

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

**2017-18**

**Part - A**

**Data of the Institution**

(data may be captured from IIQA)

**1. Name of the Institution**

Women's Christian College

- **Name of the Head of the institution :** Dr Lilian I Jasper
- **Designation:** Principal & Secretary
- **Does the institution function from own campus:** Yes
- **Phone no./Alternate phone no.:** 044 - 28275926 / 28276798
- **Mobile no.:** 9382171081
- **Registered e-mail:** [info@wcc.edu.in](mailto:info@wcc.edu.in)
- **Alternate e-mail :** [principal@wcc.edu.in](mailto:principal@wcc.edu.in)
- **Address :** No.51, College Road,  
Nungambakkam
- **City/Town :** Chennai
- **State/UT :** Tamil Nadu
- **Pin Code :** 600 006



## 7. Internal Quality Assurance System

<b>7.1 Quality initiatives by IQAC during the year for promoting quality culture</b>		
<b>Item /Title of the quality initiative by IQAC</b>	<b>Date &amp; duration</b>	<b>Number of participants/beneficiaries</b>
Expression of interest for development of MOOC course for Post graduate programs in Computer Science, Home Science and Psychology	September 2018 (1+2 days)	13 and 5
Academic Audit	27 <sup>th</sup> January 2018	All faculty and 68 external subject experts
Participation in the NIRF ranking		Inputs from all faculty, students and stakeholders
The Second Annual International Conference on Expressive Arts Therapy in India, jointly organized by the Departments of Psychology and English, Women's Christian College and East West Center for Counselling and Training	February 13 <sup>th</sup> and 14 <sup>th</sup> , 2018.	-
The National Conference on 'Mathematics and Computer Applications' (NCMCA 2018) organized by Department Of Computer Science	24 <sup>th</sup> & 25 <sup>th</sup> January 2018	230
National conference titled: Agenda for Peace amidst Conflict: Film and Stage Productions organized by the Department of English	January 30 <sup>th</sup> and 31 <sup>st</sup> , 2018	-
National Symposium on "Frontiers in Home Science and Its Applications" organized by the Department of Home Science, the Centre for Nutrition- Counseling, Research and Extension Activities (CNCREA) and the Nutritional Science Club.	16 <sup>th</sup> February 2018	550
National Seminar on "Women In Indian Armed Forces: Changing	July 26 <sup>th</sup> , 2017	250

Contexts And Transformation” organized by Department of History, Centre for Women’s studies in collaboration with The Peninsula Foundation. Sponsored by the Indian Council of Social Science Research, New Delhi and Indian Council of Social Science Research (SRC), Hyderabad		
Seminar on “Digital India – a step towards cashless, paperless and face less economy” organized by the Department of Commerce	July 26th, 2017	-
Seminar on ‘Women in Entertainment Media production’ organized by PG Department of Communication, Women’s Christian College in collaboration with the Centre for Women’s Studies, WCC	30 <sup>th</sup> November 2017	237
UGC sponsored National Workshop on ‘Graph Matching Approach towards Women Related Cancer’ organized by the UG and PG Departments of Mathematics	24 <sup>th</sup> November 2017.	369
National level Workshop on “Data Analysis with R Programming” organized by Department of Computer Applications	19 <sup>th</sup> and 20 <sup>th</sup> February 2018	35
Mahilaon - Manya 18, Workshop on Women Empowerment organized by the Department of Commerce (Accounting and Finance), in association with Manya - The Princeton Review. February 12, 2018	February 12, 2018	237
Rachel Philip Endowment Workshop on ‘Concepts of Sustainability’ organized by the Department of Advanced Zoology &	7 <sup>th</sup> and 8 <sup>th</sup> February 2018	45

Biotechnology		
Workshop on Entrepreneurship Development organized by Department of Commerce	12 <sup>th</sup> February 2018	1025
A State Level Faculty Development Program on Introduction to R Programming was organised by the Department of Computer Science & Technology	18th & 19th January 2018	26
A Workshop on Communication and Management skills was organised for non-teaching administrative staff	5 <sup>th</sup> , 7 <sup>th</sup> & 8 <sup>th</sup> December 2018.	25
Workshop on Emerging Trends in Research Methodology was conducted for faculty members of WCC. The resource persons for the workshop were Dr. Swaminathan, Department of Psychology, University of Madras and Dr. Luke Hannah Elizabeth, Scientist, NIRT, Chennai.	19th July 2017	40
Orientation program for new faculty was organised by IQAC	3rd August 2017	31
A Training Program in Experimental Physics was organized by the Department of Physics, WCC, Chennai Sponsored by DBT star college scheme for teachers and students.	11th August 2017	30
A workshop on “Self Employment and Entrepreneurship- <i>a changing paradigm</i> ” was conducted in association with the National Small Industries Corporation(NSIC) Technical Services Centre, Chennai was organised by the Department of Commerce (A&F)	7 <sup>th</sup> September 2017.	-

Training workshop at Women's Christian College in "Student Centered Learning" organized by Women's Christian College, Chennai and the United States Education Foundation (USIEF), Chennai.	24th and 25th of January 2018	38
Train-the-Trainer workshop at Women's Christian College in "Student Centered Learning" organized by Women's Christian College, Chennai and the United States Education Foundation (USIEF), Chennai.	26th and 27th of March 2018	18
Workshop at Women's Christian College in "Intellectual Property rights and innovations" organized by IQAC and research Cell of women's Christian College.	26th of March 2018	41
A lecture and practical training session on segregation of waste for support staff	October 2017	40
Participation in the NIRF ranking	13 <sup>th</sup> November 2017	Inputs from all faculty
Regular meetings of the IQAC	16 <sup>th</sup> August 2017 19 <sup>th</sup> December 2017 & 12 <sup>th</sup> April 2018	23 members

**8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
College		UGC	2017-18	18,91,800
All Science Departments	Star College	DBT	2015-16	47,00,000
	FIST	DST		70,00,000
College		CPE	April 2016	1,20,00,000

**9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No:**

Yes

\*upload latest notification of formation of IQAC

[www.naac.gov.in/docs/IQAC-2017-revised.doc](http://www.naac.gov.in/docs/IQAC-2017-revised.doc)

**10. No. of IQAC meetings held during the year:** Three

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.

<https://wcc.edu.in/wp-content/uploads/2018/IQAC/IQAC-Minutes-Agenda-and-Action-Taken-Report.pdf>

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

Yes Women's Christian College Management, for FDP, Student & Faculty Research Seed Grant and for publication of conference proceedings.

Travel expenses for attending conferences and workshops were also received to enhance quality.

**If yes, mention the amount:** 4,38,699/- **Year:** 2017-18

**12. Significant contributions made by IQAC during the current year (maximum five bullets)**

- ❖ Reinforcing outcome based teaching learning through development of program outcomes, program specific outcomes and course outcomes
- ❖ Conduct of academic audit and use of feedback in developing future plans
- ❖ Promoting student centric teaching through FDP workshops for faculty and introduction of Learner Designed Courses, Service Learning programs and add on certificate courses
- ❖ Encouraging innovation and research in unexplored areas through workshop on Intellectual property rights and patents for faculty
- ❖ Facilitating more functional MoUs to enhance the teaching -learning-research and extension components

**13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

<b>Plan of Action</b>	<b>Achievements/Outcomes</b>
Conduct Academic Audit	Conducted on February 27th 2018
Include MOOC / NPTEL courses	Introduced as component of a course for 2018 batch onwards 724 students undertook and completed NPTEL courses and 20 opted to receive certification. 244 students underwent the spoken tutorial and underwent certification
Evaluate achievement of Learning outcomes in courses where it was included (Courses that underwent syllabus revision)	The course booklets carry learning outcomes, for students easy understanding of the scope of courses
Enlarge the learning process through Adjunct faculty, Visiting scholars, Scholar in residence-Faculty working in Universities within & outside India	<ul style="list-style-type: none"> <li>• Dr Jinjie Lu, United Board Visiting Scholar from Ginling College ,China</li> <li>• Dr. Ken Rouse, Le Tourneau University, USA invited to give special lecture on ‘Technology Enhanced teaching and Learning’</li> <li>• Ms.Cynthia Dettman, Fulbright – Nehru Scholar-FDP on SCL-basic and advanced levels</li> <li>• Special Lectures organised by Departments of PBPB, AZBT CST, PG Maths</li> </ul>
Facilitate Student centric learning environment	Service learning programs, Learner designed courses, Projects, Assignments to encourage experiential learning. Training in Student Centric learning for faculty
Assess outcome of MOUs signed last year	Yes
Add on Certificate courses	<ul style="list-style-type: none"> <li>• Certificate course in App development using MIT app inventor (CSc-20 hrs)</li> <li>• Certificate course on Data Analysis using python (CSc-30 hrs)</li> <li>• Certificate Course in Quantitative aptitude ( UG Math-25 Hrs)</li> <li>• Certificate course in web design using Joomla (IT &amp;CST 15 hrs)</li> </ul>



	<ul style="list-style-type: none"> <li>• 3 level certificate course in Fundamentals of Capital Market, Securities operations &amp; risk management; Mutual funds leading to Diploma in Financial &amp; Capital Market (B.Com Gen)</li> <li>• Online Certificate course in Business Process Accounting (BCom Gen-15 hrs)</li> <li>• Certificate course in accountancy (BCom Gen-120 hrs)</li> <li>• Certificate Course in Quantitative aptitude ( PG Math-25 Hrs)</li> <li>• Payroll certification (MA HRM 7 days)</li> </ul>
MOUs -College  MOUs -Departments	<ul style="list-style-type: none"> <li>• Ginling College, China</li> <li>• Holy Cross College, Agartala</li> <li>• Le Tourneau University, Texas, USA</li> <li>• Concordia College, New York, USA</li> <li>• Apollo Shine</li> <li>• Association of Certified Chartered Accountants (ACCA) (Commerce)</li> <li>• ANSA India Pvt Ltd (Commerce)</li> <li>• CIMA, UK</li> <li>• Stone Bench Creations (PG Comm)</li> <li>• Inaword, Chennai</li> </ul>
<ul style="list-style-type: none"> <li>• Impetus for Research – Management Seed grant for student research</li> <li>• WCC peer reviewed research journal ‘Eleanor – A Multidisciplinary Journal’</li> </ul>	<ul style="list-style-type: none"> <li>• Seed grant for student research</li> <li>• Seed grant for Faculty research</li> <li>• Eleanor received ISSN No.: 2456-857X and 2<sup>nd</sup> issue ready for publication</li> </ul>
Implementing the Comprehensive IT Policy to address standards on IT Service Management, Information security, Network Security, risk management and software asset management	Standard Operating Procedure set up for purchase, repair and disposal of computers, accessories and peripherals
Implementing Food Policy	Being implemented in a phased manner

Implement policy	Environmental	Being implemented in a phased manner
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**14. Whether the AQAR was placed before statutory body? Yes /No: Yes**

Name of the statutory body: Governing Body

Date of meeting(s): 22<sup>nd</sup> September 2017

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?**

**No**

Date: NA

**16. Whether institutional data submitted to AISHE: Yes/No: Yes**

Year: 2017-18

Date of Submission: 7<sup>th</sup> March 2018

**17. Does the Institution have Management Information System?**

**If yes, give a brief description and a list of modules currently operational.**

Yes, the College uses SATVAT Infosol Pvt Ltd. software to manage all its functions. All administrative functions from admission of students to attendance, examinations, issue of Hall tickets is done through this software. Faculty enter attendance and marks through this network. Information is disseminated between offices and departments through the intranet facility which is a component of this software. The following modules have been developed for use by the Institution.

**ADMISSION**

1. Admission (UG, PG & M.Phil )
2. Application process
3. Admitted Student records

**FEES**

4. Term fees setting & Collection
5. Hostel
6. Others
  - a. Admitted reports
  - b. Student Search
  - c. Staff Master Entry, updation & User rights
  - d. Student edit details in various categories

## TC

7. Issue of Discontinued & Regular TC

## ACADEMIC DEANS

8. Subject Registration
9. Attendance
10. Lack Calculation in Attendance
11. CIA Marks Entry by Staff & Admin along with reports

## EXAM UNIT

12. Exam Panel
13. Exam Fees Collection
14. Exam Scheduling & Seating Arrangement
15. Invigilation
16. Arrear registration
17. Arrear process
18. Valuation & Marks Entry
19. Result process
20. Re-totalling & Re-evaluation process
21. Marks Sheet & Result copy

## ADMINISTRATION

22. Course & Staff Evaluation
23. Convocation registration
24. Data Compilation for reports
25. Feedback mechanism

## Part-B

<b>CRITERION I – CURRICULAR ASPECTS</b>		
<b>1.1 Curriculum Design and Development</b>		
<b>1.1.1 Programmes for which syllabus revision was carried out during the Academic year</b>		
<b>Name of programme</b>	<b>Programme Code</b>	<b>Dates of revision</b>
B.A History	020	20/03/2018
B.Sc Mathematics	MAT	6.4.2017
B.Sc. Plant Biology and Plant Biotechnology	Physiology and Biochemistry of Plants –Practical (UPB/CO/67)	June2017
AZBT		2015 – 16 (revised)

B.Sc. NUT	Communication & Diet Counselling UND/CE/08	06.03.2017
B.Sc. NUC	Entrepreneurship for Women	06.03.2017
MSc FSM	Selected topics in Physiology PMN/CO/14	06.03.2017
	Applied Statistics and Research Methodology PMN/CO/15	06.03.2017
	Selected topics in Food Service Management PFM/CO/17	06.03.2017
	Physical facilities for Food services PFM/CO/18	06.03.2017
	Financial and Marketing Management for Food services PFM/CO/19	06.03.2017
	Community Nutrition PMN/CO/18	06.03.2017
	Community Nutrition Project PMN/CO/19	06.03.2017
	Catering Management PFM/CO/20	06.03.2017
	Readings in Dietetics PMN/CO/20	06.03.2017
	Human Resource Management PFM/CO/21	06.03.2017
	Nutrition Counseling- Skills & Techniques PMN/SK/04	06.03.2017
	MSc FSN	Selected topics in Physiology PMN/CO/14
Applied Statistics and Research Methodology PMN/CO/15		06.03.2017
Biochemistry Paper I PFN/CO/17		06.03.2017
Biochemistry Paper II PFN/CO/18		06.03.2017
Readings in carbohydrates and lipids PFN/CO/19		06.03.2017
Community Nutrition PMN/CO/18		06.03.2017
Community Nutrition Project PMN/CO/19		06.03.2017
Readings in Energy & Proteins PFN/CO/20		06.03.2017

	Readings in Dietetics PMN/CO/20	06.03.2017
	Readings in Minerals & Vitamins PFN/CO/21	06.03.2017
	Nutrition Counseling- Skills & Techniques PMN/SK/04	06.03.2017
B.Sc. Psychology	XIV-PSY	27 <sup>th</sup> June 2017
M.Sc. Psychology	VIB-PPS	27 <sup>th</sup> June 2017
Part I French	-----	2017-18
B.Com General	036	Nil
	036	2016
	036	2017
B.Com(Honours)	043	13-06-2017
B.Com CA	Programming in C UCM/CE/31	13th June, 2017
	Self-Leadership UCM/SK/03	
	PC Software for business Applications UCM/CO/122	
	Indirect Tax UCM/CO/118	
	Corporate Accounting-II UCM/CO/126	
	Company Accounts UCM/CO/127	
B.COM (A & F)	34	2017-18
	RDBMS UCA/CO/21	20/04/2017
	Software Testing UCA/CO/76	20/04/2017
	Basics of Cloud Computing UCA/CE/13	20/04/2017
	Advanced Java Programming Practical UCA/CO/71	20/04/2017
	Big Data Analytics UCA/CE/20	20/04/2017
	Data Mining and Data Warehouse UCA/CE/14	20/04/2017
BCA	Software Engineering UCA/CO/46	20/04/2017
B.Sc. Visual Communication		2018
M.Sc. Computer Science and Technology	079	09-06-17
B.Sc. IT	UIT	09.06.2017
M.Sc. IT	PIT	09.06.2017
M.Sc. Biotechnology	047	April 2017
M.Sc. Chemistry	049	6 <sup>th</sup> April 2017

MA Communication	017 [Courses: Principles of Communication- PMC/CO/27 Reporting and Editing- PMC/CO/28 Advertising- PMC/CO/30M Television and Radio Production- PMC/CO/33 Photography (Practical)- PMC/CO/31M]	2018
M.Sc. Mathematics	Operations Research PMA/CE/21	16/06/2017
M.A. English		June 2018
Tamil	Tamil Paper I UTA/TG/38 Tamil Paper II UTA/TG/39 Tamil Paper I UTA/TG/40 Tamil Paper II UTA/TG/41 Tamil Paper III UTA/TG/42 Tamil Paper IV UTA/TG/43 Basic Tamil I UTA/NM/44 Basic Tamil II UTA/NM/45 Advanced Tamil I UTA/NM/46 Advanced Tamil I UTA/NM/47	20.03.2018

**1.1.2 Programmes / courses focussed on employability / entrepreneurship / skill development during the Academic year**

Programme with Code	Date of introduction	Course with Code	Date of Introduction
B.A History 020	1915	1. Indian Archaeology - UHS/CO/41	28/02/14
		2. Home Economics -UHS/NM/03	5/3/15
		3. Entrepreneurial Skills - UHS/SK/06	5/3/15
		4. e- Applications in Business - UHS/SK/07	1/6/17
		5. Quantitative Methods for History - UHS/CO/44	1/6/17
		6. Indian Archaeology - UHS/CO/49	1/6/17
B.A. English		Advertising and Public Relations UEN/SU/16 Journalism UEN/CE/05 Short film Production UEN/CE/14	
B.Sc. Mathematics		UMA/CO/45 - Elements of	June 2017

		<p>Operations Research UMA/SE/01 – Probability Distributions June2011</p> <p>UMA/SE/02 – Statistical Inference June2011</p> <p>UMA/CE/14 – Advanced Operations Research June 2017</p> <p>.UMA/CE/12-Programming in C June2015</p> <p>UMA/CE/10- Mathematical Statistics June2014</p> <p>UMA/SK/06 – Logical Reasoning and Information Security June 2015</p> <p>UMA/SK/04 – Mathematical Open Source Software and Information Security June2013</p> <p>UMA/SK/03-Quantitative and Logical Reasoning June2013</p> <p>UMA/EL/11-Service Learning June2012</p> <p>UMA/NM/05-Statistics using R June2015</p> <p>UMA/NM/03 -Linear Programming June 2009</p> <p>UMA/EL/12-Project June2016</p>	
B.Sc. Chemistry		<p>Selected Analytical techniques in Chemistry UCH/SE/22 2017 - 2018</p> <p>Certificate course on Dyeing and Printing ( to be offered in Nov 2018) 2017 - 2018</p>	
B.Sc. Plant Biology and Plant Biotechnology		<p>Mushroom cultivation (UPB/NM/03) June 2017</p> <p>Fundamentals of Gardening (Hydroponics) (UPB/CO/65) June 2007</p> <p>Cytology, Anatomy and Embryology (UPB/CO/53) June 2015</p> <p>Ecology, Phytogeography &amp; Remote Sensing (UPB/CO/61) June 2015</p> <p>Plant Biotechnology (UPB/CO/63) June 2017</p> <p>Fundamentals of Food Microbiology (UPB/CE/27) June 2015</p> <p>Techniques in Bioinstrumentation June 2015</p>	

		- Practical (UPB/SU/08) Computer Fundamentals for Biologists(UPB/SK/02)	June2013
B.Sc. Advanced Zoology & Biotechnology		Aquarium keeping UZB/NM/07	2010
		Basics of bird watching UZB/NM/06	2014
		Economic Zoology UZB/CE/08	Prior to 2010
		IT tools for Biologists and Bioinformatics UZB/SK/03	2012
		Bioinformatics and Nutrigenomics UZB/EL/02	2013
M.Sc FSM		Entrepreneurship PFM/EL/01	06.03.2017
M.Sc FSM & FSN		Food Theory and Applications PMN/CO/16	06.03.2017
		Sports and Exercise Nutrition PMN/EL/08	06.03.2017
		Basics in Guidance and Counseling PMN/EL/10	06.03.2017
		Scientific Writing PMN/SK/03	06.03.2017
B.Sc. Computer Science		Python Programming (UCS/SE/07)	2018 batch onwards
		Problem Solving using Python (UCS/SE/08)	2018 batch onwards
		Data Structures using Python (UCS/SE/09)	2018 batch onwards
B.Sc. (XIV-PSY)	1999	Counselling Psychology (UPS/CO/22)	1999
		Practical II (UPS/CO/31)	1999
		Introduction to Health Psychology (UPS/CE/05)	23 <sup>rd</sup> March 2010
		Descriptive statistics (UPS/SU/05)	1999
		Inferential Statistics (UPS/SE/03)	1999



M.Sc.(VIB-PPS)	2002	Relationship building skills (UPS/NM/01)	7 <sup>th</sup> March 2009
		Counselling (PPS/CO/24)	11 <sup>th</sup> April 2002
		Behaviour Modification (PPS/CO/24)	11 <sup>th</sup> April 2002
		Psychological therapies (PPS/CO/28)	11 <sup>th</sup> April 2002
		Psychological Interventions in educational setting (PPS/CO/41)	11 <sup>th</sup> April 2002
		Psychological Testing I (PPS/CO/42)	11 <sup>th</sup> April 2002
		Psychological Testing II (PPS/CO/16)	11 <sup>th</sup> April 2002
		Case Studies (PPS/CO/18)	11 <sup>th</sup> April 2002
		Project in organisations (PPS/CO/19)	14 <sup>th</sup> February 2005
		Summer placement (PPS/CO/39)	7 <sup>th</sup> March 2009
		Internship (PPS/CO/17)	5 <sup>th</sup> May 2003
		Nature, causes and remediation of Learning Disability (PPS/CE/09)	14 <sup>th</sup> February 2005
		Training in organisations (PPS/CE/11)	14 <sup>th</sup> February 2005
		Practice of Basic Counselling Skills (PPS/SK/01)	20 <sup>th</sup> March 2006
Application of Behaviour Modification Techniques (PPS/SK/03)	20 <sup>th</sup> March 2006		
Basic Training for Trainers	20 <sup>th</sup> March 2006		

		(PPS/CE/21) Current trends in Developmental Disabilities (PPS/EL/14) Criminal and Forensic Psychology (PPS/CE/24) Introduction to Diagnostic Classification (PPS/EL/15)	14 <sup>th</sup> February 2005 10 <sup>th</sup> March 2015 27 <sup>th</sup> June 2017
Part- I Hindi	1915	Gadhya avam prayogatmak vyakaran ULH/HI/19	2015
		Katha sahitya aur prayojan moolak Hindi ULH/HI/20	2015
		Padhya aur uski pravratayan ULH/HI/21	2015
		Upanyaas aur Nibandh lekhan ULH/HI/22	2015
		Hindi Pravesh (Introductory course) ULH/SK/05	2015
		Sambhashaniya hindi (conversational) ULH/SK/06	2015
		Prathamik hindi ULH/NM/06	2015
		Paryatan hindi (tourism) ULH/NM/07	2015
Part- I French	1915	Le Français Interactif I ULF/FR/09	2016
		Le Français Interactif II ULF/FR/10	2016
		S'envoler en français I ULF/FR/11	2017
		S'envoler en français II ULF/FR/12	2017
		French for DELF A1 ULF/SK/05	2012
		Cours Elementaire ULF/SK/01	2012
		Francais pour debutants ULF/NM/02	2012
Tamil		Job Oriented Tamil ULT/SK/02	29.2.2012
		Tourism ULT/SK/03	29.2.2012
		Journalism with Tamil Computing ULT/SK/04	2. 3. 2016
B.Com Code 036	August 1998	1. PC Software for Business Applications - UCM/CO/122 2. Entrepreneurial Development -	2008

		UCM/CE/21 3. Tally - UCM/SK/01 4. Self-Leadership - UCM/SK/03 5. Re-Inventing Leadership For E-Economy - UCM/CD/05 6. Financial Accounting - UCO/CO/03 7. Quantitative Analysis for Business Decisions - UCO/SU/01	2017 2018 2018
		Business Mathematics - UCM/SE/08	2016
B.Com (General)	2015	Income Tax Law and Practice(I&II) UCM/CO/106, UCM/CO/78	2012
		Principles of HRM UCM/SU/13	2012
		Entrepreneurial Development UCM/CE/21	2013
		PC Software for business Application UCM/CO/122	2016
		Tally UCM/SK/01	2010
B.Com (Hon) 043	2012	Internship-UCM/OJ/02 Research Methodology and Techniques-UCM/CO/109 Computer Applications in Business- UCM/CO/99 Business Development and Entrepreneurship-UCM/CO/71 Investment Management- UCM/CO/81 Project & Viva Voce-UCM/CO/83	2012 2013 2013 2013 2014 2014
B.Com CA		PC Software for Business Applications UCM/CO/122	2017
		Self-Leadership UCM/SK/03	2017
B.COM (A & F) - 34	2003	Employability: Project (Research Methodology) - UCM/CE/01	2008-09
		Skill development: Self Leadership - UCM/SK/03	2017-18
		Entrepreneurship: Entrepreneurial Development - UCM/CE/21	2005-06
		Skill development & Employability: PC Software for Business Application - UCM/CO/122	2008-09

