2014
  - Waste Minimization Day on 18<sup>th</sup> Dec. 2014
  - Competitions were conducted on 19<sup>th</sup> Dec. 2014
5. Green house gas (GHG) emission of the institution has been measured and reported. By implanting mitigation measures to reduce GHG emission the college proposes to become carbon neutral by 2020. Sustainability reporting will help the institution being recognized as a sustainable campus which will facilitate its standing in the international arena.

7.5 Whether environmental audit was conducted? No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Organisation Learning is an emerging concept in the discipline of Organisational Behaviour (OB). Organisational Learning is “the process by which an organization acquires, retains, and uses inputs for its development, and the process results in an enhanced capacity for continued self-learning and self-renewal”

A study on “Lady Doak College as a Learning Organization” was undertaken with the following objectives

#### OBJECTIVES OF THE STUDY:

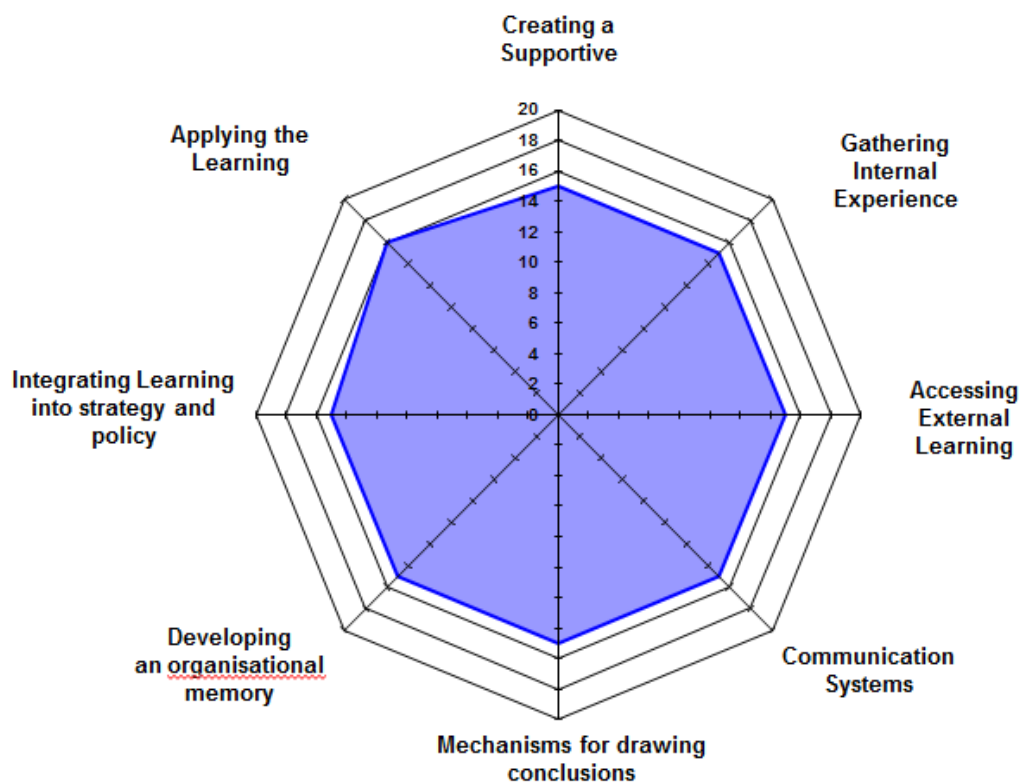
- To know the organization’s commitment to create a learning culture
- To identify if the organization keeps abreast with the happenings in its internal and external environment.
- To know whether the organization facilitates learning from the surrounding environment
- To find out if information is disseminated in an efficient manner
- To know if the organization has an effective information retrieval system
- To know the openness of staff members in acquiring new inputs
- To identify how the acquired knowledge is used and adapted
- To know the self-renewal initiatives of staff members as a component of growth

The Learning Organization Questionnaire was adopted from “The Learning NGO”, Bruce Britton (1998) & MS Excel version developed by Marc Steinlin and modified by Cunningham (2006)

The **Eight Dimensions** of the Overall Learning Organization studied were

- Creating a Supportive Culture
- Applying the learning
- Gathering Internal Experience organizations
- Assessing External Learning
- Communication System
- Mechanisms for drawing conclusions
- Developing an organizational memory &
- Integrating learning into strategy and policy

The diagram below shows that the overall Lady Doak College average is around 15 for all the 8 dimensions which clearly indicate that the college is a **Learning Organisation**.



#### 8. Plans of institution for next year

Item No.	Action Plan
1.	(a) Administrative Audit
	(b) Academic Audit
2.	Examination and Evaluation Reforms
3.	Implementation of Management Information System
4.	Towards an energy efficient campus
5.	Development of Structured Curriculum for Life Frontier Engagement in all the Undergraduate Programs
6.	Evolving Industry- Institute Business model for each department

7.	Academic Performance Index
8.	Integration of ICT in teaching and learning- UG and PG

*Name: Dr. V. Sridevi*  
*Sd. V. Sridevi*  
Signature of the Coordinator, IQAC

*Name: Dr. A. Mercy Pushpalatha*  
*Sd. A. Mercy Pushpalatha*  
Signature of the Chairperson, IQAC

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## **Annexure I**

### **Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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