		Skill development & Employability: Tally- UCM/SK/01	2008-09
BCA		Fundamentals of DBMS UCA/SE/04	2013
		PC Software and Basic Computer Operations UCA/SK/02	2012
		Enhancing Personality UCA/SK/05	2012
		Numerical Aptitude and Reasoning UCA/SK/04	2014
		Organizational Behaviour UCA/NM/02	2012
B.Sc. Visual Communication	2003	Drawing UVC/CO/02	2012
		Basic Photography UVC/CO/19	2012
		Television Production UVC/CO/21	2012
		Basics of 2D Graphics UVC/CO/20	2012
		Advertising UVC/CO/08	2012
		Broadcast Production UVC/CO/23	2012
		Internship – I UVC/CO/08	2012
		Introduction to 3D Animation UVC/CO/12	2012
		Web Designing UVC/CO/22	2012
		Internship – II UVC/CO/14	2012
		Advanced Photography – I UVC/CE/11	2012
		Television Production – I UVC/CE/03	2012
		Digital Compositing – I UVC/CE/14	2012
		Advanced Photography – II UVC/CE/12	2012
		Television Production – II UVC/CE/13	2012
		Digital Compositing – II UVC/CE/07	2012
		Advanced Photography – III UVC/CE/08	2012
		Television Production – III UVC/CE/15	2012
		Digital Compositing – III UVC/CE/16	2012

		Non Linear Editing UVC/SK/01	2012
		Art of Sound UVC/CO/28	
		Professional Photography-I UVC/CE/17	2015
		Professional Photography-II UVC/CE/18	2015
		Professional Photography-III UVC/CE/19	2015
		Principles and Practices of Photography UVC/CO/30	
		Film Studies (syllabus to be passed in Board of Studies) UVC/CO/33	2018
M.Sc CST (079)	2001	Web Graphics Lab UCT/CO/44	2017
		C Programming UCT/CO/46	2017
		C and Data Structures Lab UCT/CO/47	2017
		Object Oriented Programming using C++ UCT/CO/08	2008
		C++ Lab UCT/CO/49	2017
		Linux Programming Lab UCT/CO/51	2017
		JAVA Programming UCT/CO/52	2017
		JAVA Programming Lab UCT/CO/53	2017
		On the Job Training UCT/OJ/01	2017
		Web Technology UCT/CO/38	2016
		Web Applications Lab UCT/CO/39	2016
		Relational Database Management Systems UCT/CO/54	2017
		RDBMS Lab UCT/CO/18	2008
		Computer Graphics and Multimedia UCT/CO/55	2017
		Android Application Development Lab UCT/CO/42	2016
		Software Development Lab UCT/CO/56	2017
		Advanced Java PCT/CO/30M	2018
	Network Programming PCT/CO/23	2016	
	Advanced Java Lab PCT/CO/31	2018	
	Network Programming Lab	2016	

		PCT/CO/24	
		PERL and PHP Scripting PCT/CO/33M	2018
		PERL and PHP Scripting Lab PCT/CO/34	2018
		XML and Web Services Lab PCT/CO/27	2016
		Internship PCT/CO/11	2008
		Windows Programming PCT/CO/12	2008
		Windows Programming Lab PCT/CO/14	2008
		Research Tools Lab PCT/CO/29M	2016
		Project Work PCT/CO/35	2017
		Research Rudiments PCT/CO/36M	2018
		*Python Programming PCT/CE/29M	2017
		\$Software Development using FOSS Lab PCT/CE/31	2017
		Internet Basics UCT/NM/03	2013
		Ethics in Information Technology UCT/NM/01	2013
		Personality Enhancement UCT/SK/04	2018
		Employability Skills UCT/SK/03	2015
		Rudiments of Web Design PCT/NM/01	2015
		Rudiments of Computing PCT/NM/03	2017
		Advanced Excel PCT/SK/06	2015
		PC Software PCT/SK/07	2015
		Teaching Aptitude PCT/SK/09	2018
M.Sc IT	2001	Data structures in C++-Practical PIT/CO/54	2012
		Linux Programming –Practical PIT/CO/52	2014
		.Net with C# Programming PIT/CO/44	2014
		RDBMS-Lab UIT/CO/46	2016
		.Net with C# Programming - Practical - PIT/CO/47	2014
		Open Source Scripting Lab PIT/CO/48	2014

		Software Development Lab PIT/CO/61	2017	
		Advanced Java - Practical PIT/CO/57	2014	
		Internship PIT/CO/10	2012	
		Android Application Lab PIT/CO/50	2016	
		Project Work PIT/CO/51	2012	
B.Sc IT	2001	Desktop Publishing - Practical UIT/CO/02	2016	
		C and Data Structures -Practical UIT/CO/05	2016	
		C++ Programming - Practical UIT/CO/09	2016	
	2016	Linux Programming Practical UIT/CO/10	2016	
		Web Programming using C# - Practical UIT/CO/13	2016	
		RDBMS - Practical UIT/CO/14	2016	
		Java Programming - Practical UIT/CO/17	2016	
		Android Applications - Practical - UIT/CO/18	2016	
		Internship UIT/CO/19	2016	
		PHP Programming - Practical UIT/CO/21	2016	
	Software Development Lab UIT/CO/23	2017		
	M. Sc. Biotechnology - 047	4 <sup>th</sup> September 2000	1. Bioinstrumentation & Biophysics - PBT/CE/21	2009
			2. Bioethics and Biostatistics - BT/CE/16	2009
3. Pharmaceutical Biotechnology - BT/CE/18			2009	
4. Stem Cell Technology and Tissue Engineering - PBT/CE/22			2016	
5. Health and Safety Education - PBT/CE/23			2012	
6. Management and Entrepreneurship - PBT/CE/20			2012	
M.Sc Chemistry- 049	2007	Chemistry in everyday life (PCH/SK/07)	2011	
		Computers in Chemistry (PCH/SK/06)	2007	

		Clinical biochemistry (PCH/EL/27)	2007
		Internship (PCH/CO/09)	2008
PG Mathematics	August 2009	1. Quantitative Aptitude and Logical Reasoning (PMA/SK/01) 2. Career Guidance Cell 3. Internship	March 2010 March 2010 March 2009
M.Sc Physics - PPH	1999	Microprocessor and Microcontroller (Theory) - PPH/CE/11	2005
		Microprocessor and Microcontroller (Practical) - PPH/CE/19	2005
		Numerical Methods and C Programming - PPH/EL/09	2005
		Environmental Physics - PPH/EL/10	2012
		Astronomy and Astrophysics - PPH/EL/06	2017
		Medical Physics and Instrumentation Techniques - PPH/EL/01M	2010
		Energy Sources and its Impacts- PPH/EL/05	2008
		Nanoscience and Technology - PPH/EL/04	2007
		Nanoscience - PPH/NM/04	2010
		Energy Physics - PPH/NM/05	2010
		Everyday Physics- PPH/NM/06	2010
		Medical Physics - PPH/NM/02	2010
		Workshop Practice - PPH/SK/04	2011
M.A. Communication		Employability : PMC/CO/12 - Public Relations Campaign	2001
		PMC/CO/22 - Television production	1997
		PMC/CO/23 - Photography	1997
		PMC/CE/07 - Advertising campaign	1997
		PMC/CE/08 - Online Journal	1997
		PMC/CE/14 - Radio production	
		PMC/CE/16 - Current Affairs	2014



		Skill development : PMC/SK/05 - Communication Skills	2009
MAHRM	2007	Dynamics of Personal and Managerial Effectiveness PHR/CE/10	2013-2014
		Stress Management PHR/SK/10	2009
		Business Communication PHR/SK/09	2007
M.A. English	June 2013	Writing for Official Communication and Research	June 2013
		Essentials of Spoken and Presentation Skills	June 2013
		Theatre for Communication	June 2018
		Basics of Copy Editing	June 2018
All UG Courses		Introduction to Journalism and Writing Skills	June 2012
		Business English	June 2015
		Basic Grammar and Communication Skills	June 2015
		Creative Writing	June 2015
Languages		Hindi Katha Sahitya aur prayojanmoolak Hindi UHI/HG/19	November 2015
		Sambhashaniya Hindi PHI/SK/ 01	November 2016
		French - Français parlé -PFR/SK/03	June 2016

## 1.2 Academic Flexibility

### 1.2.1 New programmes/courses introduced during the Academic year

Programme /Course		Date of Introduction	
B.A History	1. Economic History of India – UHS/ SE/ 17	01/06/17	
	2. Political Reforms in China – UHS/CO/54	28/02/11	
	3. Project - UHS/CE/19	01/06/17	
	4 History by Numbers – I – UHS/CE/17	01/06/17	
	5. Project - UHS/EL/01	01/06/17	
	6. History by Numbers – II – UHS/CE/18	01/06/17	
B.Sc. Mathematics	UMA/CO/45 – Elements of Operations Research	June 2017	

	UMA/CE/14-Advanced Operations Research UMA/CO/46 – Real Analysis II UMA/LD/01 – An Introduction to Chaos , Fractals and Game Theory		
B.Sc. Physics	<ol style="list-style-type: none"> <li>1. Properties of Matter and Sound (UPH/CO/41)</li> <li>2. Mechanics and Fundamentals of Classical Physics (UPH/CO/42)</li> <li>3. Nanoscience and Nanotechnology (UPH/CE/24)</li> </ol> <p>Learner Designed Courses:</p> <ol style="list-style-type: none"> <li>1. Introduction to Astrophysics(UPH/LD/20)</li> <li>2. Many-Worlds Interpretation And Copenhagen Interpretation of Quantum Mechanics (UPH/LD/21)</li> <li>3. Physics of Biological Systems (UPH/LD/22)</li> </ol>	<p>June 2017 (05.04.2017(BOS))</p> <p>June 2017 (05.04.2017(BOS))</p> <p>Nov.2017 (06.03.2015(BOS))</p> <p>June 2017 (05.04.2017(BOS))</p>	
B.Sc. Chemistry	<p>Inorganic Organic and Physical Chemistry Paper-I UCH/CO/35M</p> <p>Inorganic, Organic &amp; Physical Chemistry Paper-II UCH/CO/37M</p> <p>Inorganic, Organic &amp; Physical Chemistry Paper-III UCH/CO/38M</p> <p>Inorganic, Organic &amp; Physical Chemistry</p>	2017-18	

	Paper-IV UCH/CO/39M		
	Organic Chemistry I UCH/CO/41M		
	Selected Analytical Techniques in Chemistry UCH/SE/22		
PPPB	Pharmacognacy and Herbal Science (UPB/LD/01) Forestry (UPB/CE/26) Frontiers in Food Microbiology (PPB/EL/06) Applications and Techniques in Food Microbiology (PPB/EL/07) Mushroom Cultivation (UPB/CE/30)	June 2017  June 2015  June 2017  June 2017  June 2017	
B.Sc. AZBT	NME Course <ul style="list-style-type: none"> <li>Basics of Bioinformatics (UZB/NM/08)</li> </ul> LD courses <ul style="list-style-type: none"> <li>Communication sciences – Speech and Hearing (UZB/LD/21)</li> <li>Agroecology (UZB/LD/22)</li> <li>Urogynaecology (UZB/LD/23)</li> <li>Corel Reef Ecology and community (UZB/LD/22)</li> </ul>	2017  2017  2017 2017 2017	
Home Science	UG - NIL  M.Sc FSM <ul style="list-style-type: none"> <li>Food Theory and Applications PMN/CO/16</li> <li>Entrepreneurship PFM/EL/01</li> <li>Functional Foods and</li> </ul>	6-3-2018 (for all the new courses)	

	<p>Nutraceuticals PMN/EL/07</p> <ul style="list-style-type: none"> <li>• Drug- Nutrient Interactions PMN/EL/09</li> <li>• Sports and Exercise Nutrition PMN/EL/08</li> <li>• Basics in Guidance and Counseling PMN/EL/10</li> <li>• Scientific Writing PMN/SK/03</li> </ul> <p>M.Sc FSN</p> <ul style="list-style-type: none"> <li>• Food Theory and Applications PMN/CO/16</li> <li>• Functional Foods and Nutraceuticals PMN/EL/07</li> <li>• Drug- Nutrient Interactions PMN/EL/09</li> <li>• Sports and Exercise Nutrition PMN/EL/08</li> <li>• Basics in Guidance and Counseling PMN/EL/10</li> <li>• Scientific Writing PMN/SK/03</li> <li>• Nutrition in Mental Health (Offered to MSc Psychology students) PMN/SK/03</li> </ul>		
Computer Science	Python Programming (UCS/SE/07)	2017 – 2018	
	Problem Solving using Python (UCS/SE/08)		
	Data Structures using Python (UCS/SE/09)		
B.Sc. Psychology	Introduction to sports	27 <sup>th</sup> June 2017	

M.Sc. Psychology	and exercise psychology Criminal and Forensic Psychology Introduction to Diagnostic Classification	27 <sup>th</sup> June 2017 27 <sup>th</sup> June 2017	
Tamil	ULT/TG/21 Tamil General Course Paper I ULT/TA/21 Tamil Advanced Course Paper I ULT/TG/22 Tamil General Course – Paper II ULT/TA/22 Tamil advanced Course Paper II ULT/TG/23 Tamil General Course Paper III ULT/TA/23 Tamil Advanced Course Paper III ULT/TG/24 Tamil General Course Paper IV ULT/TA/24 Tamil Advanced Course Paper IV ULT/SK/05 Job Oriented Tamil ULT/SK/06 Tourism – Tamil ULT/NM/15 Beginners Tamil – Paper I ULT/NM/16 Beginners Tamil – Paper II ULT/NM/17 Basic Tamil –Paper I ULT/NM/18 Basic Tamil –Paper II ULT/NM/19 Advanced Tamil – Paper I ULT/NM/20 Advanced Tamil – Paper II	27.3.2018	
B.Com	Re-Inventing Leadership For E-Economy - UCM/CD/05	2017 batch onwards	

	Financial Accounting - UCO/CO/03	2018 batch onwards	
	Quantitative Analysis for Business Decisions - UCO/SU/01		
B.Com GEN B	Indirect Tax UCM/CO/118	2016	
	International Economics UCM/CO/113	2016	
	Principles of HRM UCM/SU/13	2016	
	Healthcare Management UCM/CO/02	2016	
	Civic responsibility and nation building UCM/CO/03	2016	
	Disaster Management UCM/CO/01	2016	
	Women Studies UCM/CO/04	2016	
	Elements of Auditing UCM/CE/28	2017	
	Micro Finance UCM/CE/05	2017	
	Introduction to NCC UCM/NM/07	2017 2017	
	Self-Leadership UCM/SK/03		
	Reinventing Leadership for Economy UCM/CD/05	2017	
B.Com CA	Introduction to Java UCM/CE/29	13th June, 2017	
	Re-Inventing Leadership for E-Economy UCM/CD/05		
B.COM (A & F)	Fundamentals of Corporate Accounting - UCM/CO/123	2017-18	
M.Phil. Computer Science	Programme	2017	
	Design and Analysis of Algorithms UCT/CO/48	09-06-17	
	Global Positioning System PCT/EL/05	09-06-17	

	Theory of Computation PCT/EL/06	09-06-17	
	Internet of Things PCT/EL/09	09-06-17	
	Python for Data Science PCT/CO/37	09-06-17	
	Python Programming Lab PCT/CO/38	09-06-17	
BSc IT	Trends in Computing UIT/CE/10	09.06.2017	
	Online Course UIT/OL/01	09.06.2017	
MSc IT	Online Course PIT/OL/01	09.06.2017	
	Cyber Security and Digital Payments PIT/SK/06	09.06.2017	
B.Sc. Visual Communication	Visual Art UVC/SU/07M	2018	
	Film Studies UVC/CO/33	2018	
	Post Production Techniques UVC/CO/35	2018	
M.Sc Chemistry	Inorganic Chemistry Practical-II	2017	
	Organic Chemistry Practical-II	2017	
M.Sc. Physics	Astronomy and Astrophysics - PPH/EL/06		
	Physics for competitive exam (Self Study) - PPH/SS/11(for extra credit)		
M.A. Communication	Social Media Dynamics(PMC/CE/17)	2017	
MAHRM	Human Resource Information System PHR/CE/08	2013-2014	
	Dynamics of Personal and Managerial Effectiveness	2013-2014	
	Corporate Social Responsibility	2016-2017	

M.A. English	British Literature: Medieval to Renaissance	June 2018	
	British Literature: Romantic to Victorian	June 2018	
	British Literature: Modern to the Contemporary	June 2018	
	Indian Literature: From Classical to the Early Modern Era	Nov 2018	
	Contemporary Indian Literature	Nov 2018	

**1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the College level during the Academic year.**

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
			Elective Courses Newly offered under CBCS		
B.A	History				
B.Sc. Advanced Zoology and Biotechnology			Semester V – Biophysics & Biostatistics UZB/CE/02 OR Semester V – Economic Zoology UZB/CE/08  Semester VI – Biology of Man UZB/CE/06 (Mandatory)  Semester VI – Animal Behaviour UZB/CE/09 OR Semester VI – Field Zoology UZB/CE/04		
Home Science UG and PG			2004		
	B.Sc.	M.Sc.		2004	2004
B.Com	UG	-	2008 batch onwards	UG	
BBA	100%				
BCA					
Fuzzy Logic	Y		2014		
Information Security	Y		2014		



Big Data Analytics	Y		2014		
Basics of Cloud Computing	Y		2014		
B.Sc. Visual Communication	1		2012		
M.Sc CST (5 Year Integrated Course)			2008		
M.Phil Computer Science			2017		
BSc IT	UG		2016		
MSc IT		PG	2008		
	-	Biotec hnolog y	June 2009	-	Biotec hnolog y
M.Sc Chemistry	-	✓			
PG Mathematics		YES	2009		YES
M.Sc Physics		PG			
All Programs are under the CBCS since 2008					

### 1.3 Curriculum Enrichment

#### 1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
B.A. History		
Home Economics - UHS/NM/03	5/3/15	24
Entrepreneurial Skills – UHS/SK/ 06	5/3/15	26
e- Application in Business – UHS/SK/07	1/6/17	34
Microfinance – UHS/NM/04	1/6/17	21
B.Sc. Mathematics		
UMA/NM/05-Statistics using R	June 2015	11
UMA/NM/03 -Linear Programming	June 2009	10
UMA/SK/03-Quantitative and Logical Reasoning	June 2013	53
UMA/SK/06 -Logical Reasoning and Information Security	June 2015	53
UMA/LD/01-An Introduction to Chaos, Fractals and Game Theory	June2017	3
UMA/SS/01-Formal Languages and Automata	June 2014	1
UMA/EL/11-Service Learning	June 2012	15
UMA/NM/04- Popular Astronomy	June 2009	27
Certificate Course – Quantitative Aptitude	June2006	49
UMA/EL/12-Project	June2016	3

B.Sc. Physics		20
1. Workshop Technology (UPH/NM/01)		24
2. Enhancing Personality (UID/SK/01)		24
3. Computing Skills in Physics (UPH/SK/02)		
B.Sc. Chemistry		
Dyeing and printing of Textiles UCH/NM/01	2012	30
Cosmetics & Personal Grooming UCH/NM/03	2012	30
Computer Applications in Chemistry UCH/SK/03	2012	43
Project UCH/EL/09	2014	21
B.Sc.PBPB		
Medical Microbiology (UPB/CE/28)	June 2015	
Medicinal Plants and Ethnobotany (UPB/CE/25)	June 2015	
Vegetable gardening (UPB /NM/ 01)	June 2009	
Mushroom cultivation (UPB/NM/03)	June 2017	
Enhancing Personality (UID/SK/01)	June 2010	
B.Sc. AZBT		
Enhancing Personality (UID/SK/01)	Prior to 2010	22
Aquarium keeping UZB/NM/07	2010	25
Basics of Bioinformatics (UZB/NM/08)	2017	12
IT tools for Biologists and Bioinformatics UZB/SK/03	2012	39
Bioinformatics and Nutrigenomics UZB/EL/02	2013	17
B.Sc. Computer Science		
App Development using MIT App Inventor	3 <sup>rd</sup> July 2017 - 26 <sup>th</sup> July 2017	19
Data Analysis using Python	4 <sup>th</sup> Dec 2017 - 15 <sup>th</sup> Dec 2017	23
B.Sc. Psychology		
Introduction to Cyberpsychology (UPS/SK/03)	8 <sup>th</sup> April 2013	54
Relationship building skills (UPS/NM/01)	7 <sup>th</sup> March 2009	20
Enhancing Personality (UID SK/01)	7 <sup>th</sup> March 2009	25
Life Skills for Personal Growth (PPS/EL/02)	14 <sup>th</sup> February'05	26
Dyslexia (Certificate course)	2011	30
Languages		
ULH/SK/05 Hindi Pravesh (Introductory course)	2015	Details pending from office - Satvat
ULH/SK/06 Sambhashaniya hindi (conversational)	2015	
ULH/NM/06 Prathamik hindi	2015	
ULH/NM/07 Paryatan hindi (tourism)	2015	
ULF/SK/05 French for DELF A1	2012	
ULF/SK/01 Cours Elementaire	2012	

ULF/NM/02 Francais pour debutants	2012	
Tamil		
Job Oriented Tamil ULT/SK/02	29.2. 2012	33
Tourism ULT/SK/03	29.2. 2012	25
Journalism with Tamil Computing ULT/SK/04	2. 3. 2016	25
B.Com		
Fundamentals of Capital Markets – NSE Certification	2015	65+144+29 = 238
Investment Advisor	2016	65
Business Accounting Process	2017	71
Securities Operations & Risk Management	2017	130+49 = 179
Mutual Funds	2017	60
B.Com Gen B		
certificate course in accounting	2015	112
B.Com Hon		
Internship Training and e-learning EDP (by NIESBUD)	05.12.2016	40
Business Accounting Process-Accounts Payable & Receivable	August, 2017	38
B.Com CA		
Diploma In Computerized Accounting	Business Data Processing- DCA/CO/08 Data analysis ans Decision Making- DCA/CO/09 Tally- DCA/CO/10	2009
B.Com A& F		
Tourism - UCM/NM/04	2011-12	
Tally- UCM/SK/01	2008-09	
Self-Leadership - UCM/SK/03	2017-18	
BCA		
Fundamentals of DBMS	2013	
PC Software and Basic Computer Operations	2012	
Enhancing Personality	2012	48
Numerical Aptitude and Reasoning	2014	48
Organizational Behavior	2012	49
PG Scientific Writing PMN/SK/03	6.3.17	46
M.Sc. CST		
Service Learning Program(UCT/SL/01)	2011	3 (2017-2018)
Self-Study Paper(PCT/CO/19)	2012	13(2017-2018)

IT Service Learning	02.02.2012	11
PG Biotechnology Skilled based Courses	From 2009	Every year the allotted number is filled in.
M.Sc. Chemistry		
Computers in Chemistry	2017	26
PG Mat		
1. Quantitative Aptitude and Logical Reasoning	2010	40
2. Mathematical Finance	2010	Not offered
3. Networks Games and Decision	2009	12
4. Basic Discrete Mathematics	2011	12
5. Mathematical Soft Computing	2014	15
PG Phy		
Workshop Practice (SKB)	2011	17
Physics for competitive exam (Self Study) – for extra credit	2017	1
M.A. Communication		
1. Communication skills (PMC/SK/05)	2009	100+
2. Project (PMC/CO/21)	2012	18
3. Summer internship (PMC/CO/26)	2009	18
4. Internship-II (PMC/CO/13)	1997	18
M.A. HRM		
Research Methodology PHR/NM/02	2009	26
Personality Development PHR/SK/04	2009	31
Business Communication PHR/SK/09	2007	53
Psychology of Personal Development PHR/NM/03	2017	Offered in 2 <sup>nd</sup> Semester
Project Management PHR/SK/03	2009	Offered in 4 <sup>th</sup> Semester
M.A. English		
Eco-Literature	June 2018	(To be offered in Nov 2019)
Gender Studies	June 2018	(To be offered in June 2019)
Introduction to Women's Studies	June 2018	(To be offered in Nov 2018)
<b>1.3.2 Field Projects / Internships undertaken during the year</b>		
<b>Project/Programme Title</b>	<b>No. of students enrolled for Field Projects / Internships</b>	
B.A. History Museum Conservation Technique	34 (Internships)	
B.A. English		
English Language Research – Teaching	2	

Programme of Karadi Path An Education Company	
Madras Players (Theatre Production Company)	7
B.Sc. Mathematics	
Service Learning	15
B.SC. Physics	
1. Exposure to Different measuring Instruments at CSIR- CSIO, Chennai Centre	2
2. Detection of Ions using a TOF Mass Spectrometer at Indian Institute of Technology, Madras	1
3. Solar Cells (Silicon Hetero junction Solar Cells) at Indian Institute of Technology, Madras	1
4. Synthesis of TiO <sub>2</sub> Nanotubes at Indian Institute of Technology, Madras	1
5. Documentation of Demonstration Projects for High Schools at Floranix Pvt. Ltd. Adyar Chennai	2
6. Automatic Low Powered Emergency Light at Floranix Pvt. Ltd. Adyar, Chennai	3
7. Infrared Security Alarm at Floranix Pvt. Ltd. Adyar Chennai	2
8. Automatic Night Lamp with Morning Alarm at Floranix Pvt. Ltd. Adyar Chennai	
9. Automatic Water Level Indicator at Floranix Pvt. Ltd. Adyar Chennai	1
10. The Basics of Physics in Meteorology at India Meteorological Department, Regional Meteorological Centre, Chennai, Ministry of Earth Science, Government of India.	2
<b>Total</b>	<b>16</b>
B.Sc. Chemistry Internship	7
PBPB On the Job Training (Summer 2018)	
1 Sugarcane breeding Inst., Coimbatore	Amirthavarshini R 18
2 National Research Centre on Plant	Preeti K

3	Biotechnology(NRCPB)- Indian Agriculture Research Institute,( IARI) Delhi Indian Council for Agricultural Research (ICAR), Krishi Vigyan Kendra, Kerala	Elsa Ann Varghese
4	Grassroots Syndicate Producers Co. Ltd Imphal Manipur	Mahung Khuiya Shimray Ngachanwon
5	Biolims, Ayanavaram, Chennai	Chandra Sukhi Angel
6	Biolims, Ayanavaram, Chennai	Kiruthika S
7	Jayam Hospital, Chennai	Srilekha GM
8	Care Earth Trust	Angelin Felicia E
9	Care Earth Trust	Bashpa V
10	Care Earth Trust	Haridhra TS
11	Care Earth Trust	Kreedika R
12	Care Earth Trust	A Lakshmi Priya
13	Aarthi Labs and scans, Tirunelveli	Abinaya Rosi R
14	CAS in Botany, University of Madras	Keerthana R
15	CAS in Botany, University of Madras	Kowsalya A
16	CAS in Botany, University of Madras	Pooja R
17	CAS in Botany, University of Madras	Porkodi GP
18	Centre for Sericulture Research	Gowrie R M
UG & PG Home Science Internship		46
B.Sc. Computer Science On the Job Training (during summer vacation)		48
Psychology		
Project (B.Sc.)		9
Summer Placement (M.Sc.)		26
Psychological Intervention in Educational Settings (M.Sc.)		19
Internship (M.Sc.)		26
Project in Organisations (M.Sc.)		7
Community psychology (M.Sc.)		23
Project (M.Phil.)		3
B.Com.		
Project UCM/CE/01		7
On the job training/UCM/OJ/01		6

On the job training/UCM/OJ/02	15
B.Com Gen B	
Field Project	2
Internship	33
B.Com Hon	
Internship -UCM/OJ/02 For II B.Com(H) For III B.Com(H)	40 38
B.Com CA	
On the Job Training UCM/OJ/04	14
UCM/OJ/03	6
B.Com A&F	
Projects	12
Internships	34
BBA	
On the job - I (UBB/OJ/01)	79
On the Job-II (UBB/OJ/02)	67
Project (UBB/PJ/01)	68
Viscom	
Internship-I	45
Internship-II	45
CST	
Project Work and Viva Voce - PCT/CO/16	13
Internship- PCT/CO/11	13
B.Sc IT - Internship	42
M.Sc IT - Internship	26
M.Sc IT -Project Work	22
PG Biotech	
1. Biocon India, Bangalore 2. Dr.Reddy's lab, Hyderabad 3. Jubli Biotech, Bangalore 4. Indian Institute of science, Bangalore 5. IIT, Madras 6. CLRI Chennai 7. Shankara Nethralaya Chennai 8. TANUVAS, Chennai 9. Hi-Tech labs Chennai 10. MV Diabetic Hospitals Chennai 11. Apollo Hospitals Chennai 12. Murugappa Institute of Sciences Students who are selected undertake their Internship in the respective Institutes.	12
M.Sc. Chemistry	
Internship	26

Dissertation	26
PG Mat	
1. Project Dissertation an Viva-voce(PMA/CO/15)	28
2. Internship(PMA/CO/09)	38
PG Phy	
Internship	25
Dissertation and Viva Voce	25
M.A. Communication	
1. Summer internship (PMC/CO/26) 2. Internship-II (PMC/CO/13)	18
M.A. HRM Internship	76
M.A. English Internship	35

#### 1.4 Feedback System

##### 1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	No	Yes	Yes

##### 1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback is obtained from all major stakeholders of the college namely students, parents, alumnae, academic peers, industry experts and potential employers.

There is a structured feedback form and a formal mechanism for collecting feedback from students, parents and alumna. Student give feedback on the course and teacher conducting the course at the end of every semester. This feedback is collected online for every student and every course. The data is collated and presented to the Department and faculty for discussion, corrective action/improvements if required. A copy of the feedback for every semester is also kept at the Library. Student representatives on the Boards of studies of Departments and the academic council also collect and present feedback from their peers. Changes in curriculum, introduction of new courses value added courses and internships have been made based on feedback from students.

Feedback on the college is obtained from all parents during open day in January every year. This data is compiled analysed and presented to the Departments and management for action where necessary. Feedback on the curriculum was collected from ten percent of parents representing all students for the first time in January this year. This was compiled analysed and presented to the Departments and Management. Strategies to enhance employability skills and campus recruitments are being considered as a basis of this



feedback.

Feedback is collected online in a structured format from alumna who come for graduation day. This feedback, as well as feedback from alumna on the Department boards of studies and alumnae returning to college is compiled and used for planning curriculum and internships. Several need based courses, add on certificate courses, internships etc. have been introduced based on feedback from alumna.

Academic peers who are representatives on the boards of studies, academic audit panel and examiners and subject experts have given valuable feedback that has resulted in positive changes in the curriculum and evaluation pattern. Some Departments have had their curriculum whetted by subject experts in reputed universities and used this feedback during revision of curriculum.

Industry experts on the boards of studies, IQAC committee, management board and academic council give valuable inputs and suggestions that have resulted in introduction of new courses, internships and soft skill training for employability. Potential employers coming for campus recruitments have also provided valuable inputs that have led to offering value addition through online certification courses and training in soft skills and interview skill through the career guidance cell.

The feedback taken from students and other stakeholders is presented at the Governing Body and is also given to the departments. Based on the inputs new courses are introduced and measures are taken to rectify problems if any. Remedial Coaching and Advanced courses for different types of learners are introduced. New teaching learning methods are implemented and evaluation patterns are constantly revised. Value added courses and skill development is focussed upon to make students employable.

## CRITERION II -TEACHING-LEARNING AND EVALUATION

### 2.1 Student Enrolment and Profile

#### 2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
<b>Shift I</b>			
B.A. History	70	199	79-11*=68
B.A. English	70	1475	74-8*=66
B.Sc. Mathematics	70	1480	76-14*=62
B.Sc. Physics	50	1030	62-18*=44
B.Sc. Chemistry	50	729	55-14*=41
B.Sc. Plant Biology & Plant Biotech.	50	402	55-8*=47
B.Sc. Advanced Zoology & Biotech.	50	804	51-14*=37
B.Sc. Home Science – Nut,	50	211	55-4*=51

Food Service Mgmt. & Diet. (VTC)			
B.Sc. Home Science – Nut, Food Service Mgmt. & Diet.	50	636	53-4*=49
B.Sc. Computer Science	50	1208	54-4*=50
B.Sc. Psychology	50	1108	60-10*=50
M.Sc. Applied Psychology	26	144	26-2*=24
M.Sc. Home Science – Food Service Mgmt. & Dietetics	26	99	27-5*=22
M.Sc. Home Science – Foods & Nutrition	26	162	27-2*=25
M.Phil. Applied Psychology	6	16	4-1=3
M.Phil. Home Science – Food Service Mgmt. & Dietetics	3	1	1
M.Phil. Home Science – Foods & Nutrition	3	1	0
<b>Shift II</b>			
B.Com	70+10\$	1406	80+1#
B.Com (General)	70+10\$	1405	80
B.Com (A& F)	70	1164	70-1*=69
B.Com (CA)	70	284	70
B.Com (Honours)	40	426	40
BBA	70+10\$	832	80-1*=79
BCA	50	729	50-1*=49
B.A. Corporate Economics	70	306	69-1*=68
B.Sc. Visual Communication	50	331	49
B.Sc. Information Technology	50	184	50
M.Sc. Computer Science & Tech.	26	117	26-1*=25
M.A. Communication	20	54	19
M.A. HRM	40	197	39-1*=38
M.A. English	40	280	40-3*=37
M.Sc. Mathematics	40	213	40-2*=38
M.Sc. Physics	26	155	26-1*=25
M.Sc. Chemistry	26	132	26
M.Sc. Biotechnology	26	86	26-2*=25
M.Sc. IT	26	100	26
\$Additional Seats			
* Left after Admission			
# Free Education			

<b>2.2 Catering to Student Diversity</b>					
<b>2.2.1. Student - Full time teacher ratio (current year data)</b>					
<b>Year</b>	<b>Number of students enrolled in the institution (UG)</b>	<b>Number of students enrolled in the institution (PG)</b>	<b>Number of full time teachers available in the institution teaching only UG courses</b>	<b>Number of full time teachers available in the institution teaching only PG courses</b>	<b>Number of teachers teaching both UG and PG courses</b>
2017	1339	322	143	38	179
<b>2.3 Teaching - Learning Process</b>					
<b>2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)</b>					
<b>Number of teachers on roll</b>	<b>Number of teachers using ICT (LMS, e-Resources)</b>	<b>ICT tools and resources available</b>	<b>Number of ICT enabled classrooms</b>	<b>Number of smart classrooms</b>	<b>E-resources and techniques used</b>
History					
5	5	3	2	-	Yes
English					
9	9	MI Board, Projectors, Internet, Speakers, Language Labs (2)	2	0	iLotus, Issues in English (Language Learning Software)
Mathematics					
5	5				LCD projector, Laptop, Web references for each course
B.SC. Physics					
6	6	Networked Computers, laptops, LCD projectors	2 (using portable projector & laptop only)	-	Physics related websites, NPTEL Lectures PPT, YouTube Videos.
B.Sc. Chemistry					
8	8	Projectors, Internet to	4	0	Power point presentations –

		access e-resources, Offline resources- educational CDs			online and offline Online videos, nptel lectures, Software for EVS etc
PBB					
7	7	Projectors SPSS RASMOL Internet and Intranet	1	0	PPT MOOC - Module NPTEL YouTube- Videos MultiMedia
B.Sc. AZBT					
07	07	Laptop Computer Projectors Printers	2	-	Youtube videos, power point presentations
Home Science					
14	10	LCD projector, laptop, overhead projector	2		
CSC					
5	5	Lecture Presentations and videos, Webinars	2	1	NPTEL Videos, Spoken Tutorial Videos,
Psychology					
10 (8 full-time and 2 part-time)	10	LCD projector	All classrooms are ICT enabled	1	Portals like ebscohost, questia and inflienet are utilized by faculty and students for accessing journals for teaching, learning and research
Languages					
4	2/4	Language Laboratory, LCD Projectors, Laptops	2	2	Weblinks, podcasts, online exercises and tests, audio and video clippings with exercises

Tamil					
5	5	Internet, connection, Laptop 1, computers 3, Printer 3, Smart Class room 2	2	2	Yes
B.Com,					
5	5	Laptop, Projector	1	-	MOOC component
B.Com Gen B					
5	5	Laptop, Projector	1	1	Audio visuals, power point presentations
B.Com Hon					
5	5	Laptop & Projector	Nil	Nil	Subject related online videos & MOOC
B.Com CA					
6	6	Laptop and LCD Projector in Lab	RMS - Commerce Lab	NIL	Online tutorials for computer papers and Web resources are listed in the syllabus for all courses
B.Com A&F					
5	5	5	NIL	NIL	The departments organize variety of teaching and learning activities with audio visual aids and ICT gadgets which facilitate conducive environment for active and participatory learning. Online sites and self-made Powerpoint Presentations.

					<p>The digital library with INFLIBNET is a great resource repository that caters to the requirements of teachers.</p> <ul style="list-style-type: none"> <li>• Information communication and technology are used along with lecture method</li> <li>• Online databases and domain specific e-resources are used by course teachers to be aware of latest trends and also to facilitate students to go beyond the prescribed curriculum.</li> <li>• Practical demonstration of online transactions.</li> <li>• Use of video clippings for personality development course.</li> </ul>
Corp. Eco					
4	4	Projector, laptop	-	-	Tutorials (including video tutorials) and worksheets available for respective papers are used. Online resources are used to prepare materials for class

					lectures.
BBA					
5	5	Web links available for all the courses taught	3	0	MOOC Module incorporated in Management Theory & Practice
BCA					
6	6	6			
Viscom					
5	5	Laptop, LCD Projector	NIL	NIL	Online uploading of student's projects, online data collection.
CST					
8	8	Laptop & Projector	2	-	Web References for the courses handled, one assignment in MOOC/NPTEL
IT					
9	9	Smart IT Lab NPTEL Courses and Spoken Tutorials	1	1	NPTEL Courses and Spoken Tutorials
PG Biotech					
5	5	LCD Projector	1	-	MOOC component introduced to all Core Papers
M.Sc. Chemistry					
4	100%	Laptop Projector	2	NIL	Video Lectures, Virtual Laboratory, Power point Presentation Origin 8, chem draw, chem sketch software
PG Mat					
4	4	Yes- Projector and Screen	1 SB Room No: 43	NIL	Weblinks to e-resources provided for each course
PG Phy					
5	5	Projector	1	-	
M.A. HRM					
4	4	2	2	Nil	MOOC Module-

					Online
M.A. English					
10	10	1 projector 1 laptop	-	-	Videos, Power point presentations
Languages					
3	3	-	-	-	Websites for references and youtube videos
Other Conference / Seminar Halls			4		

**2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)**

The advisor advisee system is a unique practice of the college that has been successfully practiced for several decades wherein every student is assigned a faculty mentor to facilitate her personal growth and academic progress. A faculty mentor is assigned 15 to 25 students to provide support and advice and monitor the progress of the student, facilitating her holistic development. Faculty mentors monitor the academic performance of students and offer suggestions for improvement. They also record regularity of students, their participation in curricular, co-curricular and extracurricular activities, disciplinary issues if any and also recommend students for management scholarships, leadership roles, representation in committees etc.

This practice has received positive feedback from past students who felt faculty mentoring helped students utilise the facilities and programs on campus better and also facilitated holistic development.

<b>Number of students enrolled in the institution</b>	<b>Number of fulltime teachers</b>	<b>Mentor: Mentee Ratio</b>
4116	181	1:23

**2.4 Teacher Profile and Quality**

**2.4.1 Number of full time teachers appointed during the year**

<b>No. of sanctioned positions*</b>	<b>No. of filled positions</b>	<b>Vacant positions*</b>	<b>Positions filled during the current year</b>	<b>No. of faculty with Ph.D</b>
76	181	11**	2	79

\* Govt Sanctioned & Vacant Posts of Shift I

\*\* filled by management faculty



**2.4.2 Honours and recognitions received by teachers  
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )**

<b>Year of award</b>	<b>Name of full time teachers receiving awards from state level, national level, international level</b>	<b>Designation</b>	<b>Name of the award, fellowship, received from Government or recognized bodies</b>
8th & 9th September, 2017	Dr. Lilian I Jasper	Principal	Presented a paper titled "On campus culture & other learning activities" at the conference on "Whole Person Education as a Way Forward: Challenges and Prospects for Asia" held at Hong Kong
18th December 2017	Dr. Helen Thimmayya	Associate Professor, Department of English	Awarded Doctorate degree for the thesis titled 'Media Text and Audience Impact: The relationship between the visual grammar of the tamil film text and violence against women' University of Madras.
18th December 2017	Dr. M. Kanchana	Associate Professor, Department of Psychology	Awarded Doctorate degree for the thesis titled 'Validation of Study Skills Questionnaire and Study Skills and Academic Achievement of High School Students', Dravidian University
23rd July 2017	Dr. Jeyasanthi J,	Associate Professor, Department of Tamil	Awarded the 'Bharathi Thamizh Selvar Award' by the Thiruvaiyaru Tamizhaiyah Kalvi Kazham for the best article
April 3 – 27th, 2018	Dr. Sherrie Jesulyn David,	Assistant Professor, Department of Plant Biology & Plant Biotechnology	Attended the Advanced Leadership Seminar organized by the Haggai International Institute, Maui, Hawaii
May 7th – 25th, 2018	Ms. Christina Nancy,	Assistant Professor, Department of Physics	Attended the Annual Peace Building Training at Mindanao

			Peace Building Institute (MPI) Davao City, Philippines
12th -13th Dec 2017			Received the best poster award at the National Conference on Advanced Materials (NCAM 2017) in PSG College of Technology
May 24, 2018	Dr Jagadeeswari M,	Assistant Professor, Department of Tamil	Given the 'Honourary Award' for the best debate by the Kirubaiyinkaram Tamil Magazine
May 30th, 2018	Dr. Savithri V,	Assistant Professor, PG & Research Department of Computer Science	Awarded the 'Teaching and Research Excellence National Award' for the outstanding excellence and remarkable achievements in the field of Teaching, Research & Publications
3rd June 2017	Ms. K. Hema Shankari,	Assistant Professor, Department of Computer Applications	received the 'Best Educationist Award' by International Institute of Education & Management, New Delhi
14th October 2017			Best Young Researcher Award by IRDP group of Journals, Chennai
October 3 – 27th, 2017	Ms. N Elizabeth,	Associate Professor, Department of Commerce	Attended the Advanced Leadership Training program organized by the Haggai International Institute at Maui, Hawaii.
	Dr. Sheba Sangeetha Jeyaraj	Assistant Professor, Department of Home Science	Received the Best Rotaract Faculty Co-ordinator Award for the year 2014- 2017 from the Rotary International District 3232
20th February 2018	Dr. W. Lily Margaret Priya,	Assistant Professor, Department of Chemistry	Awarded Doctorate degree for the thesis titled "Synthesis and Characterization of PVDF-HFP and Zinc Triflate based nanocomposite polymer

			electrolytes with Fe <sub>2</sub> O <sub>3</sub> , SnO <sub>2</sub> and MgO nanofillers” university of madras
28th February 2018	Dr. A Zarina	Assistant Professor, Department of Psychology	Awarded Doctorate degree for the thesis titled 'Resilience building to enhance academic performance among women college students', Bharathiar University
8th September 2017	Dr. Shajini Judith Diana	Assistant Professor, Department of Home Science	Awarded Doctorate degree for the thesis titled 'Risk of metabolic syndrome in law enforcement personnel and the effect of diet and exercise intervention on their anthropometric measurements, biochemical parameters and blood pressure levels', University of Madras.
6th September 2017	Dr. Sona S,	Assistant Professor, Department of Home Science	Awarded Doctorate degree for the thesis titled 'Dietary Habits of information technology professionals, Effect of nutrition counselling on their anthropometric, biochemical and blood pressure parameters', University of Madras
22nd February 2018	Dr. Benitha Golda	Assistant Professor, Department of Advanced Zoology & Biotechnology	Awarded Doctorate degree for the thesis titled 'Studies on Water Quality and Plankton Diversity in River Kodayar', Manonmaniam Sundaranar University
6 <sup>th</sup> December 2017	Dr. Linet Christilda Gnanalily	Associate Professor, Department of Commerce	Awarded Doctorate degree for the thesis titled 'A Study on the customer satisfaction and preference towards electronic payments and clearing system in Chennai city', University of Madras
	Dr. Kalpana Naidu	Assistant Professor,	Awarded Doctorate degree for

		Department of Commerce, (A&F)	the thesis titled 'Policy holder's perception towards public and private sector life insurance products – A comparative study in Chennai district',
15th July 2017	Dr M Arul Jeya Shalini.	Assistant Professor, PG Department of Mathematics	Awarded Doctorate degree for the thesis titled 'Embedding Problems on Certain Networks' , University of Madras
15th July 2017.	Dr A Sajiya Merlin Mahizl	Assistant Professor, PG Department of Mathematics	Awarded Doctorate degree for the thesis titled ' Domination Parameter in Certain Networks and Chemical Graphs', University of Madras
	Dr Esther Leena Preethi	Assistant Professor, Department of Chemistry	VIWA 2018 Outstanding Women in Science Award
2018	Dr. Preeti Mehta & Ms. Carolin Golda	Assistant Professor, Department of Plant Biology & Plant Biotechnology Assistant Professor, Department of Management Studies (HRM)	Received the 'Silent Guardian Award' for the Faculty Co-ordinator of Rotaract Club of Women's Christian College

## 2.5 Evaluation Process and Reforms

### 2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
BA, BSc, B Com, MA. MSc		November 2017 & April 2018	November 6, 2017 April 12, 2018	November 24, 2017 April 27, 2018

**2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year**

**\*Do not include re-evaluation / re-totalling**

<b>Number of complaints or grievances about evaluation</b>	<b>Total number of students appeared in the examination</b>	<b>Percentage</b>
November 2017- Nil	4064	0%
April 2018 - Nil	4030	0 %

**2.6 Student Performance and Learning Outcomes**

**2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)**

<https://wcc.edu.in/wp-content/uploads/2018/10/PROGRAM-OUTCOMES.pdf>

Program outcomes have been developed for all undergraduate, postgraduate and M.Phil programs offered on campus. Programme specific outcomes and course outcomes have been drafted for all degree programs offered by the institution. Each student enrolling in the college will receive a course booklet which will provide these details. Students are also oriented to the course outcomes at the beginning of the course when they receive the syllabus.

**2.6.2 Pass percentage of students**

<b>Progr amme Code</b>	<b>Programme name</b>	<b>Number of students appeared in the final year examination</b>	<b>Number of students passed in final semester/ year examination</b>	<b>Pass Percentag e</b>
B.A	History	34	29	85
	English	54	52	96
B.Sc.	Mathematics	53	50	94
	Physics	47	47	100
	Chemistry	39	37	95
	Plant Bio. & Plant Biotech.	45	45	100
	Adv. Zoology & Biotech.	45	44	98
	Home Science – Nut, FSM & D (VTC)	22	21	96
	Home Science – Nut, FSM & D	39	39	100
	Computer Science	51	50	98
	Psychology	54	52	96
M.Sc.	Home Science - Food Service Mgmt & Dietetics	10	10	100
	Home Science - Foods & Nutrition	19	18	95
	Applied Psychology	26	24	92
B.Com.	B.Com (General) – Sec A	73	70	96

	B.Com (General) – Sec B	72	69	96
	B.Com (Accounting & Finance)	64	64	100
	B.Com (Computer Applications)	72	67	93
	B.Com (Honours)	40	40	100
BBA	B.B.A.	67	59	88
B.A.	Corporate Economics	62	54	87
B.Sc.	Visual Communication	46	44	96
BCA	B.C.A.	53	53	100
M.Sc.	Information Technology	20	17	85
	Physics	24	24	88
	Biotechnology	22	20	91
	Chemistry	26	23	88
	Mathematics	28	27	96
	Computer Science & Technology	13	13	100
M.A	Human Resource Management	38	36	95
	Communication	17	16	94
	English	30	29	97
	Diploma in Computerised Accounting	12	11	92

## 2.7 Student Satisfaction Survey

### 2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

Details provided as weblink

<https://wcc.edu.in/wp-content/uploads/2018/10/Feedback-from-Graduates-2017.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 Promotion of Research and Facilities

#### 3.1.1 The institution provides seed money to its teachers for research,

A seed grant of Rs.one lakh is allotted to faculty undertaking research (Instituted in January 2018)

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Dr.Cynthia Jemima Swarnavalli	Rs.25,000	January 2018	April 2018 to March 2019
Dr.V.Narmadha and Dr.Jessila Malarvizhi	Rs. 50,000	January 2018	April 2018 to March 2019
Dr.Judia Harriet Sumathy	Rs.20,000	January 2018	April 2018 to March 2019

**3.1.2 Teachers awarded National / International fellowship for advanced studies / research during the year**

	<b>Name of the teacher awarded the fellowship</b>	<b>Name of the Award</b>	<b>Date of Award</b>	<b>Awarding Agency</b>
National	Dr.Ranjini Christopher	AIACHE fellowship for developing China studies in Higher Education	January 2018	AIACHE
International	Dr.Christina Nancy	Fellowship to attend MPI 2018 Annual peace building training at the Philippines	May 2018	UBCHEA
International	Dr.Sherrie David	Haggai Institute Fellowship for attending Advanced Leadership training at USA	October 2017	Haggai Institute
International	Dr.Elizabeth	Haggai Institute Fellowship for attending Advanced Leadership training at USA	October 2017	Haggai Institute
National	Dr.Ranjini Christopher	AIACHE fellowship for developing China studies in Higher Education	January 2018	AIACHE
International	Dr.Christina Nancy	Fellowship to attend MPI 2018 Annual peace building training at the Philippines	May 2018	UBCHEA
International	Dr.Sherrie David	Haggai Institute Fellowship for attending Advanced Leadership training at USA	October 2017	Haggai Institute

<b>3.2 Resource Mobilization for Research</b>				
<b>3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations</b>				
<b>Nature of the Project</b>	<b>Duration</b>	<b>Name of the funding Agency</b>	<b>Total grant sanctioned</b>	<b>Amount received during the year</b>
Major projects	Nil			
Minor Projects				
Chennai Kshetra KE Vidhyalon Mein iHindi Bhasha Ki Disha Aur Disha – Dr Priya Naidu	2 yrs	UGC	19,000/-	14,500/-
Role of Community Radio in Empowerment of Fisherwomen in Tamil Nadu – Ms Sharmila Christy	2 yrs	UGC	2,20,000/-	1,55,000/-
Promoting Healthy lifestyles among school children – Dr Gowri Ramesh	2 yrs	UGC	1,65,000/-	90,000/-
Matching Algorithmic approach to women related cancer – Ms Sharon Philomena V	2 yrs	UGC	5,00,000/-	3,37,500/-
A Heterogeneous approach to improve elevation accuracy in 3D map matching using GPS and other sensor devices – Ms Vijaya Samundeeswari	2 yrs	UGC	2,17,800/-	1,67,800/-
Development and standardization of an emotion regulation scale in the Indian Context – Ms Sarah Sruti Lall	2 yrs	UGC	1,45,000/-	1,07,500/-
Teaching French as a Foreign Language through Task Based Learning – Dr Ranjini Christopher	2 yrs	UGC	3,00,000/-	2,89,000/-
A study on household consumption of solar	2 yrs	UGC	1,50,000/-	1,02,500/-



energy in Chennai – Dr C Joy Sheryl				
Interdisciplinary Projects	Nil			
Industry sponsored Projects	Nil			
Projects sponsored by the University/ College	Nil			
Students Research Projects (other than compulsory by the College)	1 yr	Management	1,04,991/-	1,04,991/-
K Tryphena Priyadarashini – II M.Sc. FSM	1 yr	CNCREA – Department of Home Science	5000/-	5000/-
K Pooja – II M.Sc. FSN	1 yr			5000/-
J Jhansi – II M.Sc. FSN	1 yr		5000/-	
G Kalavani – II M.Sc. FSN	1 yr		3000/-	3000/-
Evangeline Faith Jenifer – II M.Sc. FSM	1 yr		3000/-	
International Projects	Nil			
Any other(Specify)	Nil			
Total			18,21,791	13,89,791/-

### 3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the year

A study on household consumption of solar energy in Chennai – Dr C Joy Sheryl, UGC, Rs. 1,50,000/-

Dr. Annie Kuriachan Social Action Projects for Gender Synergy (extended till June 2018)

USD: \$5000 Sponsoring Agency: UBCHEA)

B.Sc. Chemistry - Dr. G. Cynthia Jemima Swarnavalli ; Seed Grant – WCC (2018) Rs. 25,000

Dr Pauline R obtained a UBCHEA minor project for \$4500 (Rs 3,02,287). This was for preparation of an Illustrated Field Guide for Plant Diversity of WCC campus. The grant was from December 2016 to January 2018.

Promoting Healthy lifestyles among school children – Dr Gowri Ramesh, UGC, 1, 65, 000/-

Teaching French as a Foreign Language through Task Based Learning – Dr Ranjini Christopher, UGC, Rs. 3 lakhs

Chennai Kshetra KE Vidhyalon Mein iHindi Bhasha Ki Disha Aur Disha – Dr Priya Naidu, UGC – Rs. 19,000/-

Ms. Sharmila Christy S, is working for a UGC Minor project on “Role of Community Radio in Empowerment of Fisherwomen In Tamil Nadu”, with a total grand of Rs 2,20,000.

Ms Irvin Mary, Assistant Professor, received Granted Rs. 30,000 for a research project on the usage of solar energy among rural women, for educating the rural women for self-reliance, funded by Social Action Projects for Gender Synergy, Women’s Christian College, Chennai.

A Heterogeneous approach to improve elevation accuracy in 3D map matching using GPS and other sensor devices – Ms Vijaya Samundeeswari, UGC, Rs. 2,17,800/-

Matching Algorithmic approach to women related cancer – Ms Sharon Philomena V, UGC, RS. 5,00,000/-

### 3.3 Innovation Ecosystem

#### 3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Intellectual Property Rights	IQAC & Research Cell	27 <sup>th</sup> March 2018

#### 3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Teaching, Research & Publications Chapter on the book of Springer Transactions on Engineering Technologies: International Multi Conference of Engineers and Computer Scientists 2016	Ms. K. Hema Shankari,	IRDP group of Journals, Chennai	14/10/2017	Best Young Researcher Award
Bharathi Kaana Vizhaintha Samutham	Dr.J.Jeyasanthi	Thiruvaiyaru Tamizhaiyah Kalvi Kazham	23/07/2017	'Bharathi Thamizh Selvar' for best article
For the innovative	Dr. Sheba Sangeetha Jeyaraj	Rotary International	June 2017	Best Rotaract Faculty Co-ordinator Award for three consecutive

'Tangled' campaign for donating hair to make wigs for cancer survivors and other unique programs of the rotaract Club, WCC		District 3232.		years2014- 2017
World's longest scarf Crochet' by Mother India Crochet Queens team	Ms Preetha R	Guinness World Records	21/05/2017	Guinness World Records
Nutritious sandwich spread 'spredit'	Bharathi R Fathima Ridha, Arshia Shireen	Du Pont Industries Pvt.Ltd	30 <sup>th</sup> November 2017	DuPont Nutri Scholar award in the category of the "Most Nutritious Product" (Rs. 1.5 lakhs as prize money)
Essay 'Ilakiyathil Manithaney a Sinthanaigal'	Pavithra. R S, (II HST )	Kaviarasar Kalai Tamil Sangam	15 <sup>th</sup> August 2017	Ilakiya Sigaram Award
		Ilakiya Aruvi Award'	26 <sup>th</sup> January 2018	Kurinji Kabilar Tamil Sangam
	Keerthana R II English	"Palgalai Vithagar award"	August 2017	Ke "Agathiyar Mamunivar Kalai Ilakiya Panpaadu Aaivu Maiyam State level
<b>3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year : NIL</b>				
Incubation Centre	Name		Sponsored by	
Name of the Start-up	Nature of Start-up		Date of commencement	

<b>3.4 Research Publications and Awards</b>			
<b>3.4.1 Ph. D's awarded during the year</b>			
<b>Name of the Department</b>		<b>No. of Ph.d's Awarded</b>	
Home Science		1	
Faculty who were awarded			
English		1	
Psychology		2	
Chemistry		1	
AZBT		1	
Home Science		2	
Commerce		3	
PG Mathematics		2	
<b>3.4.2 Research Publications in the Journals notified on UGC website during the year</b>			
	<b>Department</b>	<b>No. of Publication</b>	<b>Average Impact Factor, if any</b>
International	Mathematics	2	
International	Chemistry	5	3.648
International	Computer Sc.	3	
National	Psychology	1	Research Gate-based Impact Factor - 0.35
International	Tamil	1	Impact Factor: 3.458 (CIF), 3.669(IRJIF) UGC Approved Journal (64089)
National	B.Com(Honours)	2	
International		1	1.14
National	B.COM CA	3	
International	B.COM CA	3	
International	BCA	4	
International	Visual Communication	1	
International	BBA	2	4.026
International	CST	7	4.0248
International	IT	06	14.93
International	Biotechnology	9	6.614
International	PG Chemistry	1	<b>3.269</b>
National	PG Maths	1	5.8
International	PG Maths	10	1.59
National	PG Physics	1	-
International		2	2.6665
International	MAHRM	1	1.14
National	Tamil	8	
International		1	

<b>3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year</b>						
<b>Department</b>		<b>No. of publication</b>				
English		1				
Mathematics		1				
Chemistry		5				
Plant Biology & Plant Biotechnology		4				
Home Science		5				
Psychology		1				
Tamil		11				
Languages		2				
Computer Science & Technology		1				
PG Mathematics		51				
PG Chemistry		1				
PG Physics		4				
PG Biotechnology		1				
Tamil		5				
Languages		1				
<b>3.4.4 Patents published /awarded during the year - NIL</b>						
Patent Details	Patent status Published / Filed	Patent Number	Date of Award			
<b>3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index</b>						
<b>Title of the paper</b>	<b>Name of the author</b>	<b>Title of the journal</b>	<b>Year of publication</b>	<b>Citation Index</b>	<b>Institutional affiliation as mentioned in the publication</b>	<b>Number of citations excluding self-citations</b>

Effect of solvent on the size and properties of polymeric nanoparticles of poly( $\epsilon$ -caprolactam)	G. Cynthia Jemima Swarnavalli, V. Kannappan, D. Roopsingh, V. Joseph	Journal of Molecular Liquids	2017	Chemical Citation Index	Women's Christian College	
Spectral and Ultrasonic Investigation of Hydrogen Bonded Complexes of Cyclohexanol and Aryl Ketones in DMSO Medium,	G Cynthia Jemima Swamavalli , V Kannappan, D Roopsingh , V Joseph	DJ Journal of Engineering Chemistry and Fuel	2018		Women's Christian College	
Rapid One Pot Synthesis of Ag/ZnO Nanoflowers for Plasmon Enhanced Visible Light Degradation of Nitrobenzene	G. Cynthia Jemima Swarnavalli, S. Dinakaran, S.Krishnave ni, G.M. Bhalerao	Materials Science and Engineering B	Accepted	Index copernicus	Women's Christian College	
Forward and reverse reactions of N-methylaniline-blocked polyisocyanates: a clear step into double	A. Sultan Nasar and G. Libni	RSC Adv.,	2017	1	Women's Christian College	-

Arrhenius plots and equilibrium temperature of thermally reversible reactions						
Catalysis of Forward and Reverse Reactions of $\epsilon$ -Caprolactam-Blocked Polyisocyanate: Double Arrhenius Plots and Equilibrium Temperatures of a Thermally Reversible Reaction	George Libni and Abdulsalam Sultan Nasar,	Chemistry Select	2017	1	Women's Christian College	-
Synthesis, electrolyte properties and solar cell performance of hyperbranched poly(aryl-etherurea)s	S. Sathiyaraj, Mahalingam Vanjinathan, G. Libni, K. Subalakshmi, J. Senthil Selvan & A. Sultan Nasar,	Journal of Macromolecular Science, Part A-Pure and Applied Chemistry,	2017	1	Women's Christian College	-
Exploration of Various Nano ZnO Catalysts for Congo Red dye Degradation	Esther Leena Preethi M., Umasankari A and Rekha C.H.	Int J Recent Sci Res.	2018		Women's Christian College	

Selective Oxidation of Cyclohexane to KA oil over Ce-AlPO-18 Molecular sieves.	Esther Leena Preethi M., Umasankari A and Rekha C.H.M. Palanichami , T. Sivakumar and A. Panduranga n,	International Journal of Engineering and Technology	2018		Women's Christian College	
Performance Analysis of Fingerprint Reference Point Detection Techniques based on Regularized Orientation Model	Shoba Dyre	International Journal of Computer Science and Information Security	2017	-	S.D.N.B. Vaishnav College for Women	-
Fingerprint Classification based on Novel Directional Features using Neural Network	Shoba Dyre	International Journal of Computer Engineering and Applications	2017	-	S.D.N.B. Vaishnav College for Women	-
A Robust Hierarchical approach to Fingerprint matching based on Global and Local Structures	Shoba Leslie	International Journal of Applied Engineering Research	2018	-	Women's Christian College	-
Needs and values: An exploration	Winston, C.N., Maher, H,	The Humanistic Psychologist	2017	Doi:10.1037/hum00		Cited by 2



	Easvaradoss, V			00054 45(3), 295- 311		
Conceptualizations of the good and the bad life: Two sides of the same coin	Winston, C. N., Maher, H., & Easvaradoss, V	The Humanistic Psychologist	2017	45(2), 134- 161.  Doi: 10 .1037/ hum00 00052		Cited 51 times
Kadanthakalam Nool Arimugam	Dr. Esther Arul Mary S G	Eleanor	April 2017	Vol. 1, Issue 1	WCC Multidisciplinary Research Journal	ISSN- 9772 4568 5700 2
Towards total digitalization-conceptual model with economic and psychosocial factors as moderators,	Dr.D.Usha	Shanlax International Journal of Management UGC approved journal number 44278 issn 2831-4643 vol 5 special issue 2 (Peer Reviewed Refereed Quarterly Journal PP 98-105	Feb 2018			
Profiling employee preferences for reward and recognition	Dr. D.Usha	UGC Approved - International Peer Reviewed , Refereed , Indexed Journal, Volume 6 Issue 1, pp 237-243, ISSN: 2320-2882	March 2018			
Analysation of the Performance of Propertary and Non-Propertiaty Tool for	K. Hema Shankari and Dr. Thirumalais elvi R	Journal of Advanced Research in Dynamical and Control Systems	2017	Elsevier Scopus Indexed Journal	Volume 9 Issue 5 Pg. 160- 167.	

Industry based Regression Testing Using Efficient Genetic Algorithm						
A Secured Routing Protocol for MANET Using Bat Algorithm and Firefly Optimization	Konduri. Sucharitha and Dr. R. Latha	Journal of Advanced Research in Dynamical and Control System	2018		ISSN 1943-023X Vol. 10   Issue: 4 Pages: 3 47-361	
Regression Testing Using IGRTCP Algorithm for Industry Application	K. Hema Shankari and Dr. Thirumalais elvi R	Journal of Advanced Research in Dynamical and Control Systems	2018			
Methodology for Regression Testing with open source Tool	K. Hema Shankari and Dr. Thirumalais elvi R	International Journal of Science and Technology	2018			
Prediction of Type-2 Diabetes Foot Ulcer- A Comparative Study with Classification Algorithm	Ms. Christy Pushpaleela	International Journal of Pure and Applied Mathematics, Volume 117 No.7 2017, Page No 219-230-ISSN 1311-8080(scopus)	2017	-	WCC	1
A Novel Approach for the Prediction of Treadmill Test in Cardiology using Data Mining Algorithms	Ms. A. Jerline Amutha	Indian Heart Journal(Scopus)	2018	-	WCC	-

implemented as a Mobile Application						
Prediction analysis of diabetic type-ii-foot ulcer data using R and data classification algorithm	Ms. Christy Pushpaleela	Journal of advanced research in dynamical and control systems, ISSN 1943-023X Vol 10, 3 –special issue, 2018, Pg no. 1198 to 1206, June 2018, total cites-11, cites-0.22, H index-6.(scopus)	2018	-	WCC	-
Clustering based Association Rule Mining to discover user behavioural pattern in Web Log Mining	J. Serin	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	0.23	Research Scholar, Research and Development Centre Bharathiyar University Coimbatore Assistant Professor Women's Christian College, Chennai	-
An Efficacious feature selection based on SU-PSO for Health care datasets	R. Abitha	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	0.23	Research Scholar, Presidency College, Chennai	-
Identification and	N. Vanitha	Journal of Advanced Research in Dynamical	2018	0.19	Research Scholar,	-

Visualization of Determinant and Dependent Classes Based on its Inheritance Level in Package Hierarchy		and Control Systems (SCOPUS)			Research and Development Centre Bharathiyar University Coimbatore	
Inheritance Coupling Complexity Metric in Association with Modifiability at Package Level: An Empirical Exploration	N. Vanitha	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	0.23	Assistant Professor Women's Christian College, Chennai	3
Clustering approaches for the analysis of DNA Ligand Interaction using Optimization Algorithms	E. Kiruba Nesamalar	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	0.23	Research Scholar, Research and Development Centre Bharathiyar University Coimbatore	-
Insoluble dendrimer-grafted poly (vinylimidazole) microbeads stabilized with mono/bimetallic	Eagambaram Murugan, J Nimita Jebaranjitham, K Janakiraman, Abhishek Mandal, D	New Journal of Chemistry	2017	-	PG Department of Chemistry, Women's Christian College.	

nanoparticle catalysts for effective degradation of malachite green	Geethalakshmi, M Dharmendira Kumar, A Saravankumar					
Gracefulness of the join of cycle with different graphs	J. Jeba Jesintha and K. Subashini	International Journal of Pure and Applied Mathematics	2017	Scopus	Women's Christian College	---
Disjoint union of cycle and s-isomorphic copies of caterpillar is odd graceful	J. Jeba Jesintha and Jayaglory	International Journal of Pure and Applied Mathematics	2017	Scopus	Women's Christian College	---
Gracefulness in the path union of vertex switching of odd cycle graphs	J. Jeba Jesintha and K. Subashini	Mathematical Sciences International Research Journal	2018	UGC Approved Journals	Women's Christian College	---
Cyclic path union of complete bipartite graphs is odd graceful	J. Jeba Jesintha and R. Jaya Glory	Mathematical Sciences International Research Journal	2018	UGC Approved Journals	Women's Christian College	---
Odd graceful labeling on m-isomorphic copies of trees of diameter 4 attached to a cycle	J. Jeba Jesintha and K. Farzana	Mathematical Sciences International Research Journal	2018	UGC Approved Journals	Women's Christian College	---
Difference cordial	V. Sharon Philomena	Mathematical Sciences International Research	2018	UGC Approv	Women's Christian	---

labeling on fan related graphs	and M. Manjula	Journal		ed Journals	College	
Cordial labeling for a new class of graphs	J. Jeba Jesintha and K. Subashini	IAETSD Journal of Advanced Research in Applied Sciences	2018	Scopus Suggested journal	Women's Christian College	---
The graph SSG(2) is odd graceful and odd harmonious	J. Jeba Jesintha and Ezhilarasi Hilda K	International journal of computer aided engineering and technology	2018	Scopus	Women's Christian College	----
Semiconducting Metal Oxides For Gas Sensor Applications	Alison Christina Fernandez, Sakthivel P, Joe Jesudurai	J. Materials Science, Materials in Electronics	2017	0	Post Graduate Department of Physics	0
Investigations on the Properties of Copper Sulphide Nanoparticles	S. Deepapriya, L. Ansel Mely, P. Annie Vinosha, John D. Rodney, S. Lakshmi Devi, S. Jerome Das	International Research Journal of Engineering and Technology	2017	0	Post Graduate Department of Physics	0
Investigations on the parameters affecting the efficiency of CdS/SnS Solar cell	K. Ramya and K.T. Ramakrishna Reddy	International Journal of Energy Research	2018	0	Post Graduate Department of Physics	0
A study on Employability Skills in	P. Carolin Golda	Emperor International Journal of Finance and Management Research	October 2017			

Information Technology Sector						
<b>3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)</b>						
<b>Title of the paper</b>	<b>Name of the author</b>	<b>Title of the journal</b>	<b>Year of publication</b>	<b>h-index</b>	<b>Number of citations excluding self-citations</b>	<b>Institutional affiliation as mentioned in the publication</b>
Effect of solvent on the size and properties of polymeric nanoparticles of poly( $\epsilon$ -caprolactam)	G. Cynthia Jemima Swarnavalli, V. Kannappa n, D. Roopsingh , V. Joseph	Journal of Molecular Liquids	2017	69		Women's Christian College
Spectral and Ultrasonic Investigation of Hydrogen Bonded Complexes of Cyclohexanol and Aryl Ketones in DMSO Medium DJ	G Cynthia Jemima Swamavalli, V Kannappa n, D Roopsingh , V Joseph	DJ Journal of Engineering Chemistry and Fuel	2018			Women's Christian College
Rapid One Pot Synthesis of Ag/ZnO Nanoflowers for Plasmon Enhanced Visible Light Degradation of Nitrobenzene	G. Cynthia Jemima Swarnavalli, S. Dinakaran , S.Krishnaveni, G.M. Bhalerao	Materials Science and Engineering B		32		Women's Christian College
Forward and reverse	A. Sultan Nasar and	RSC Adv.,	2017	96		Women's Christian

reactions of N-methylaniline-blocked polyisocyanates : a clear step into double Arrhenius plots and equilibrium temperature of thermally reversible reactions	G. Libni					College
Catalysis of Forward and Reverse Reactions of $\epsilon$ -Caprolactam-Blocked Polyisocyanate: Double Arrhenius Plots and Equilibrium Temperatures of a Thermally Reversible Reaction	George Libni and Abdulsalam Sultan Nasar,	Chemistry Select	2017	10		Women's Christian College
Synthesis, electrolyte properties and solar cell performance of hyperbranched poly(aryl-etherurea)s	S. Sathiyaraj, Mahalingam Vanjinathan, G. Libni, K. Subalakshmi, J. Senthil Selvan & A. Sultan Nasar,	Journal of Macromolecular Science, Part A-Pure and Applied Chemistry,	2018	44		Women's Christian College
Exploration of Various Nano ZnO Catalysts for Congo Red dye Degradation	Esther Leena Preethi M., Umasankari A and Rekha C.H.	Int J Recent Sci Res.	2018			Women's Christian College



Selective Oxidation of Cyclohexane to KA oil over Ce-ALPO-18 Molecular sieves.	Esther Leena Preethi M., Umasankari A and Rekha C.H.M. Palanichami, T. Sivakumar and A. Pandurangan	International Journal of Engineering and Technology	2018	15		Women's Christian College
Callus induction from the seeds of fenugreek, groundnut and green gram	Bernice D Samuel, Rashmi J, Smrithi E Som and Selvi Gnanasekaran	Eleanor Vol 2(2): 131-134 (ISSN – 97724568570 02)	2018	-	-	WCC
Hand grip strength: A reliable, reproducible, cost –effective tool to assess the nutritional status and outcomes of cirrhotics awaiting liver transplant	Daphnee D.K, Sheila John and Anil Vaidya, Anand Khakhar, S Bhuvaneshwari	Clinical Nutrition, ESPEN; e1-e5	2017		3	Department of Home Science
Conceptualizations of the good and the bad life: Two sides of the same coin	Winston, C. N., Maher, H., & Easvaradoss, V.	The Humanistic Psychologist	2017	45(2), 134-161. Doi: 10.1037/hum0000052	Cited 51 times	
Analysation of the Performance of Proprietary and	K. Hema Shankari and Dr. Thirumala	Journal of Advanced Research in Dynamical	2017	Elsevier Scopus Indexed Journal		

Non-Proprietary Tool for Industry based Regression Testing Using Efficient Genetic Algorithm	iselvi R	and Control Systems				
A Secured Routing Protocol for MANET Using Bat Algorithm and Firefly Optimization	Konduri. Sucharitha and Dr. R. Latha	Journal of Advanced Research in Dynamical and Control System	2018			
Regression Testing Using IGRTCP Algorithm for Industry Application	K. Hema Shankari and Dr. Thirumala iselvi R	Journal of Advanced Research in Dynamical and Control Systems	2018			
Methodology for Regression Testing with open source Tool	K. Hema Shankari and Dr. Thirumala iselvi R	International Journal of Science and Technology	2018			
Assessment Of Decision Tree Algorithms On Student's Recital,	Dr.Savithri .V, Ms.Arundathi, Ms.Glory Vijayaselvi	International Research Journal of Engineering and Technology	2017	17	1	Women's Christian College, Chennai
A Novel Approach for the Prediction of Treadmill Test in Cardiology using Data Mining Algorithms implemented as	Ms. A. JerlineAmutha	Indian Heart Journal	2018	33	-	Women's Christian College

a Mobile Application (scopus)						
Prediction analysis of diabetic type-ii-foot ulcer data using R and data classification algorithm, (scopus)	Ms. Christy Pushpaleela	Journal of advanced research in dynamical and control systems, ISSN 1943-023X Vol 10, 3 – special issue, 2018, Pg no. 1198 to 1206, June 2018, total cites- 11, cites-0.22	2018	6	-	Women's Christian College
Prediction of Type-2 Diabetes Foot Ulcer- A Comparative Study with Classification Algorithm	Ms.Christy Pushpaleela	International Journal of Pure and Applied Mathematics	2017	28	-	Women's Christian College
Prognosis of Lush In Rice Crops and Nourishing Inadequacy by Exerting Multiclass SVM Through GPS	Dr.Savithri .V	International Journal of Computer Science and Engineering	2018	9	1	
Age Prediction Using Facial Images	Dr.Savithri .V	i-manager's Journal on Image Processing	2018	4	1	
A Heterogenous Approach to	Dr.VijayaS amundees	i-manager's Journal on	2018	4		

Extract Information from High Resolution Satellite Images	wari. V	Image Processing				
Clustering based Association Rule Mining to discover user behavioural pattern in Web Log Mining	J. Serin	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	21	-	Research Scholar, Research and Development Centre Bharathiyar University Coimbatore Assistant Professor Women's Christian College, Chennai
An Efficacious feature selection based on SU-PSO for Health care datasets	R. Abitha	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	21	-	Research Scholar, Presidency College, Chennai
Identification and Visualization of Determinant and Dependent Classes Based on its Inheritance Level in Package Hierarchy	N. Vanitha	Journal of Advanced Research in Dynamical and Control Systems (SCOPUS)	2018	06	-	Research Scholar, Research and Development Centre Bharathiyar University Coimbatore Assistant Professor Women's Christian College, Chennai
Inheritance Coupling Complexity Metric in Association with Modifiability at	N. Vanitha	International Journal of Pure and Applied Mathematics (SCOPUS)	2018	21	03	Women's Christian College, Chennai

Package Level: An Empirical Exploration						
Clustering approaches for the analysis of DNA Ligand Interaction using Optimization Algorithms	E. Kiruba Nesamalar	Internationa l Journal of Pure and Applied Mathematic s (SCOPUS)	2018	21	-	Research Scholar, Research and Developme nt Centre Bharathiyar University Coimbatore
Biofertilizer Production from Agro - Wastes”	Vidhya Devi and Dr. V. Judia Harriet Sumathy	World Journal of Pharmaceutic al Research	2017	27		PG & Research Department of Biotechnolog y, Women’s Christian College, Chennai 600 006
A Comparative Study on the Toluene Degrading Bacteria Isolated from Polluted Environments”,	D.V. Varshini and Dr. V. Judia Harriet Sumathy,	World Journal of Pharmaceutic al Research,	2017	27		
Comparison of Copper and Cobalt Resistance of Microorganisms Isolated from Coal Mining Environments of Neyveli	Makkena Sree Lekha and Dr. V. Judia Harriet Sumathy,	World Journal of Pharmaceutic al Research	2017	27		
Algal Bioremediation of Cooum Water	Puja Prabha Tripathi and Dr. V. Judia Harriet Sumathy	World Journal of Pharmaceutic al Research	2017	27		
A Comparative Study on the Phytochemicals,	Fabiola and Dr. V. Judia	World Journal of Pharmaceutic	2017	27		

Antioxidant, Antidiabetic and Antimicrobial Activity of the Leaves of Solanum Nigrum and Solanum Trilobatum”,	Harriet Sumathy	al Research				
Recurrence of reported CDH23 mutations causing DFNB12 in a special cohort of South Indian hearing impaired assortative mating families – an evaluation.	Vanniya SP, Chandru J, Pavithra A, Jeffrey JM, Kalaimathi M, Ramakrishnan R, Karthikeyan NP, Srikumari Srisailapat hy CR	Annals of Human Genetics.	2017	70		
Role of DFNB1 mutations in hereditary hearing loss among assortative mating hearing impaired families from South India	Pavithra A, Jeffrey JM, Chandru J, Vanniya SP, Kalaimathi M, Ramakrishnan R, Karthikeyan NP, Srikumari Srisailapat hy CR	BMC Medical Genetics	2018	58		
Nutritive	Aishwarya	IOSR Journal	2018	58		

Analysis of Coconut Residue (CR)-Composite Bread Fermented With Lactic Acid Bacilli (LAB) and Yeast and CR-Gluten-Free Biscuits	K, Pavithra A.	of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)				
Exclusion of putative CATSPER2 and STRC gene deletion and FOXI1 gene mutations in a unique cohort with sensorineural deafness and male infertility from south India	Jeffrey JM, Chandru J, Pavithra A, Kalaimathi M, Indhumathi N, Ashraf P and Srisailapathy CRS.	Current Science	2018	98		
Insoluble dendrimer-grafted poly (vinylimidazole) microbeads stabilized with mono/bimetallic nanoparticle catalysts for effective degradation of malachite green	Eagambaram Murugan, J Nimita Jebaranjit ham, K Janakiraman, Abhishek Mandal, D Geethalakshmi, M Dharmendira Kumar,	New Journal of Chemistry	2017	-	-	PG Department of Chemistry, Women's Christian College (Autonomous), College Road, Chennai – 600006, Tamil Nadu, India.

	A Saravana kumar					
Gracefulness in the path union of vertex switching of odd cycle graphs	J. Jeba Jesintha and K. Subashini	Mathematical Sciences International Research Journal	2018	7	---	Women's Christian College
Cyclic path union of complete bipartite graphs is odd graceful	J. Jeba Jesintha and R. Jaya Glory	Mathematical Sciences International Research Journal	2018	7	---	
Odd graceful labeling on m-isomorphic copies of trees of diameter 4 attached to a cycle	J. Jeba Jesintha and K. Farzana	Mathematical Sciences International Research Journal	2018	7	---	
Difference cordial labeling on fan related graphs	V. Sharon Philomena and M. Manjula	Mathematical Sciences International Research Journal	2018	7	---	
The graph $SSG(2)$ is odd graceful and odd harmonious	J. Jeba Jesintha and Ezhilarasi Hilda K	International journal of computer aided engineering and technology	2018	9	---	
Gracefulness of the join of cycle with different graphs	J. Jeba Jesintha and K. Subashini	International Journal of Pure and Applied Mathematics	2017	28	---	
Disjoint union	J. Jeba	International	2017	28	---	Women's



of cycle and s-isomorphic copies of caterpillar is odd graceful	Jesintha and Jayaglory	Journal of Pure and Applied Mathematics				Christian College
On cordial labelling of vertex switching of cycles	J. Jeba Jesintha and Subashini	Middle-East Journal of Scientific Research	2017	41	---	
Semiconducting Metal Oxides For Gas Sensor Applications	Alison Christina Fernandez , Sakthivel P, Joe Jesudurai	J. Materials Science, Materials in Electronics	2017	61	0	PG Department of Physics Women's Christian College Chennai India
Investigations on the Properties of Copper Sulphide Nanoparticles	S. Deepapriya, L. Ansel Mely, P. Annie Vinosha, John D. Rodney, S. Lakshmi Devi, S. Jerome Das	International Research Journal of Engineering and Technology	2017	-	0	
Investigations on the parameters affecting the efficiency of CdS/SnS Solar cell	K. Ramya and K.T. Ramakrishna Reddy	International Journal of Energy Research	2018	75	-	
Employability Skills: A Study on Perception on Engineering Employees in	P. Carolin Golda	International Journal of Pure and Applied Mathematics	2018	28↑	7.19↑	Academic Publications Ltd

Chennai District					

### 3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	25	62	15	62
Presented papers	31	33	-	-
Resource Persons	-	1	1	27

### 3.5 Consultancy

#### 3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting / Sponsoring Agency	Revenue generated (amount in rupees)
Mathematics	Certificate course in "Quantitative Aptitude" offered to III year students of WCC	-	14,947
Chemistry	Green box initiative	-	2500
	Service provided for Analysis of samples using UV Visible spectrophotometer	-	100
PBPB	Green Box Initiative – Towards the sale of herbs, organic vegetables and mushrooms	-	Rs 11,705 /-
Dr. Jancy Merlin, Advanced Zoology and Biotechnology	Bioinformatics	Research Scholars	Started in March 2017 and Completed in August 2018 Rs. 10,000/-
All Faculty - Computer Science	App Development using MIT App Inventor	Department of Computer Science	9500
	Data Analysis using Python		23000
Psychology			
Ms. Magdalene Jeyarathnam	Diploma in expressive art therapy	East West Center for Counselling and Training	2,86,000

Dr. Prasanna Robinson	Certificate course in dyslexia	Kingdom Kids learning centre	60,300
	Christian Counseling	Person to Person	6,075
B Com	Fundamentals of Capital Markets	Finmark Trainers Pvt Ltd	Rs 2,38,000 (238 x Rs 1,000)
	Securities Operations & Risk Management	Finmark Trainers Pvt Ltd	Rs 1,79,000 (179* Rs 1,000)
	Mutual Funds	Finmark Trainers Pvt Ltd	Rs 60,000 (60* Rs 1,000)
	Investment Adviser	Finmark Trainers Pvt Ltd	Rs 78,000 (65* Rs 1,200)
	Business Accounting Process- Accounts Receivable & Accounts Payable	Artha Vidhya Pvt. Ltd	1,06,500 (71x Rs.1,500)
B.Com (CA)	Diploma in Computerized Accounting	-	1,47,240
Visual Communication	National Conference on Indian Media: Towards a Public Interest Paradigm		Rs 4,000
	Cultural Artastrophe'13		Rs.44,216
CST Consultancy Services	Web designing using Joomla-Certificate Course	Consultancy services offered to Other Departments	4,977
	Resources for taking Print Outs	Offered to the students of the Department	2,902
		Total	5669
IT			
Department Consultancy Services	Certificate Course Web Design using Joomla	Consultancy services offered to students	Rs. 11,500/-
	Provided Study Material for School Teachers during ICT training	ICT for Government School teachers	Rs.1400/-
	Document Scanning – DigiLocker Storage	Consultancy services offered to students	Rs. 1000/-
	Certificate Course Web Design using Joomla		Rs.1090/-
	Certificate Course Aptitude Skill Development		Rs. 9,275/-
PG Maths	Through National Conference	CSIR, TNSTC, TANSCH, WCC	Rs.

	organized in 2018	Management and Adhityaa Infomedia Solutions	1,10,000/-
	Through Certificate Course organized in 2018	--	Rs. 25,500/-
	UGC Minor Project	UGC	Rs. 3,00,000/-

### 3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
All Faculty-Computer Science	ICT Training for Government and Corporation School Teachers	Government of Tamilnadu Rashtriya Madhyamik Shiksha Abhiyan (RMSA program)	NIL	92
B.Com A&F				
Finmark	Fundamentals of Capital Markets Course	Finmark	171000 (includes course fees)	43
	Securities Operations & Risk Management		30000 (includes course fees)	30
	Investment Advisory Program		15600 (includes course fees)	13
	Mutual Funds		17000 (includes course fees)	17
EPALMLEAF ITES Pvt Ltd.	Business Accounting Process - Accounts Receivable & Accounts Payable	EPALMLEAF ITES Pvt Ltd.	88500 (includes course fees)	59

<b>3.6 Extension Activities</b>			
<b>3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year</b>			
<b>Title of the Activities</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Number of teachers co-ordinated in such activities</b>	<b>Number of students participated in such activities</b>
<b>NSS</b>			
CEO Run	United Way Chennai	1	25
Wipro Marathon	United Way Chennai	1	25
St Lazarus High School Health Camp	United Way Chennai	1	25
Day of action handwash campaign	United Way Chennai	1	25
Disaster Mgmt Workshop	YRC	1	170
Eye Donation Awareness Orientation	Sankara Nethrayala	1	170
Stem Cell Awareness	Jeevan Foundation	1	150
Blood Donation Camp	Indian Red Cross	5	400
Spl Session with Transgenders	Nirangal	2	150
Little Cricket Match	Lit the Light	1	
Self-Defence Day	Pink Club	2	120
Old Age Home Visit	Little Drops, Porur	1	
<b>NCC</b>			
Animal Care	Blue Cross of India	1	25
Pond Cleaning	Namma Ooru Namma Kulam (NGO)	1	30
Green Diwali	Fire Fighting Force, Chennai	1	25
Self-Defence Program	Aware, Iragugal (NGO)	1	55
Library Event	Chennai Corporations Regional Library	1	25
Pinkathon	United Sisters Foundation	5	35
<b>Rotaract</b>			
Tangled	Adyar Cancer Institute	1	30
Aquarius	The Rotary Club of Madras, Industry City	1	30
Odi Vilayadu Pappa	Believers School of Education	1	
Feel the Hunger Feed the Hungry	Rotaract club of Ambattur	1	
Karka Kasadara	Child Children's Home,	1	

	Kolathur		
Teach	McDougall Nursery School	1	
Dream Catcher Hi-V	Shelter Home, SIPS Home	4	450
Thangathaival	Guild of Service Home, Anna Nagar	1	
Bimbangal	WCC	1	
Iyarkkai	Rotaract Club of Pegasus	1	
Thatha Paati	WCC	1	
Blue Whale Theories behind the Suicidal Decoy	WCC	1	
Pixels	JFX School of Event Management	1	
R.I.P Glossophobia	WCC	1	
Kanavugal Meipada	Indian Overseas Bank	1	
Vizhithiru	WCC	1	
Maangalyam	WCC	1	
Thai Sei	WCC	1	
Maa Stree Suraksha	WCC	2	215
Kenmai	WCC	1	
#Say_no_to body shaming	Rotaract Club of Ibadanacobo, Club Rotaract de panama	1	
Gratuliere	Rotaract Club of Sunrise, Hyderabad	1	
Merci Cops	Rotaract Club of SNR Coimbatore	1	
Pheonix v14.0	WCC	1	
<b>Yi</b>			
Workshop on Women Empowerment	Nakshatra	1	268
Workshop on Knowing your rights	Arapor Iyakkam	1	254
Workshop on Suicide Prevention	Uravugal	1	219
Workshop on Traffic Awareness	Thozha	1	247
Sports Day with Day spring orphanage kids	Sasha Foundation	1	15
Organ Donation	Thozhan	1	30
Mime on Traffic Regulations	Thozha	1	218
Personality Development Classes	CII	1	150
Scribing and Reading to the	Padma Seshadri Bala	1	164

Blind	Bhavan		
Food Bank	Feed the need (NGO)	1	187
Workshop on improper Diet	Dr Mahalakshmi	1	213
Green Kalam	Thozhan	1	
School Awareness program	Ewarts School	1	89
First Aid Awareness	Alert (NGO)	1	49
Adoption of Child	Mercy Niketan	1	157
Reading and Scribing for Blind Students	St Johns School, Santhome	1	224
<b>Eco Club</b>			
Workshop on Knowing your rights	Arapor Iyakkam	1	254
Visit to Animal Shelter	Blue Cross, Velachery	1	150
Blue Cross Workshop	Blue Cross, Velachery	1	70

### 3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Youth Exchange Program	Yep Bangladesh	DG NCC BNCC	P.RamyaChitra III BCom General A
Republic Day Camp	Flew The SW VIRUS In The PM Rally	DG NCC	Evangiline II Physics
Vayu Sainik Camp	Gold In Best Pilot	DG NCC	Evangiline II Physics
	Best Flying Squadron	DG NCC	Pavithra II BCA
Igc Republic Day		DG NCC	LipsaPatra II AZBT Reshmi II English Athira II Chemistry Malini II English
Igc Thal Sainik Camp	All Rounder And All Wing Shooting	DG NCC	Lakshmi.P II Bcom general Nithyasree II NUT Mercy E II Bcom general

			Mercy John II Bcom general
Army Attachment Camp		DG NCC	Rashmitha X III BBA
Marina Republic Day Camp	Marched in front of the CM of Tamilnadu	DG NCC	LipsaPatra II AZBT Blessy Vitoria II Maths
Special National Integration Camp			Malini II English

**3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year**

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities
NSS	YRC	Disaster Management Workshop	1	170
	Indian Red Cross	Blood donation camp	5	400
	Nirangal (NGO)	Special session with transgenders	2	150
	Sankara Nethralaya	Eye donation awareness orientation	1	170
	Pink	Self defence day	2	120
	WCC	Share your meal	1	180
	Jeevan Foundation	Stem cell	1	150
NCC	Blue Cross India	Animal care	NA	25
	Namma Ooru Namma Kulam	Pond cleaning	NA	30
	Fire Fighting Force, Chennai	Green diwali	NA	25
	Aware Iragugal	Self defence	1	55
	Chennai Corporation	Library event	NA	25



	Regional Library			
	United Sisters Foundation	Pinkathon	5	35
Rotaract	Shelter Home, SIPS Home	Hi-V Dream Catcher	4	450
	WCC, Rotaract Club	Stree Suraksha	2	215
YI	Nakshathra	Workshop on Women Empowerment	1	268
	Arapporlyakkam	Workshop on Knowing your Rights	1	254
	Uravugal	Workshop on Suicide Prevention	NA	219
	Thozha	Workshop on Traffic Awareness	NA	247
	Shasha Foundation	Sports Day with Day spring Orphanage	NA	15
	Thozhan	Organ Donation	NA	30
	Confederation of Indian Industry	Mime on Traffic Regulations	1	150
	Padma Seshadri Bala Bhavan	Scribing and Reading to the Blind	NA	164
	Food Bank	Feed the need	NA	187
	Yi & Dr.Mahalakshmi	Workshop on Improper Diet	NA	213
	St.Johns school , santhome	Scribing and Reading to the Blind	NA	224
	Thozhan	Green Kalam	NA	218
	Mercy nikethan	Adoption of Child	NA	157
	Ewarts school, central	Awareness Program	NA	89
	Alert	First Aid Awareness	NA	49

Enviro Club	Araporriyakkam	Workshop on Knowing your rights	1	250
	Blue cross	Animal Shelter Visit	NA	150
	Blue cross	Workshop	NA	70

### 3.7 Collaborations

#### 3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
English			
Research	1. Sandhya Kannan 2. Persis Jeyamalar Franklin	Karadi Path -An Education Company	6 months
Mathematics			
Semester Abroad Programme	Jolin Ann Vashni	Tuition fees waived at LeTourneau University, Texas	January 2018 - June 2018 (One Semester)
B.Sc. Chemistry			
Semester Abroad Programme	Sarah Jasmine	Tuition fees waived at LeTourneau University, Texas	
Home Science			
Semester abroad program	Kiruba Michalin	Tuition fees waived at LeTourneau University, Texas LeTourneau University	Jan 3rd to May 7th, 2018
In-Silico Drug Design and Molecular Modelling	R. Sanjana Daphne Jacinth Gracia	Ramakrishnan Research Fund Rs. 5,000	One Month
PG Research	Hasna Arshia A (FSN)	Research seed grant offered by college management Rs 12,000	1 Year

PG Research	Rajalakshmi (FSN)	Research seed grant offered by college management Rs 6000	1 Year
PG Research	Sangeetha (FSM)	Research seed grant offered by college management 2000 Rs	1 Year
PG Research	Pooja K (FSN)	CNCREA 5000 Rs	1 Year
PG Research	Jhansi Sekaran (FSN)	CNCREA 5000 Rs	1 Year
PG Research	Tryphaena Priyadarshini (FSM)	CNCREA 5000 Rs	1 Year
PG Research	Hemalatha (FSN)	NSC 5000 Rs	1 Year
PG Research	Sangavi Paranthaman (FSN)	NSC 5000 Rs	1 Year
PG Research	Monika K (FSN)	NSC 5000 Rs	1 Year
PG Research	Safiya Banu (FSM)	NSC 5000 Rs	1 Year
PG Research	Evangeline Faith Jenifer (FSN)	Mrs. Malathi Mohan fund 3000 Rs	1 Year
PG Research	Kalaivani (FSM)	Mrs. Malathi Mohan fund 3000 Rs	1 Year
Psychology			
Certificate course in Dyslexia- Training	67	Fee payment	1 year
Certificate course in Advanced Biblical Counselling- level one- Training	9	Fee Payment	50 credits hours
Diploma course in Expressive Arts therapy- Student Exchange	9	Fee payment	I year

M.Sc. CST Semester Abroad Program	Ms.Swetha II M.Sc CST	in Le Tourneau University, Texas, USA – Fee Waiver	Jan 2018 to May 2018
PG Biotechnology BIOTECHNIKA Competitive Exams Coaching	5	-	6 months
PG Chemistry			
Fully Funded Laboratory Internship at National Taiwan University of Science and Technology (Taiwan Tech)	Vinothini A P.Kanmani	National Taiwan University of Science and Technology (NTUST), Taiwan	4 Months
PG Math			
National Conference on Mathematics and Computer Applications	250 Participants	CSIR, TNSTC, TANSCH, WCC Management and Adhityaa Infomedia Solutions	2 DAYS
National Workshop On Graph Matching Approach Towards Women Related Cancer	369 Participants	UGC	1 Day

**3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year**

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
English				
Project Work	English Learning Research – Teaching Programme of Karadi Path	Karadi Path An Education Company	6 months (November 2017 – April 2018)	Sandhya Kannan, Persis Jeyamalar Franklin
Project Work & Internship	Community Service – Peace, Gender	Prajnya	Short campaigns	Sandhya Kannan Tara Oomen Advaita Mannikath Thamariselvi Dipika. K Tina Dharshini

				Ramya. T Jayasubha Afrah Sheriff Hannah Suganthi Angeline Nikita Varsha Merasha Amita Rachel Dyana. K Christina. J Sushmitha V Janani. J
Workshop	Theatre Training	Madras Players	September 2017 to March 2018	Suganthi A M Mahalakshmi K Reneeta Anna Robert Mariatta D Kappan Sandhya Kannan Heera Lillian Selvakumar Parvathi G B
Internship	Community Service	PCVC (Crime Prevention and Victim Care)	19 Feb – 19 March 2018	Annie Dasari Tamaraiselvi Dipika. K Suruthi Sree Asmitha Chellam Harini Jayasubha Tamizharasi
B.Sc. Physics				
Academic	Internship and On the job training	<ol style="list-style-type: none"> <li>1. CSIR- CSIO, Chennai Centre</li> <li>2. Indian Institute of Technology, Madras</li> <li>3. India Meteorological Department, Regional Meteorological Centre, Chennai, Ministry of Earth Science, Government of India.</li> <li>4. Floranix Pvt. Ltd. Adyar Chennai</li> </ol>	45 hours during vacation	Students
B.Sc. Chemistry				

Project work	In-Silico Drug Design and Molecular Modelling	Tamil Nadu Agricultural and Veterinary University, Chennai	February to March	1.R. Sanjana 2. Daphne Jacinth Gracia
Summer Internship	Study of electron-transfer reaction of Fe(CN) <sub>6</sub> <sup>3-</sup> complex embedded polyionic liquid chemically modified electrodes	Vellore Institute of Technology, Vellore	24-05-17 to 09-06-17	Christina Nilavu 15CHE09
				Lyric 15CHE21
				Nivya 15CHE25
				Jessintha 15CHE18
Food Analysis	Rani Food products, Vadakara, Kerala	8.5.17 to 15.5.17	Aparna P R 15 CHE 39	
Food Analysis	Eastern Condiments PVT.LTD, Idukki, Kerala	1.6.17 to 7.6.17	Seba Merin Vinod 15 CHE 30	
Crude oil and Core Analysis	Regional Geoscience Laboratory, ONGC, Villivakkam, Chennai	15.5.17 to 26.5.17	V Aparajitha 15 CHE 04 D. Emily Joy 15 CHE 11	
PBB				
Summer Training	OJT	Various diagnostic labs, institutes	4 weeks May 2017 and 2018	Second year UG students First year UG students
Research Project guided by faculty	Project	SRM	2017-2018	Sanjana P
Industrial Visit		Aavin Lab, Madhavaram	August 2017	Third year Core students
Study Trip		CMFRI – Field Lab, Kovalam	September 2017	First year Core students
		Lister Lab	October 2017	Third year Medical Microbiology students
		IMPCOPS	February 2018	Third year Herbal science students
		SunAgro Biotech	March 2018	Third year students
Workshop on Mushro		S&R Agrobiotech	February 2018	Second year NME students

om Cultivat ion				
Worksh op on Terrari um		Planted Aquarium	February 2018	Third year Core students
B.Sc. AZBT				
Service learning		Government Museum, Egmore	Even Semester	36
		Tree Foundation	Even Semester	39
		Blue Cross	Even Semester	45
On-the- job training		Sun Agro Biotech	Summer	3
Service learning		Nimmadhi Illam	Even Semester	45
Home Science				
PG - Interns hip	Dietary	SRM	May 2018	10
		CMC, Vellore	May 2018	10
		MMM	May 2018	22
		Dr Mehta Hospital	May 2018	5
B.Sc. Computer Science				
Summe r Interns hip	On the Job Training	NTrust Infotech Pvt Ltd	18-4-18 - 08-6-18	Dhanalakshmi S. Emmy V. Jerry Janani R Poornima J Siva Priya K
		Indostar Capital Finance Ltd	14-05-18 - 13-06-18	Vijaya Tarani V Karen Monika K
		Cold Water Software Labs	16-04-2018 to 15-05-2018	Kokhila R Sindu Mohan
		Dataval Analytics	30-04-2018 to 30-05-2018	Bandaru Vasanthi
		FIS Global Business Solution	16-05-2018 to 15-06-2018	Swathi M.N.
		IOB, Pammal	03-05-2018 to	Jeffrin Salomi S Percy Stella D

			29-05-2018	
		IOB Royapuram	15-04-2018 to 11-05-2018	Celina Janet D
		IOB, Annanagar	03-05-2018 to 08-06-2018	Balaji Sai Puja Saranya J Shekina N
		IOB, R K Salai	18-04-2018 to 19-05-2018	Kavitha K Roseline V
		HCL Technologies, Ambattur	04-05-2018 to 12-06-2018	Divyasree B Jayashree A.S.
		LVB, Tuticorin	16-04-2018 to 30-05-2018	Rose Merlin Sheeba
		Nikitha Web Designing	16-04-2018 to 26-05-2018	Kirubalini S Pooja J
		Nine Star Information Technology	16-04-2018 to 30-05-2018	Jayaselvi M Manickam R Nandhini K Priyadharshini K Suvalakshmi K Jayasree R
		Notion Press Media	11-04-2018 to 11-05-2018	Regina Sherlin Pradeepa A Rachel Monica S
		Sutherland Global Services	16-04-2018 to 14-05-2018	Merlin Jasper J Shalini Mary A
		TNSC Bank, Ayanavaram	16-04-2018 to 15-05-2018	Getsiya Priya Tharishini F. Mahalakshmi K.M. Manjula G.
		TNSC Bank, Egmore	16-04-2018 to 15-05-2018	Akshaya B Monica D
		TNSC Bank, Kellys	16-04-2018 to 15-05-2018	Jenifar G Mariya Steffi Hutton
		Precision Informatics	18-04-2018 to 31-05-2018	Sukirtha K K
		Prithiv Technologies	16-04-2018 to	Gayathri S Keerthi A D



			19-05-2018	Nivatha Sri J K
Psychology				
Certificate course	Certificate course in dyslexia	Kingdom Kids learning centre & Believers school of education, a Unit of Kingdom Trust, Chennai - 49 850-587-3994 <a href="mailto:crossfaithchurch@gmail.com">crossfaithchurch@gmail.com</a>	1 year course	Course open to college students and community in general
Diploma	Diploma in expressive art therapy	East West Center for Counselling No.14, 2nd Avenue, Harrington Road, Chetpet, Chennai - 600031 +91 - 044 - 42080810 <a href="mailto:info@centerforcounseling.org">info@centerforcounseling.org</a>	300 hours class	Course open to college students and community in general
B.Com.				
On - the - job training		1. State Bank of India / 04428343861 2. Indian Overseas Bank/ 04426734201 3. Indian Bank/ 044 28271281 4. United National Insurance Ltd./ 6106641500 5. Tata Consultancy Services / 9940144971 6. Tamil Nadu Salt Corporation/ 044-28520356 7. Pon Pure Chemicals India Pvt Ltd./04426161803 8. Rajendran and Associates/ 9840149199 9. Apex Ltd / 044-42225000 10. Hurix Digital / 044-66674888 11. Hector Beverages (Paperboat)/4254425	4 weeks	2 1 1 1 1 7 1 1 1 1 4

B.Com Hon				
Guest Lectur e and Interns hip		Indian Overseas Bank (Banking Sector) Chief Manager 28267620	31.10.2015 to 31.10.2020	All 3 Years of B.Com(Honours) students
		Mahalakshmi Tools & Machiney Pvt. Ltd. (Manufacturing Concern)Mr.R.Ramesh Mob: 9551667400	11.10.2014 to 11.10.2017	
		Renewable Energy Engineering Equipments Pvt. Ltd. (Manufacturing Concern)Mr.G.Sivaprakash Mob: 94443 33306	11.09.2014 to 11.09.2017	
Guest Lectur e		Avidus Academy of Management Ms. J.Nisha Mob: 8754501111	05.10.2015 to 05.10.2020	
Guest Lectur e and Interns hip		R.Subramanian &Co. (CA Firm)Mr.R.Prakash Mob:98409 22616	05.10.2015 to 05.10.2020 (Renewed date)	
		Sivaprakash Audit & Assurance Services. (CA Firm) Mr.G.Sivaprakash Mob: 94443 33306	31.08.2018 to 31.08.2021	
		Vel Tech Engineering Works (Manufacturing Concern) Ms. Kavitha Mob: 97919 99061	05.12.2016 to 05.12.2019	
Intern ship	1)Lagrange's Method in	Adhityaa Infomedia Solutions	April 2018 to June 2018	6 Nos.

	Numerical Methods using Matlab 2)Secant Method in Numerical Methods using Matlab 3)Muller's Method in Numerical Methods using Matlab 4)Han's Method in Numerical Methods using Matlab 5)RK Method in Numerical Methods using Matlab 6)Jacobi Method in Numerical Methods using Matlab			
	Applications of differential equation using Matlab	CSIR-CLRI		2 Nos.
	1)Queuing theory and its application 2)LIE Algebra	Anna UTY, Guindy		2 Nos.
	1)Order statistics under the usage of distribution 2)Game Theory and its solutions 3) Wiener index on graphs and graph complements 4) Wiener index on generalised Bethe Tree	Anna UTY, MIT		4 Nos.
	1)Fixed point theory in complex valued metric	Loyola College, Chennai		6 Nos.

	space and generalised contraction 2)Common couple fixed point 3)Radio-mean labelling 4)L(2,1) labelling 5)Radio-Labeling 6)Best Proximity Point			
	Post Graduate Diploma in Computer Application	Loyola Institute of Business Administration		2 Nos.
	Finite element method	Stella Maris College		1 No.
	Python	Neo Orange Technology		5 Nos.
	Python	Sri Maruthi Company		2 Nos.
	Ideals in Semiring	Vadaranyam College of Education		1 No.
	Cryptography	Govt Arts College, Cuddalore		1 No.
	Alegebraic Graph Theory Without Orientation	St. John. College, Tirunelveli		1 No.
	Complex Analysis (entire functions)	Madha Institute of Engineering and Technology, Chennai		1 No.
	Python	Edmasters Institute		1 No.
	Analysis	Madras University		1 No.
	Project on Nipah Virus epidemic using MATLAB	BAS 3D Robotics and 3D Design, Kottayam, Kerala		1 No.
	Distributed system and its management	Saveetha School of Engineering, Thandalam		1 No.
Project	1). On Graceful Labeling of new graphs	Women's Christian College	November 2017 to March 2018	12 Nos.

	<p>2) Difference cordial labeling on special graphs</p> <p>3) Odd graceful labeling for graph attachments with cycle</p> <p>4) Super edge magic total labelling</p> <p>5) Paired domination of certain nanostructures</p> <p>6) Edge-odd graceful labeling on certain spit graphs</p> <p>7) Acyclic edge-coloring on prims-like graphs</p> <p>8) A study on weiner indices of certain dendrimers</p> <p>9) Wiener polarity of dendrimers</p> <p>10) On topological indices of nanostructures</p> <p>A study on various product cordial labeling on new classes of graphs</p> <p>11) Face and total face signed product cordial labeling for some cycle related graphs</p> <p>12) Computation of topological indices</p>			
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	of Graphene and SiO <sub>2</sub> layer structure			
	<p>1) A study on the effect on the problems faced by women in society using fuzzy relational mapping</p> <p>2) A study on advantages of social media using combined overlap block fuzzy cognitive maps (COBFCMS)</p> <p>3) A study on the problem faced by Education on employment using DABAM</p> <p>4) The effect of lifestyle along the river belt by sand mafia using fuzzy Relational Maps (FRMs)</p> <p>5) A study on the effect of social networking in young using BAN model</p>	Loyola College, Chennai	November 2017 to March 2018	5 Nos.
	<p>1) Watson-crick conjugate factor of a finite word</p> <p>2) Pseudoknot Bordered Factor of a word</p>	Madras Christian College, Chennai	November 2017 to March 2018	2 Nos.
	1) Fuzzy game	Bharathi Women's College	November 2017 to March 2018	2Nos.

	<p>problem with generalized octagonal fuzzy numbers as pay-offs.</p> <p>2) Connectedness energy of a fuzzy graph</p>			
	<p>1) 2-point set domination of Cartesian product of paths and join of graphs</p> <p>2) Bounds of color energy of graphs through various matrices</p> <p>3) Path partition number in Cartesian product of paths</p> <p>4) The color laplacian energy of the simple graphs</p> <p>5) Bounds of color energy of graphs through various matrices</p>	Anna University	November 2017 to March 2018	5Nos.
	<p>1) Hungarian method for solving Intuitionistic fuzzy assignment problem</p> <p>2) On comparison of ranking functions in the fuzzy Traveling salesman problem</p>	Pachaiappas College, Chennai	November 2017 to March 2018	2Nos.
PG Phy				

Interns hip	Magnetic Resonance Imaging	Department of Radiology, Christian Medical College, Vellore	May 2017-June 2017	Aileen Vincy G
	Ultrasound Imaging			Dharani. B
Interns hip	Automatic Water Level indicator and water pumping Darkness activated night Lamp using LDR & ATMEGA 328	Floranix	May 2017-June 2017	Eunice Devakirubai
Interns hip	Excited State decay kinetics in the analysis of Milk	Department of Medical Physics, Anna University	May 2017-June 2017	Gomathy.P
Interns hip	Temperature of the Stars	Tamil Nadu Science and Technology Centre, Chennai	May 2017-June 2017	Illakiya E
Interns hip	Cobalt 60 in Radiation Therapy	Department of Radiation Oncology Christian Medical College, Vellore	May 2017-June 2017	Janani A
Interns hip	Summer Internship Programme Work on Global Electric Circuit	Equatorial Geophysical Research Laboratory, Tirunelveli	May 2017-June 2017	Jordan Magimai C
Interns hip	Non Destructive Testing (NDT) in Magnetic particle testing, Liquid penetrant testing and ultrasonic testing	NDT International Pvt Ltd	May 2017-June 2017	Kalpana M
Interns hip	LPG Sensor using ATMEGA 328 IR security alarm	Floranix	May 2017-June 2017	Kanimozhi S
Interns hip	Synthesis of manganese ferrites for cancer treatment	Crystal Growth Centre , Anna University	May 2017-June 2017	Keerthana S.P.
Interns hip	Study on stars and galaxies	Tamilnadu Science and Technology Centre,	May 2017	Madhuvanathi S.S



		Chennai		
Interns hip	Radiation therapy – linear accelerator	Department of Radiation Oncology Christian Medical College, Vellore	May 2017	Mahalakshmi. C
Interns hip	Brief study on crystal growth	Crystal Growth Centre , Anna University	May 2017	ManjuBharathi A
Interns hip	Basics of Diagnostic devices	Khoula Hospital Oman	May 2017	Milu Susan Idicula
Interns hip	LPG Sensor using ATMEGA 328 Automatic night lamp with morning alarm	Floranix	May 2017	Nivetha V
Interns hip	Sun as a black hole	Tamilnadu Science and Technology Centre, Chennai	May 2017	Padmini M
	Comparison of fluxes of galaxies			Sakshi Joshi A
Interns hip	Non Destructive Testing (NDT) in Magnetic particle testing, Liquid penetrant testing and ultrasonic testing	NDT International Pvt Ltd	May 2017	Sruthi R
				Subarna S
Interns hip	Computed Topography Imaging	Department of Radiology Christian Medical College, Vellore	May 2017	Subashini L.S.
Interns hip	A study on atmospheric variables using re- analysis datasets	Department of Medical Physics, Anna University	May 2017	Suganthi G
Interns hip	Physics Training and Talent Search (PTTS), a two-week residential programme funded by Triveni Educational Trust, Allahabad and	Loyola College ,Chennai	22nd May – 5th June, 2017.	Susan M. Jacob

	Institute of Mathematical Sciences , Chennai			
Internship	1.Summer Training programme in Physics (STPIP – 2017)  2. Ultrasound imaging	The Academy of Sciences, Chennai & Department of Nuclear Physics, University of Madras and sponsored by the Science City, Chennai. Noble Diagnostic centre, Villupuram	May 26 to June 15, 2017  May 2017	Tamil selvi. S
Internship	Dual tone horn (Siren) Darkness activated night lamp using LDR & ATMEGA 328	Floranix	May 2017	Vinisha Navis R
Internship	Fundamentals of magnetic resonance imaging technique and positron emission topography	Vijaya Group of Hospitals	May 2017	Yamini P
Student Project	Line following robot using IR sensor and At mega 328	Floranix	November 2017 – March 2018	Aileen Vincy G
Student Project	Automatic wind shield wiper action using servo motor			Dharani. B
Student Project	Biosynthesis of Zinc-oxide – copper oxide composites using garlic extract and its antibacterial effect on some pathogenic bacteria.	Women’s Christian College	November 2017 – March 2018	Eunice Devakirubai

Student Project	Fluorescence spectroscopy- Characterization and discrimination of urinary disinfection Bacteria- Stephylococcus at 280nm excitation.	Anna University (Department of Medical Physics)	November 2017 – March 2018	Gomathy.P
Student Project	Spectroscopic analysis of active galaxies	Tamilnadu Science and technology center (B.M. BIRLA PLANETORIUM)	November 2017 – March 2018	Illakiya E
Student Project	Automatic Toll gate access control using LDR sensor and AT mega 328	Floranix	November 2017 – March 2018	Janani A
Student Project	Wettability and adhesion of protein to solid surface – A simple model to design biomaterials	Central Leather Research Institute	November 2017 – March 2018	Jordan Magimai C
Student Project	Investigation on the magnetically separable Dy substituted nickel ferrite nanoparticles with enhanced photo-Fenton degradation.	Loyola College	November 2017 – March 2018	Kalpana M
Student Project	Solar tracker using LDR and servo motor.	Floranix	November 2017 – March 2018	Kanimozhi S
Student Project	Synthesis and characterization of TiO <sub>2</sub> nanorods by spin coating.	Anna University (Crystal Growth Center)	November 2017 – March 2018	Keerthana S.P.
Student	Optical variability of Blazars	Anna University (Department of Medical	November 2017 – March 2018	Mahalakshmi. C

Project		Physics)		
Student Project	Diagnosis of oral malignancy using Raman Spectroscopy	Tamilnadu Science and technology center (B.M. BIRLA PLANETORIUM)	November 2017 – March 2018	Madhuvanathi S .S
Student Project	Synthesis and characterization of TiO <sub>2</sub> particles	Anna University (Crystal Growth Center)	November 2017 – March 2018	ManjuBharathi A
Student Project	Synthesis of pervoskite oxide for photo ferroelectric applications	Women’s Christian College	November 2017 – March 2018	Milu Susan Idicula
Student Project	Breath analyzer using embedded microcontroller Atmega 328	Floranix	November 2017 – March 2018	Nivetha V
Student Project	Sink and source equidistant from earth	Tamilnadu Science and technology center (B.M. Birla Planetorium)	November 2017 – March 2018	Padmini M
	Expansion of universe			Sakshi Joshi A
Student Project	Improvement in magnetic behaviour of magnesium doped nickel zinc nano ferrites via co-precipitation route	Loyola College	November 2017 – March 2018	Sruthi R
	Synthesis and characterization of Cu <sub>2</sub> SnS <sub>3</sub> nanoparticles via hydrothermal process.			Subarna S
Student Project	Android based appliance control using mobile Bluetooth interface	Floranix	November 2017 – March 2018	Subashini L.S.

	with Atmega-328			
Student Project	Synthesis of ZnO doped with copper acetate and nickel acetate nanorods	University of Madras	November 2017 – March 2018	Suganthi G
Student Project	Synthesis of lead free piezoelectric for high temperature transducer application	Women's Christian College	November 2017 – March 2018	Susan M. Jacob
Student Project	Synthesis of ZnO doped with copper acetate and nickel acetate nanorods	University of Madras	November 2017 – March 2018	Tamilselvi. S
Student Project	Preparation, characterization and antibacterial activity of Zinc oxide and Tin oxide composites using Aloe vera Biotemplate	Women's Christian College	November 2017 – March 2018	Vinisha Navis R
Student Project	Fluorescence Spectroscopy – Characterization and discrimination of urinary tract infection bacteria E. coli at 280nm excitation.	Anna University (Department of Medical Physics)	November 2017 – March 2018	Yamini B
M.A. HRM				
1	Internship and Placement Partner	Exclusive Search Recruitment Consultants	3 Years From 2017 to 2020	Students
2	Internship, Guest Lectures/Workshops/Seminars, Research Partner and Scholarship	Centre for Women's Solidarity Network	3 Years From 2017 to 2020	Students

	<b>Program</b>			
3	Internship, Guest Lectures/Workshops/Seminars and Placement Partner	Manpower Group Services India Pvt Ltd	3 Years From 2017 to 2020	Students

**3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year**

<b>Organisation</b>	<b>Date of MoU signed</b>	<b>Purpose and Activities</b>	<b>Number of students/teachers participated under MoUs</b>
English			
<ul style="list-style-type: none"> <li>• Karadi Path Education Company</li> <li>• Prajnya NGO</li> <li>• Madras Players</li> </ul>	<p>31.05.17</p> <p>30.0517</p> <p>Sept 2017-March 2018</p>	<p>English Language Research</p> <p>Community Service</p> <p>Theatre Training</p>	<p>2 students, 2 teachers</p> <p>18 students, 1 teacher</p> <p>7 students, 1 teacher</p>
Mathematics			
Tamilnadu Science and Technology Centre	5 September 2017	<ul style="list-style-type: none"> <li>• Sky Observation Classes conducted by Tamilnadu Science and Technology Centre during astronomical events as well as on a regular basis to observe the night sky through Telescopes.</li> <li>• Guest Lectures by Scientific Professionals</li> </ul>	

		<p>from TNSTC on campus.</p> <ul style="list-style-type: none"> <li>• Internship for students during summer vacation at TNSTC.</li> <li>• WCC would offer technical support by way of providing inputs for the panels/displays in the permanent/temporary Science Galleries of TNSTC, when they are developed newly or when they are refurbished at Chennai.</li> </ul> <p>WCC would depute resource persons at the time of Science Conferences/Seminars/Lecture programmes organized by TNSTC.</p>	
PBB			
Care Earth Trust	May 2017	Vegetation mapping using GIS tools	On 27 June, 2017 a workshop was arranged and 45 third year students participated along with 7 faculty. Dr S N Prasad and Dr Ramamurthy from OsGeo, Hyderabad gave lectures.

			5 students went for on the job training in May 2018.
C P Ramasami Environment Education Centre	May 2017	Medicinal plants and Ethnobotany	A guest lecture was organised for the IIIrd year Core Elective. Dr. P. Sudhakar, Joint Director, CPREEC spoke on the medicinal plants used for various ailments, the threat to their conservation and a need for a platform to regulate availability of such plants in the market.
Pithavadian and Partners	May 2017	Green Building	Planned for August 2018
B.Sc. AZBT			
Swins-i-fosys	(In process)	Medical transcription, coding, billing, and insurance	
Psychology			
Kingdom Kids learning centre & Believers school of education, a Unit of Kingdom Trust, Chennai - 49	2017	Conducting Certificate course in Psychology department at Women's Christian College	1 teacher
East West Center for Counselling No.14, 2nd Avenue, Harrington Road, Chetpet, Chennai - 600031	2017	Conducting Diploma in Psychology department at Women's Christian College	1 teacher
Languages			
Inaword centre for languages	28.02.2018	To conduct foreign languages courses for our students in Spanish, German & Mandarin	The courses will be offered in 2018-19
B.Com A&F			
The Princeton Review, U.S.A	2018	IELTS	NIL



- Manya Education PVT. LTD.,		GMAT	
PG Biotech.			
BIOTECHNIKA	April 2018	To coach students for Competitive Exams	12
M.Sc. Mathematics			
Adhityaa Infomedia Solutions	February 2015 - 2018	To pave the way for industry integrated learning and students for better practical knowledge and hands-on- experience in programming	I and II M.Sc Students
TNSTC	5 <sup>th</sup> September 2017	To pave the way for Science and Astronomical enrichment study programs for students	I and II M.Sc Students
M.A. Communication			
Stone Bench Pvt. Ltd.	2017		
M.A. HRM			
Exclusive Search Recruitment Consultants	30.05.2017	Internship and Placement Partner	10
Centre for Women's Solidarity Network	30.05.2017	Internship, Guest Lectures/Worksho ps/Seminars, Research Partner and Scholarship Program	5
Manpower Group Services India Pvt Ltd	30.05.2017	Internship, Guest Lectures/Worksho ps/Seminars and Placement Partner	25

**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES****4.1 Physical Facilities****4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year**

<b>Budget allocated for infrastructure augmentation</b>	<b>Budget utilized for infrastructure development</b>
930.1389 lakhs	930.1389 lakhs

**4.1.2 Details of augmentation in infrastructure facilities during the year**

<b>Facilities</b>	<b>Existing</b>	<b>Newly added</b>
Campus area	20.21	-
Class rooms	52	24
Laboratories	30	-
Seminar Halls	5	7
Classrooms with LCD facilities	36	5
Classrooms with Wi-Fi/ LAN	18	-
Seminar halls with ICT facilities	4	7
Video Centre	-	-
No. of important equipment purchased ( $\geq 1$ -0 lakh) during the current year.	18	16
Value of the equipment purchased during the year (Rs. in Lakhs)	258.97	42/05
Others		

**4.2 Library as a Learning Resource****4.2.1 Library is automated {Integrated Library Management System -ILMS}**

<b>Name of the ILMS software</b>	<b>Nature of automation (fully or partially)</b>	<b>Version</b>	<b>Year of automation</b>
Autolib (Integrated Library Management Software) – Web based advanced edition	Fully automated	5.5	2002

**4.2.1 Library Services:**

	<b>Existing</b>		<b>Newly added</b>		<b>Total</b>	
	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>
Text Books	1743	496109/-	30	18050/-	1773	514159/-
Reference Books	88916	10036381.25	1109	528367/-	90125	10564748.25
e-Books	3218800	1812102/-	10617	313881/-	3229417	2125983/-
Journals	60 (titles)	480751/-	2	74425/-	62	565176/-
e-Journals	10004	1812102/-	1046	313881/-	11050	2125983/-
Digital Database	4	1912102/-		313881/-	4	2225983/-
CD & Video	1184	123500/-	30	3000/-	1214	126500/-

Library automation						
Weeding (Hard & Soft)						
Others (specify)						

**4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc**

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content
Dr Maria Margaret Joseph	e-pg-Pathshala Project for Foods & Nutrition - Food Science modules (6)	UGC-e-Pathshala	NA
Dr J Shajini Judith Diana	e-pg-Pathshala Project for Foods & Nutrition - Food Science modules (7)	UGC-e-Pathshala	

**4.3 IT Infrastructure**

**4.3.1 Technology Upgradation (overall)**

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	688	457		31		69	131	2	
Added	24					1	23	2	
Total	712	457		31		70	154	4	

**4.3.2 Bandwidth available of internet connection in the Institution (Leased line)**

**Broadband Lines**

1. VPNoBB connectivity under NMEICT project – BBVPN NME 10 MBPS – 2 Nos.
2. BSNL 100 MBPS 500GB
3. BSNL 100 MBPS 500GB

**4.3.3 Facility for e-content : NIL**

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility

<b>4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives &amp; institutional (Learning Management System (LMS) etc</b>			
<b>Name of the teacher</b>	<b>Name of the module</b>	<b>Platform on which module is developed</b>	<b>Date of launching e - content</b>
Dr Maria Margaret Joseph	e-pg-Pathshala Project for Foods & Nutrition - Food Science modules (6)	UGC-e-Pathshala	NA
Dr J Shajini Judith Diana	e-pg-Pathshala Project for Foods & Nutrition - Food Science modules (7)	UGC-e-Pathshala	NA

<b>4.4 Maintenance of Campus Infrastructure</b>			
<b>4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year</b>			
<b>Assigned budget on academic facilities</b>	<b>Expenditure incurred on maintenance of academic facilities</b>	<b>Assigned budget on physical facilities</b>	<b>Expenditure incurred on maintenance of physical facilities</b>
72.96 lakhs	69.58 lakhs	474.67 lakhs	397.14 lakhs
<b>4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)</b>			
<a href="https://wcc.edu.in/wp-content/uploads/2018/IQAC/Operating-Procedures-for-facility-use.pdf">https://wcc.edu.in/wp-content/uploads/2018/IQAC/Operating-Procedures-for-facility-use.pdf</a>			
<b><u>Maintenance of Physical, Academic and Support Facilities:</u></b>			
<p>The Women’s Christian College Association constitutes various committees such as the Building Committee, the Purchase Committee and the Working Committee which consist of experts. These committees meet periodically to review the requirements and take decisions on the necessary action plan to execute the needs with respect to the repair and maintenance of infrastructure facilities and services.</p> <p>The college has appointed a designated Maintenance Manager, who is in charge of maintenance of buildings, classrooms and laboratories. He also ensures proper upkeep of physical ambience. Major works are undertaken by contractors selected and appointed by the Building Committee.</p> <p>Regular maintenance of laboratories and classrooms is taken care of by the Lab Assistants and support staff in every department. System Technicians help maintaining the computers and accessories in laboratories, departments and administrative offices of the College. Optimal utilization is ensured by shared usage of classrooms, laboratories, library and multi utility facilities by students of Shifts I &amp; II functioning from 8 a.m. to 5.30 p.m.</p>			

- Class rooms are booked through Intranet.
- Booking registers for all Seminar halls are maintained for effective academic usage.
- Official letters are forwarded to the respective Heads of the Departments for utilizing their Class room / Lab facility

Complaints of non-functional facilities and requests for Computer /network support Electrical, plumbing and carpentry work are recorded in separate registers maintained for the purpose and staff in charge are expected to attend to the complaints and give a report of action taken countersigned by the head of department or person who had reported the complaints.

Procedure for Purchase, maintenance and disposal of computers and e-resources has been put in place as part of the IT policy of the College

**Maintenance initiatives:**

- Annual Maintenance Contracts for Lifts, Generators, A/C units, UPS, Intercom facilities
- R.O Plant is serviced every 6 months since its installation
- Pest control measures are undertaken every month in all the Resident Halls and as when required in other buildings on campus.
- Waste Disposal – food, biological, chemical, e-waste
- Reducing & Recycling- vermicomposting pit
- Separate Incinerator is used for disposal of sanitary napkins

**CRITERION V - STUDENT SUPPORT AND PROGRESSION**

**5.1 Student Support**

**5.1.1 Scholarships and Financial Support**

	Name /Title of the scheme	Number of students	Amount in Rupees
<b>Financial support from institution</b>		297	10.53 lakhs
<b>Financial support from other sources</b>			
<b>a) National</b>		432	35.38 lakhs
<b>b) International</b>	Scranton	5	1.3998 lakhs

**5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,**

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
B.Sc. Mathematics			
Remedial coaching	July 2003	8	Department of Mathematics
B.Sc. Physics			

1. Enhancing Personality(UI D/SK/01)		24	Teaching staff
2. Computing Skills in Physics (UPH/SK/02)		24	Teaching staff
PBB			
Personality Enhancement	June 2017-Oct 2017	47	In house
Computer Fundamentals for Biologist	Nov 2017-April 2018	47	
Mushroom Cultivation	Nov 2017-April 2018	28	
Personal Counselling	June 2017-April 2018	135	
Psychology			
Personal counselling		341	Student Counseling Centre - Vikaas
Group Counseling		15	Student Counseling Centre – Vikaas
Soft skill development/Employ ability			
• I Can – Self-Esteem		28	Student Counseling Centre – Vikaas
• Conflict resolution skills	20.7.2017	30	
• Career Decision Making	29.8.2017	65	
• Communication skills	1.9.2017	42	
• Body Image - Project	7.9.2017	65	
• Assertiveness			
• Healthy Relationships	13.10.2017	59	
• Self-discipline	17.10.2017	55	
• Choices and Consequences	9.11.2017	48	
• Work Ethics	23.1.2018	40	
	30.1.2018	48	
• PBCS	27.2.2018		Dr. M. Kanchana Department of psychology

<ul style="list-style-type: none"> <li>• Application of Behaviour Modification Technique</li> <li>• Dyslexia</li> <li>• Christian counseling</li> </ul> <p>Yoga</p> <p>Mentoring</p>	July-October 2017	26	Ms. Sarah Sruti Lall Department of psychology
	July-October 2017	26	Kids Learning Centre
	July – October 2017	16	Dr. Zarina A Department of psychology
	20.3.2018	9	Ms. Sandhya from Krishnamachari Yoga Mandiram
	November 2017-April-2018	26	Dr. Veena Easvaradoss Dr. S. Usharani
		2	
<b>Languages</b>			
Atelier Pedagogique – A workshop for school on college teachers on the use of e-resources in teaching French	1 July 2017	36 Teachers With 4 resource persons	IATF (Indian Association of Teachers of French) and the Representation of the Embassy of France in Chennai
<b>Tamil</b>			
Language lab for Journalism course	June 2016	30	In house
<b>B.Com.</b>			
Being Pro-Active	29 <sup>th</sup> Jan 2018	80	Lighthouse Leadership Talent Management Pvt. Ltd
Entrepreneurship Development”	13 <sup>th</sup> February, 2018	72	Rajalakshmi Engineering College
Stress Management	February 16 <sup>th</sup> ,2018	150	Merit Software Services Pvt. Ltd
<b>B.Com CA</b>			
Remedial coaching	2017-2018	17	In house
<b>Viscom</b>			
Career orientation programme was organized for the final year students on	On 7 <sup>th</sup> February, 2018	45	Ms Keerthy, Creative Director of Smitten Designs.

'Expectations from Graphic Designer'			Contact No: 90030 64998
One day Guest Lecture was organized for the second year students on digital Pre press	31 <sup>st</sup> March, 2017	45	Harif Mohamed, Chief Artist and Infographer in Ananda Vikatan Contact No: 9789061097
One day guest Lecture was organized for the First year students for the course Drawing	3 <sup>rd</sup> October, 2017	48	Mr. Govindarajulu, winner of Best Artist award Contact No: Mr. Ranjith 9841031093
One day guest Lecture was organized for the First year students for the course Drawing	5 <sup>th</sup> October, 2017	48	Mr. Shiva, Freelance Art Director
IT			
Aptitude Development Skill	23/07/18 To 31/07/18	28	SRM Axis Intellects Pvt Ltd, Chennai
Cyber Security	05/01/18 To 21/03/18	11	Eastern Shepherd International Company
Digital Marketing		04	
PG Maths			
1. Quantitative Aptitude and Logical Reasoning	January 2018	51	No
2. Personal Counselling	September 2017 February 2018	66 (I and II M.Sc Students)	No
3. Mentoring	November 2017-March 2018	28 (M.Sc Project)	No
4. Certificate Course	January 2018-March 2018	51	No
Sambhashaniya Hindi – PG skill based course	November 17	17	Hindi dept- Shift 2
Français parlé- PG skill based course	June 17	50	French dept- shift-2
Français parlé- PG skill based course	November 17	18	French dept- shift-2



Mentoring under the Advisor – Advisee System	2017-18	All students	Every faculty mentors 15-25 students each

**5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year**

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-18	-	-	450	-	450

**5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year**

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
1	1	Within 7 days

There is a mechanism for redressal of student grievances. The student has the right to appeal on grievances pertaining to academics and marks. She will first appeal to the course teachers soon after receiving the valued paper if the grievance is regarding Continuous Internal assessment. If additional clarification is required the student will appeal to the Head of the Department. If unsatisfied she may make a written appeal to the Principal within 24 hours of receiving the marks. Issues relating to end semester marks are represented to the controller of examinations in writing.

Ragging is prohibited and any incident of ragging may be reported to the principal through email or a written complaint dropped in a black box kept at the Principal's office. This is then taken up for redressal through the Ragging redressal committee set up as per statutory norm and comprising of the Principal, vice principal, Dean of Shift II, Deans of Student services and Residents, Chairperson of residents, hostel wardens, University registrar and local police Inspector.

Other grievances including complaints of bullying, harassment, sexual harassment etc. of students,

faculty and non-teaching staff are taken up by the internal complaints committee comprising of the Dean of Centre for Women's studies, four senior faculty and a legal advisor. Complaints are to be recorded in writing within seven days of the harassment incident and the committee conducts an enquiry and presents a report for action.

Students are oriented to the grievance redressal mechanism through the college handbook, during orientation, announcements on the PA system and during assembly programs. Orientation on the mechanism is also communicated to faculty and non-teaching staff.

## 5.2 Student Progression

### 5.2.1 Details of campus placement during the year

On campus			Off Campus
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
18	2428	436	14

### 5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017-18	9	B.A	History	<ol style="list-style-type: none"> <li>1. Loyola College</li> <li>2. Stella Maris</li> <li>3. Bharathiyar University</li> <li>4. Hyderabad central University</li> <li>5. Madras School of Social work</li> <li>6. Anna University</li> <li>7. Pondicherry University</li> <li>8. St.Josephs College Bangalore</li> <li>9. Ambedkar College</li> </ol>	MSW MA Int.Studies MA History MA History MSW MBA MA History Law LLB

2017 - 2018	20	BA English	English	<ol style="list-style-type: none"> <li>1. University of Madras,</li> <li>2. EFLU (Hyderabad),</li> <li>3. Loyola College of Education,</li> <li>4. Christ College,</li> <li>5. St. Christopher's College of Education,</li> <li>6. Madras Christian College,</li> <li>7. Stella Maris,</li> <li>8. Madras School of Social Work</li> <li>9. Karunya University,</li> <li>10. Mahatma Gandhi University, Kottayam</li> </ol>	MA English, MA ELT, MA Linguistics, MA Mass Communication, MA International Studies MA Journalism, B.Ed, Masters in Social Work
2014 - 2017	28	B.Sc	Mathematics	<ol style="list-style-type: none"> <li>1. St. John's college</li> <li>2. Madras University</li> <li>3. MCC</li> <li>4. Anna Adharsh College</li> <li>5. Periyar University</li> <li>6. Meenakshi College</li> <li>7. SCSVMV University</li> <li>8. DG Vaishnav</li> <li>9. College</li> <li>10. St. Christopher 's College of Education</li> <li>11. St.Thomas College Of Education</li> <li>12. Vishwasena College</li> <li>13. Jeya College</li> <li>14. Loyola College</li> <li>15. VIT vellore</li> <li>16. Image Creative Education</li> <li>17. ICAI</li> </ol>	M.Sc Maths B.Ed M.Sc Acturial Science M.Sc Statistics MBA Animation course CA M.Sc. Cyber Forensic Science
2014- 2017	23	B.Sc.	Physics	<ol style="list-style-type: none"> <li>1. University of Stuttgart, Germany</li> <li>2. University of Bonn, Germany</li> <li>3. NIT,Trichy</li> <li>4. Pune University</li> <li>5. University of Madras</li> <li>6. VIT University, Vellore</li> <li>7. MGR University</li> <li>8. Bharathidasan University</li> <li>9. Sathyabama University, Chennai</li> </ol>	M.S/M.Sc

				<ul style="list-style-type: none"> <li>10. Thiruvallur University</li> <li>11. Madras Christian College, Chennai</li> <li>12. Women's Christian College, Chennai</li> <li>13. DG Vaishnav College, Chennai</li> <li>14. Meenakshi College for Women, Chennai</li> <li>15. Auxillium College</li> </ul>	
2015-2018	30	B. Sc.	Chemistry	<ul style="list-style-type: none"> <li>1. Women's Christian College</li> <li>2. Madras Christian College</li> <li>3. Stella Maris College</li> <li>4. D G Vaishnav</li> <li>5. Karunya University</li> <li>6. Barath University</li> <li>7. Vels University</li> <li>8. Annamalai University</li> <li>9. Anna University</li> <li>10. PSG College of Arts and Science</li> <li>11. VIT Vellore</li> <li>12. DG Vaishnav College</li> <li>13. Sathyabama University</li> <li>14. Venkateshwara College</li> </ul>	PG Chemistry
2018	35	BSc Botany	Plant Biology and Plant Biotechnology	<ul style="list-style-type: none"> <li>1. St. Paul's IAS Academy, Kanyakumari</li> <li>2. Madras Christian College, Chennai</li> <li>3. Ethiraj College for Women, Chennai</li> <li>4. Stella Matutina College of Education</li> <li>5. Women's Christian College, Chennai</li> <li>6. Sathyasai College, Chennai</li> <li>7. TCS</li> <li>8. Bharathiar University, Coimbatore</li> </ul>	<ul style="list-style-type: none"> <li>IAS exam coaching</li> <li>M.Sc. PBPB</li> <li>B.Ed.</li> <li>M.Sc. Biotechnology Training</li> <li>M.Sc. Botany</li> <li>B.PEd (Bachelor of Physical Education)</li> <li>MSW HR</li> <li>MBA</li> </ul>

				<p>9. Saveetha University, Chennai</p> <p>10. Madras School of Social Work, Chennai</p> <p>11. GRG School of Management Studies, Coimbatore</p> <p>12. Loyola College, Chennai</p> <p>13. ESSM College of Arts and Science, Thiruvallur</p> <p>14. Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore</p> <p>15. Bishop Heber College, Trichy</p> <p>16. Nazerath College of Education for Woman, Chennai</p> <p>17. Swinsifosys, Chennai</p> <p>18. Shankar IAS Academy</p> <p>19. DELL NTT DATA ( DLF IT SEZ Park, Porur), Chennai</p> <p>20. University of Madras, Chennai</p> <p>21. Race Institute, Chennai</p> <p>22. Suresh IAS Academy, Tuticorin</p> <p>23. CSI Bishop Newbiggin College of Education, Chennai</p> <p>24. Indian School of Business, Hyderabad</p> <p>25. Accenture, Chennai</p> <p>26. St. Christopher's College of Education, Chennai</p> <p>27. PSG College of Arts and Science, Coimbatore</p> <p>28. St. Joseph's College of Technology, Chennai</p>	<p>MSW</p> <p>M.A.</p> <p>Communication</p> <p>B. Ed.</p> <p>Biological Science</p> <p>Medical Coding Training</p> <p>UPSC exam coaching</p> <p>Sr. Medical Coder</p> <p>M.A. H.R.M</p> <p>Bank Exam coaching</p> <p>Bank Exam coaching</p> <p>MSW specialization in Medical and Psychiatry</p> <p>MBA Transaction Process Representative</p>
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2017-18	18	B.Sc.	Advanced Zoology and Biotechnology	<ol style="list-style-type: none"> <li>1. Madras Christian College</li> <li>2. Sudha - Delhi</li> <li>3. Loyola College</li> <li>4. Pachaiyappa's College</li> <li>5. Loyola College of Education</li> <li>6. Shamita - Kerala</li> <li>7. Divya Bharathi</li> <li>8. Christophers College of Education</li> <li>9. VIT</li> <li>10. MCC</li> <li>11. Women's Christian College</li> </ol>	<p>M.Sc. Zoology</p> <p>M.Sc. Advanced Zoology and Biotechnology</p> <p>B.Ed MSW</p> <p>M.Sc. Biotechnology</p>
2014-17	41	B.Sc.	Home Science	<ol style="list-style-type: none"> <li>1. Women's Christian College</li> <li>2. Loyola College</li> <li>3. MMM College of health science</li> <li>4. MOP Vaishnav college for women</li> <li>5. Pondicherry University</li> <li>6. Manipal academy of higher education</li> <li>7. Justice Basheer Ahmed Syed college for women</li> <li>8. Lady Irwin college</li> <li>9. Symbiosis International University, Pune</li> <li>10. Spastic Society Of Karnataka</li> <li>11. Madras Medical Mission Moggapair Chennai</li> <li>12. Annai Veilankanni College Saidapet</li> <li>13. Vels University</li> <li>14. PSG College Of Arts And Science Coimbatore</li> <li>15. Snd Women's University Juhu Mumbai</li> </ol>	<p>M.Sc. food service management and dietetics.</p> <p>M.Sc Food Chemistry and Processing</p> <p>MSc Clinical Nutrition</p> <p>M.Sc. food technology</p> <p>M.Sc. Dietetics and Applied Nutrition</p> <p>Msc. Textile science and fashion designing</p> <p>M.Sc. Food and Nutrition</p> <p>D.Ed. Special Education (Asd)MA (HRM)MSc. Culinary Arts</p>
	5	M.Sc.		<ol style="list-style-type: none"> <li>1. Women's Christian College</li> <li>2. Sri Ramachandra Medical</li> </ol>	<p>M.Phil (Foods &amp; Nutrition)</p>

				College and University	M.Phil(Food Service Management) R.D Internship
2016-2018	23%	MSc. Applied Psychology	Psychology	<ol style="list-style-type: none"> <li>1. Avinashilingam University</li> <li>2. Sri Ramachandra Medical College</li> <li>3. University of Madras</li> <li>4. Women's Christian college</li> </ol>	MPhil counselling psychology Mphil Clinical Psychology Mphil Psychology
2015-2018	85%	BSc. Psychology	Psychology	<ol style="list-style-type: none"> <li>1. Christ (Deemed to be University)</li> <li>2. Pondicherry University</li> <li>3. Manipal University</li> <li>4. Madras School of Social Work</li> <li>5. University of Madras</li> <li>6. Justice Basheer Ahmed Sayeed College for Women</li> <li>7. Kingston University(UK)</li> <li>8. Vels University</li> <li>9. Women's Christian College</li> <li>10. Kristu Jayanthi College, Bengaluru</li> <li>11. Stella Maris College for Women</li> </ol>	MSc. Psychology (Clinical) MSc. Psychology (Counselling) MSc. Behavioural Science M.Sc Applied Psychology MSc Clinical psychology M.A HRM MSW Medical and Psychiatric SW (Aided) MSc. Counselling Psychology M.Sc. Occupational Business Psychology With Integrated Placement MBA HR M.A. History of Fine Arts
	1 – MA French	B.A.	English	EFLU, Hyderabad	M.A. French

2017 - 2018	25	B.Com (General A)	Commerce	<ol style="list-style-type: none"> <li>1. Australian National University,</li> <li>2. Indo German Training Centre,</li> <li>3. Amity Global Business School,</li> <li>4. Madras Christian College,</li> <li>5. Loyola College,</li> <li>6. WCC,</li> <li>7. CMR University,</li> <li>8. University of Waikato New Zealand,</li> <li>9. SRMIST</li> </ol>	M.B.A, M.Com, PGPBA, Masters in Management Studies (Finance), LLB, CA, CMA
2018	19	B.Com General	Commerce	<ol style="list-style-type: none"> <li>1. Loyola College</li> <li>2. Women's Christian College</li> <li>3. MSSW</li> <li>4. SRM College</li> <li>5. MGR University</li> </ol>	MBA M.Com M.A. HRM
2014-2017	15	B.Com	Honors	<ol style="list-style-type: none"> <li>1. MCC</li> <li>2. WCC</li> <li>3. BMCC</li> <li>4. Stella Marys</li> <li>5. ICAI</li> <li>6. CIMA</li> <li>7. ISDC</li> <li>8. St. Joseph College</li> <li>9. AJ college (Sivakasi)</li> </ol>	MCom MA.Hrm M.Com M.Com CA CMA ACCA MBA M.COM
2014-17	27	B.Com	CA	<ol style="list-style-type: none"> <li>1. Anna University</li> <li>2. ICAI</li> <li>3. Loyola</li> <li>4. MOP Vaishnav College</li> <li>5. XIME, Bangalore</li> <li>6. St. Joseph</li> <li>7. Stella Maris</li> <li>8. W.C.C</li> <li>9. YMCA College</li> <li>10. Ethiraj</li> <li>11. Panimalar Engineering</li> <li>12. Madras University</li> <li>13. ICAI</li> <li>14. ICMA</li> </ol>	MBA Chartered Accountant M.Com PGDM MBA (HRM) PGDGBF M.A HRM B.Ed M CMA MBA (HR E Market)



				15. BSACIST 16. Kamaraj University 17. PULC	
2017	34	BA Corporate Economics	Corporate Economics	1. MSSW 2. Teri University 3. Loyola 4. ICAI 5. Stella Maris College 6. WCC 7. Loyola-PULC 8. D.G.Vaishnav 9. University of Madras 10. MCC 11. Madras School of Economics 12. SRM University 13. Anon 14. EDHEC Paris 15. ICAI 16. Madras School of Economics 17. Anna University 18. Pondicherry University 19. Jain College Bangalore 20. MOP Vaishnav College 21. Ethiraj 22. University of Warwick	MHRM M.Sc.Water science and Governance M.A. Economics CA INTER M.A.Communic ations MBA General M.A.HRM M.A. Econometrics MSW(HR) M.A. Acturial Economics Economics Fashion Designing MIM CA Internship-NK Bhansali Pursuing company secretary(CS) M.A. Environmental Economics Media management M.Com.B&I Masters' in Behaviourial Economics
2017	6		BCA	1. WCC 2. St.Joseph's College of Engineering GRD College Of Arts And Science 3. Madras University 4. Ethiraj College	MSC IT MCA MBA
2018	13	B.Sc., Visual	Visual	1. MOP Vaishnav College for	MBA Media

		Communication	Communication	<p>Women,</p> <ol style="list-style-type: none"> <li>2. Davinci Media College, Chennai,</li> <li>3. Asian College of Journalism, Chennai,</li> <li>4. FAD International, Mumbai,</li> <li>5. Christ University, Bangalore,</li> <li>6. Hindustan University</li> </ol>	<p>and Entertainment</p> <p>M.A Media Management</p> <p>P.G Diploma in VFX</p> <p>Diploma in Fashion Styling</p> <p>M.A in Media and Communication with Advertising and Corporate Communications</p> <p>M.A English with Communication Studies</p> <p>PG Diploma in Journalism</p>
2017-2018	8	M.Sc.	PG Maths	<ol style="list-style-type: none"> <li>1. Madras University</li> <li>2. Vidhya Sagar Women's College of Education,</li> <li>3. Government College of Education, Coimbatore,</li> <li>4. St. Christopher's College of Education,</li> <li>5. NVKS College of Education,</li> <li>6. TVM College of Education</li> </ol>	M.Phil. B.Ed.
2017 - 2018	13	B.Sc. Computer Science	Computer Science	<ol style="list-style-type: none"> <li>1. Indira Gandhi College</li> <li>2. MNM Engg College</li> <li>3. Music Lounge</li> <li>4. NIT,</li> <li>5. Trichy S A Engg College</li> <li>6. Sivanthi College of</li> </ol>	<p>B.Ed. MBA (HR &amp; MKT)</p> <p>Dip. Sound Engg M.Sc.</p> <p>Computer Science. MSW</p>

				Education 7. SRM IST 8. Stella Maris College 9. University of Madras 10. WCC	M.Sc. Cyber Forensics, M.Sc. CyberForensics & IS MA HRM
2017-2018	11	BBA	BBA	1. XIME,Bangalore 2. VIT 3. MEASI 4. D.G.Vaishnav 5. WCC 6. Madras School Of Social Work	MBA MA.HRM MSW MA.SOCIAL ENTREPRENEURSHIP M.COM
2017 - 2018	03 students	M.Sc IT	Information Technology	1. Ethiraj College for Women 2. Quaid-e-Millath 3. Government College for Women	M.Phil Ph.D
	50 %	M. Sc. Biotechnology	PG & Research Department of Biotechnology	Women's Christian College	M.Phil. and Ph. D.
2017-2018	2	M.SC	Chemistry	1. VIT University, Vellore 2. NTUST, Taiwan	Ph.D Ph.D
2017-2018	7	M.Sc Physics	PG Department of Physics	1. Anna University, Chennai 2. Loyola College, Chennai 3. Vellore Institute of Technology 4. St. Christopher's College of Education 5. Stella Matutina College of Education 6. Anna University, Chennai	M.Phil Ph.D B.Ed
2018	2	MAHRM	Management Studies (MAHRM)	University of Madras	M.Phil

**5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)**

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	Home Science	
	Hasna Arshia A- Batch of 2016-18 (PG)	70008709
	Durga Priyadarshini- Batch of 2012-15 (UG)	70017078
	Saira Mariam- Batch of 2014 (UG)	69015555
	Benoite T Batch of 2015 (UG)	70008436
	Sujatha(UG)	69011827
	Lakshmi Thangavelu- Batch of 2014-16 (PG)	69015519
	Vinodha Evangeline- Batch of 2015-17 (PG)	69015183
	Sanghavi- Batch of 2016-18 (PG)	70007796
	Divya Raichu Jacob(PG)	37617042
	Presenta Rocheus(PG)	70007888
	Suzanna Cecil(PG)	70008732
	Amanda Joseph	70008776
	Priya	70017034
	Malini N	70017070
	Isabella Baxla	70016510
	Rajadarshini	7358018981
	1 (MA Comm) Psychology	
	3	70096361, 70846548, 70254903
	1 (MA HRM)	70011027
2 (MA ENG)	70001887, 70001027	
SET	1 (AZBT)	
	1 (MA Eng)	16123673
	1 (Viscom)	2123561
SLET	2(UG MAT)	
GATE		
GMAT		
CAT	4 (B.Com Hon)	7129922, 7041421, 7026457

GRE	1 (IT) 1 (Corp.)	
TOFEL	1 (PHY) 1 (IT) 1 (Corp)	0000000032452860
Civil Services		
State Government Services	1 - A. Keerthana (Tamilnadu Police) (CSC) 2 - Viscom	
Any Other		
IITJAM	1 (PHY)	PH316A181
IELTS	2 (PSY)	142185, 032405
Professional Certification from NISM – National Institute of Securities Market	36 (B.Com.)	Annexure I

**5.2.4 Sports and cultural activities / competitions organised at the institution level during the year**

Activity	Level	Participants
Volleyball	Inter-collegiate	M.O.P. Vaishnav College for Women Women's Christian College Stella Maris College SSS Jain College for Women Dr MGR Janaki College for Women Shri Krishnaswamy College for Women Sri Kanyaka Parameshwari Arts and Science College for Women Bharathi Women's College Annai Vailankanni College for Women Justice Basheer Ahmed Sayeed College for Women Quaid-e-Milleth Government Arts College for Women Queen Mary's College Chellammal College for Women
Handball	Inter-collegiate	Women's Christian College Stella Maris College Ethiraj College for Women Dr MGR Janaki College for Women Queen Mary's College
Throwball	Inter-collegiate	M.O.P. Vaishnav College for Women Women's Christian College Ethiraj College for Women Dr MGR Janaki College for Women Shri Krishnaswamy College for Women Sri Kanyaka Parameshwari Arts and Science College for Women

		Quaid-e-Milleth Government Arts College for Women Valliammal College for Women Annai Vailankanni College for Women Justice Basheer Ahmed Sayeed College for Women Kumararani Meena Muthiah College D.G. Vaishnav College
Ball badminton	Inter-collegiate	M.O.P. Vaishnav College for Women Ethiraj College for Women Women's Christian College Bharathi Women's College Annai Vailankanni College for Women Justice Basheer Ahmed Sayeed College for Women
Chess	Inter-collegiate	M.O.P. Vaishnav College for Women Stella Maris College Ethiraj College for Women Shri Krishnaswamy College for Women Valliammal College for Women Women's Christian College Bharathi Women's College Quaid-e-Milleth Government Arts College for Women Annai Vailankanni College for Women Sri Kanyaka Parameshwari Arts and Science College for Women

### 5.3 Student Participation and Activities

#### 5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/International	Sports	Cultural	Student ID number	Name of the student
2017-18	III place	National	Throwball	-	15PBB11	Divya Bharathi R, III PBB

#### 5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students play an active role in governance of the Student Body and have representatives who look into the cultural activities, games, extension activities and spiritual activities of students. They maintain discipline on campus and take an active role in keeping the campus clean. Every year an intercollegiate cultural festival totally managed by the student body titled 'Festive' is conducted where students raise funds, invite judges and students from other eminent institutions is a mega event in Chennai City. Students also take an active role in extension activities and are involved community projects of the College.

<b>5.4 Alumni Engagement</b>
<b>5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):</b>
Yes, the college has a registered Alumni Association (registered under the Societies Act), in which the staff and graduates of WCC are members. The Alumnae Association of WCC was started in the year 1917 by Dr. Eleanor McDougall. The College Alumni Association is an active body that meets regularly and organises events on campus. During the centenary celebrations the alumnae of the College donated an RO plant to meet the drinking water needs of the College community and also contributed Rs. 43 lakhs towards the centenary building. Alumni who now work in prestigious institutions give lectures and offer career guidance facilities for our students. They also run the McDougall Memorial Nursery School for underprivileged students.
<b>5.4.2 No. of registered Alumni:</b>
New members enrolled in 2017-18 : 1231
<b>5.4.3 Alumni contribution during the year (in Rupees) :</b>
2017-18 : Rs. 85,000/-
<b>5.4.4 Meetings/activities organized by Alumni Association :</b>
The Alumni Association met 12 times during the year 2017-18.  The following are the activities and contributions made by the Alumnae Association:  <ol style="list-style-type: none"> <li>1. Rivett Prize for best article in the Sunflower Magazine.</li> <li>2. Florence Theophilus Prize.</li> <li>3. Good Samaritan Fund to meet medical expenses.</li> <li>4. Elizabeth George Scholarship to a student of WCC joining the St. Christopher's Training College.</li> <li>5. Maintenance of WCC Outreach Centre.</li> <li>6. Maintenance of College Clock Tower.</li> <li>7. Scholarship of Rs.40,000/- extended to the children of the support staff of WCC.</li> <li>8. Alumnae of the year award in recognition of services rendered to the community.</li> <li>9. Publication and distribution of the Alumnae Sunflower.</li> <li>10. Conduct of Food Fair to raise funds for the McDougall Memorial Nursery School.</li> <li>11. Initiation Ceremony of the passing out students into the Alumnae Association</li> <li>12. Farewell to retiring Faculty and staff.</li> <li>13. Homecoming for the Alumnae organised by the college</li> </ol>

**CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT****6.1 Institutional Vision and Leadership****6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)**

The College promotes decentralization and participative management that develop second level leadership while also making the management process simpler, quicker and more transparent. This year three new administrative leadership roles were initiated. A centre for environmental studies was inaugurated and the post of Dean was created to spearhead sustainability and green initiatives on campus .The Dean works in collaboration with the faculty and student coordinators of the Eco club in planning and implementing various programs that reflect the College’s commitment to environmental sustainability. The Dean, Centre for Environmental studies also coordinates with the Deans of student services and the IQAC coordinator in implementing the environmental policy of the college and in conducting the environment audit. The Leadership roles of Dean, Centre for Women’s Studies and Coordinator of International programs introduced this year is another example of decentralization. The Dean, Centre for Women’s studies has the task of organizing gender sensitization programs for the college community, conduct awareness programs on sexual harassment and set up and chair the Harassment complaints committee in addition to the regular functions of encouraging research and sharing of research findings to empower women in the community. The role of Coordinator of International programs was created to facilitate the student exchange, semester abroad and twinning programs with various foreign universities.

The College promotes participative management in almost all areas of its functioning. The biggest strength of the college is the involvement of the management, faculty, non-teaching staff, students and even members of the alumnae in committees that organize major events of the College like the college play, the alumnae food fair, convocation etc. For each of these events, several committees are set up with faculty, student and non-teaching staff working together, taking collective decisions, planning and implementing action plans for the successful conduct of these events.

**6.1.2 Does the institution have a Management Information System (MIS)?****Yes/No/Partial: Yes**

Yes .The Enterprise Resource Planning (ERP) implemented through Satvat Infosol Pvt.Ltd integrates the functions of the various offices of the college to create a common database with data pertaining to every student.

**6.2 Strategy Development and Deployment****6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):****❖ Curriculum Development**

Program specific outcome and program outcomes were developed to enable implementation of outcome based education. In 2017-18, 724 students took up NPTEL courses for value addition, skill development and employability and 20 students received certification after opting to take the exam. 244 students of Computer Science, Home Science and Psychology



underwent the spoken tutorial course offered by IIT Mumbai under MOOC and all received certification. Learner designed courses and service learning courses for additional credit were offered .Nine add on certificate courses and one three level certificate course leading to a diploma in Financial & Capital Market were offered this year

❖ **Teaching and Learning**

The academic audit by external experts was conducted on 27<sup>th</sup> February 2018. Three Conferences (1 International & 2 National), one symposium, three seminars (1 National & 2 regional) four Endowment lectures, one Endowment workshop, six workshops ,five Faculty Development Programs/workshops were organised

Students and faculty benefitted from lectures from visiting scholars and eminent academics from India and abroad, including an English professor from Ginling University, China under the scholar in residence program.

❖ **Examination and Evaluation**

Automation of Examination System  
Checking of marks and transcripts available online.

❖ **Research and Development**

The Student seed grant of Rs.100,000 awarded to 31 UG and PG students, the newly introduced faculty seed grant and the release of the second edition of the WCC Research journal ( a blind ,per reviewed journal with ISDN gave impetus to research and publications this year. Around 99 Research Papers were published in refereed International and National Journals.

The code of ethics in research was designed to foster and uphold high standards of scientific integrity and social responsibility and a board was set up for monitoring the code of ethics in research at WCC will monitor ethical practices in research and publication, Misrepresentation of data, Misconduct in academic research and safeguarding intellectual property rights for research undertaken in WCC.

Policy on Consultancy and Resource Sharing was also developed.

The Departments of Physics, Chemistry, Computer Science, PBPB, AZBT & Home Science participated in Rashtriya Avishkar Abhiyan- a program for mentoring children from government schools in the neighbourhood. The Department of Physics, conducted training in experimental physics for school teachers and students on August 11<sup>th</sup> 2017 with funds from the DBT Star College Scheme)

A workshop for school French teachers (Dept of Languages and French Embassy and IATF) was organized by the Department of languages. Training for English Teachers of government schools was organized on July 2017 by the English Department, Shift I under the Sarva Shiksha Abhiyan Scheme.

Training in basic computer skills was offered to 92 teachers by the Computer science Department (Shift I) on November 28<sup>th</sup> & 29<sup>th</sup> and for 198 school teachers on December 7<sup>th</sup> &

8<sup>th</sup> by CST Department and training of 110 school teachers on December 12<sup>th</sup> & 13<sup>th</sup> 2018 by the IT Department (Shift II) also under the Sarva Shiksha Abhiyan and Rashtriya Avishkar Abhiyan schemes.

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

The library introduced RFID tags, an integrated barcode for document transactions, 12 more surveillance cameras and 5 Pc's. More LCD projectors have been installed. The canteen and offices of the Principal and Controller of Examinations were renovated. Steam kitchen, solar panels and RO plant were installed to benefit resident students. Hostels were renovated and more television sets, geysers, microwave oven were provided. A new gallery and Lily Pond were constructed in the Main Hostel square and the main common room was refurbished. A First Aid Room was set up. ELS Book Shop was started to meet the stationery needs of students. More stone benches were constructed to provide students places to rest and relax.

❖ **Human Resource Management**

Faculty, student senate and non-teaching staff retreat, orientation program for new faculty, FDPs on research, intellectual property rights, student centric teaching methodologies were some HRD initiatives for faculty while administrative and support staff had development programs on time and stress management and effective communication and segregation of wastes respectively.

Faculty are given additional administrative responsibilities to hone leadership skills and encouraged to update knowledge and skills through attending workshops, conferences and seminars. Students are given opportunities to develop leadership potential, planning and organizing skills through the various leadership roles in the student senate, clubs and extension activity clubs. One student, attended a Leadership Program in South Korea and two faculty attended the Advanced Leadership training program at Haggai Institute, Hawaii.

❖ **Industry Interaction / Collaboration**

MoUs for collaboration were signed by the college with Apollo Shine Foundation to provide a First aid room on campus with two trained nurses, Holy Cross College, Agartala, West Tripura, Ginling College, China, LeTourneau University, Texas, USA and INaWord, Chennai. MoU was renewed with Concordia College, New York, USA for an American Transfer Program and for Certificate Courses.

Departments signed MoUs with organisations, NGOs, laboratories, academic and professional institutions like Karadi Path Education Company, Prajnya, Madras Players, Tamil Nadu Science and Technology Centre, Care Earth Trust, C P Ramasami Environment Education Centre, Pithavadian and Partners, Synthia Research Laboratory Pvt Limited, Pondicherry, Association of Chartered Certified Accountant (ACCA), London, ANSA India Pvt. Ltd., Chennai. and Stone Bench Creations (Film Production Company)

❖ **Admission of Students**

The admission process is transparent and inclusive and was streamlined through the use of

the ERP system. Student applications, scrutiny, merit list, etc. were all done through the ERP system thereby minimising human error. Faculty were assigned to handle PR queries pertaining to their Departments at the PR desk. Fewer faculty were required for the admission process since the process was online. The Scrutiny committee ensured that admissions followed government regulations and rules pertaining to reservation.

### **6.2.2 Implementation of e-governance in areas of operations:**

#### **❖ Planning and Development**

The Enterprise Resource planning software enables planning and uploading of data templates like time table and classroom allocation on the intranet.

Registering of complaints pertaining to plumbing, electricity, computers etc can be recorded and facilities like conference halls and auditorium can be booked on the intranet

#### **❖ Administration**

The ERP helps collate information, generate reports and store data essential for planning and decision making. Feedback mechanisms and grievance redressal through the online systems in place makes administration more effective.

#### **❖ Finance and Accounts**

Tally is used in preparation of budgets, maintenance and audit of various accounts. ERP helps integrate data pertaining to a student and facilitates record of fee payments and dues if any. This is integrated with online student course registration, applying for exam, payment of fees etc.

#### **❖ Student Admission and Support**

ERP starts recording all data pertaining to a student from the time a student officially enrolls after payment of fees and culminates when a student takes a transfer certificate. Applications are available online and students receive admission notice and other details online. Fee payments can be made by NEFT transfer or by card or cash at the bank extension counter. Course registrations and applying for exams is done online.

#### **❖ Examination**

The Examination process has been automated. ERP supports online application for examinations, payment of course and exam fees and recording of CIA marks. Students can access and download their hall tickets online. Generation of seating arrangement of students for exams, allocation of invigilation duties for faculty and exam duty for non-teaching staff is also facilitated.

### 6.3 Faculty Empowerment Strategies

#### 6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Dr. Lilian I. Jasper	National Seminar on New Trends in Governance and Leadership in Higher Education in India	16-17 Nov, AIACHE, New Delhi	
2017		Conference on "Whole Person Education as a Way Forward: Challenges and Prospects for Asia"	6-11 September, Hong Kong	UBCHEA Rs 35,863
2017		Advanced Higher Education Leadership Seminar for South Asia	18-22 April, Lavasa, Pune	UBCHEA Rs 5328
2018		Seminar cum Workshop for Academic Administrators (Principals) of Colleges	9-10 Jan, HRDC and RCCB, University of Madras	UGC
2018	Dr. Annie Kuriachan	Round Table Discourse on Contexts of Higher Education in India	15-17 March, Christ to-be -Deemed University, Bangalore	UGC
1 <sup>st</sup> – 2 <sup>nd</sup> Feb 2018	Dr. Kalavathy Santhi	National seminar on Setting Technological Standards and Strategy for Higher Education. Centre for Education Beyond Curriculum, Christ Deemed to be University, Bengaluru.	Women's Christian College	Rs. 4000/-
8 <sup>th</sup> - 10 <sup>th</sup> March 2018	Ms. Christina Nancy	Peace Studies: Curriculum Designing and methodology Workshop Centre for Peace studies and Dialogue Union Christian College, Aluva sponsored by UBCHEA.	UBCHEA	Rs. 4000/-
7 <sup>th</sup> - 25 <sup>th</sup>	Ms. Christina	Annual Peace building	UBCHEA	Rs. 44,798/-

May 2018	Nancy	Training at Mindanao Peace building Institute (MPI), Davao City, Philippines.		
	Ms Cordilea Hannah	“Phyloinformatics: Concepts & Percepts” (15 <sup>th</sup> & 16 <sup>th</sup> September 2017)	“Centre for DNA barcoding, Dept. of Genetic Engineering, SRM University	Rs 1000
2017-2018	Dr Pauline R	6 <sup>th</sup> National Level Field Workshop on “Medicinal Plants in Western Ghats” (31 <sup>st</sup> January to 3 <sup>rd</sup> February 2018)	National Institute of Traditional Medicine and ICMR, Belagavi	Rs 5,500 (Registration Fee provided from DBT Star College Fund)
2017-2018	Dr Vidyalakshmi A			
2017-18	Dr. Jancy Merlin	Genomic and Proteomic Analysis for Improvement of Productivity in Farm Animals	Madras Veterinary College	Rs. 2000/- (DBT Star College Scheme)
2018	Dr. Veena Easvaradoss	International Conference on Psychological Applications and Current Trends, May 5-7, 2018 at Portugal	UGC Travel Grant for University Teachers	Rs. 1,42,705
2018	Ms. Sarah Sruti Lall			Rs. 1,65,500
	Ms. Margaret Alexander	Effective Learning Through Facilitation: Role of Academic Leaders on 7 <sup>th</sup> October, 2017	Funded by IBS – ICFAI Business School, Bengaluru	Rs. 10,000
	Dr. R. Linet Christilda	Student Centered Learning on 24 <sup>th</sup> & 25 <sup>th</sup> Jan 2018 & 26 <sup>th</sup> & 27 <sup>th</sup> Mar 2018	United States- India Education Foundation (USIEF) & WCC	
3/10/2017 to 27/10/2017	Ms. N Elizabeth	Advanced Leadership Seminar	Haggai Institute, U.S.A.	Fully Sponsored
17 to 23.01.2018		Training Program on Academic Leadership, New College	-	Rs.700 per day
2017 - 2018	Mary Ivy Deepa I S	National Seminar on “Setting Technology Standards and	1/02/2018 & 2/02/2018 organized by Christ deemed to be University, Bengaluru.	Rs 4000/-

		Strategies in Higher Education"		
2016	Dr. Priya R Iyer	Building Women's or Gender studies Research in Asia', (2016), Asian University Leaders Program (AULP), Gender and the Changing Face of Higher Education in Asia	United Board for Christian Higher Education In Asia	Rs 25,000/-
2017	Dr.Priya Iyer & Dr. Anita R.J. Singh	Patent Drafting	Sathyabama University and Centre for Ocean Research DST	Rs 3500

**6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non-teaching staff during the year**

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
	Orientation program for new faculty		03/08/ 2017	32	
	Orientation program to develop post graduate MOOC Courses		18/09/2017	13	
	Workshop on student centred Teaching and Learning: Teaching Methods for the 21 <sup>st</sup> Century		24/01/2018 to 25/01/2018	38	
	Train the trainer workshop on student centred learning		26/03/2018 to 27/03/2018	18	
	Workshop on "Intellectual Property rights and patents"		27/03/2018	40	
	Program for professional development of administrative staff				30
	Workshop on Emerging Trends in Research		19/07/2017	40	

Methodology				
UGC sponsored National Workshop on 'Graph Matching Approach towards Women Related Cancer'		24/11/2017	10 faculty+260 students in addition to over 30 outside delegates	
Workshop on "Data Analysis with R Programming"		19/02/2018-20/02/2018	(6 WCC faculty +43 outside faculty)	
Dr.Florence Theophilus Endowment lecture on "The air we breathe and its impact on health"		02/09/2018	14 (+90 students and invited guests)	
Lily Pithavadian Endowment lecture on 'Detection of Gravitational Waves'		22/01/2018	30 faculty and around 300 students in addition to invited guests	
Rachel Philip Endowment Workshop on 'Concepts of Sustainability'.			7 + faculty and 42 students	
The Vera Augustus Endowment Lecture on "GST: A Good and Simple Tax"		05/03/2018	20 faculty and around 900 students	
DBT sponsored training Program in Experimental Physics		11/08/2018	8 faculty and 15 students	
Workshop on Entrepreneurship Development		18/03/2018	2 faculty and 70 students	
Genome Engineering Revolution in Life Sciences organized by Department of AZBT and Peninsula Foundation 07/03/2018		07/03/2018		

<b>6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year</b>				
<b>Title of the professional development programme</b>		<b>Number of teachers who attended</b>	<b>Date and Duration (from - to)</b>	
Training workshop at Women's Christian College in "Student Centered Learning" organized by Women's Christian College, Chennai and the United States Education Foundation (USIEF), Chennai.		38	24 <sup>th</sup> and 25 <sup>th</sup> of January 2018	
Train-the-Trainer workshop at Women's Christian College in "Student Centered Learning" organized by Women's Christian College, Chennai and the United States Education Foundation (USIEF), Chennai.		18	26 <sup>th</sup> and 27 <sup>th</sup> of March 2018	
Workshop at Women's Christian College in "Intellectual Property rights and innovations" organized by IQAC and research Cell of women's Christian College.		41	26 <sup>th</sup> March 2018	
Workshop 'Emerging Trends in Research Methodology', IQAC, WCC		40	July 19 <sup>th</sup> , 2017	
Special talk on 'The use of Technology in Increasing Learner Engagement' by Dr. Kenneth Rouse at Women's Christian College, Chennai		28	5 <sup>th</sup> February 2018.	
Orientation program for new faculty was organised by IQAC		31	3rd August 2017	
B.A. History				
Orientation programme		1	16 /08/2017 to 12/09/2017. (28 days)	
Refresher programme on Human Rights and environmental studies		1	3/11/2017 to 23/11/2017	
Teaching About China in India		1	6/01/17 - 15/01/17 ( 10 Days)	
B.A. English				
Orientation (University of Madras)		2	16 August - 12 September 2017	



		7 November – 4 December 2017
FDP – Workshop on Innovative Teaching Methods, conducted by Concordia University faculty	1	7-8 February 2017
B.Sc. Mathematics		
National Workshop on Mathematical Sciences CSIR- NET Aspirants	1	9 -13 May 2018
National Conference on ‘Mathematics and Computer Applications’	5	24.1.2018-25.1.2018
UGC sponsored National Workshop on Graph Matching Approach towards Women Related Cancer	5	24.11.2017
B.SC. Physics		
University Grants Commission Human Resource Development Centre (HRDC) and Regional Centers for Capacity Building (RCCB) University of Madras sponsored Summer School Refresher Course on Physics, Batch- XX held from University of Madras.	1	23 <sup>rd</sup> May to 12 <sup>th</sup> June 2017 at Dept. of Theoretical Physics,
Attended the seminar on “Developing New Curriculum-2017” held at Kalaivanar Arangam, Chennai organized by the State Council of Education Research and Training, Tamil Nadu.	1	20 <sup>th</sup> July 2017
Tuning young faculty towards effective teaching organized by Christopher’s College of Education sponsored by UBCHEA	1	23 <sup>th</sup> - 27 <sup>th</sup> Jan 2018
Peace Studies: Curriculum Designing and methodology - Workshop Centre for Peace studies and Dialogue Union Christian College, Aluva sponsored by UBCHEA	1	8 <sup>th</sup> - 10 <sup>th</sup> March 2018
B.Sc. Chemistry		
Orientation Programmes	3	02.05.2017 to 12.06.2017 (Batch 129) 16.08.2017 to 12.09.2017 (Batch 131) 07.11.2017 to 04.12.2017 (Batch 132)
Refresher Courses	3	Ecology and Environmental Sciences (Batch – XVII) held from 24.5.17 to

		13.06.17
Faculty Development Programme (PhD)	1	
FDP on Quantum mechanics and its applications to Chemistry	8	20-07-2108 to 21-07-2018
Staff training conducted by other institutions	2 (NIIT) + 1(Christopher's College)	May 2018 to Dec 2018
PBBP		
6 <sup>th</sup> National Level Field Workshop on Medicinal Plants in Western Ghats organized by National Institute of Traditional Medicine and ICMR, Belagavi at Kulgi Nature Camp, Dandeli	1	31 <sup>st</sup> January to 3 <sup>rd</sup> February 2018
State level workshop on "Drug Discovery" Organized by East West Transdisciplinary Research Institute, Chennai	1	4 <sup>th</sup> to 6 <sup>th</sup> September 2017
Refresher course on "Ecology and environmental Science" organized by the UGC, HRDC at University of Madras	1	24 <sup>th</sup> May 2017 To 13 <sup>th</sup> June 2017
"Phyloinformatics: Concepts & Percepts" Organized by the "Centre for DNA barcoding, Dept. of Genetic Engineering, SRM University	1	15 <sup>th</sup> & 16 <sup>th</sup> September 2017
The XXVII Annual Conference of Indian Association for Angiosperm taxonomy & International Symposium on "Plant Systematics – Priorities and Challenges" Organized by the Department of Botany, University of Delhi	1	10 <sup>th</sup> to 12 <sup>th</sup> November 2017
National Conference on Graph matching approach towards women related cancer Organized by the Department of Mathematics, Women's Christian College	1	24 <sup>th</sup> November 2017
International Conference on Molecular signature GenNxt at MGR Janaki College of Arts and Sciences for Women	1	13 -14 September 2017
10 <sup>th</sup> Dr. JT Memorial Lecture titled "The chronicles of Indian subcontinent – origin, health & disease perspectives" at IIT Madras	1	29 <sup>th</sup> January 2018
Workshop on "Hands-on Training in Mushroom Cultivation – Entrepreneurial Opportunities" Organized by Bio Incubator and Lab (Vel Tech TBI), Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai	1	27 <sup>th</sup> November, 2017

Training Programme on “Tuning Young Faculty Towards Effective Teaching” organized by Organized by St Christopher’s College of Education, Funded by UBCHEA	1	23-27 <sup>th</sup> January 2018
International Conference on “Novel antibiotic resistance breakers and diagnostic biomarkers” Organised by B.S.Abdur Rahman Crescent Institute of Science and Technology in association with University of Missouri ,USA sponsored by ICMR	1	22 <sup>nd</sup> and 23 <sup>rd</sup> December 2017
6 <sup>th</sup> National Level Field Workshop on Medicinal Plants in Western Ghats organized by National Institute of Traditional Medicine and ICMR, Belagavi at Kulgi Nature Camp, Dandeli	1	31 <sup>st</sup> January to 3 <sup>rd</sup> February 2018
B.Sc. AZBT		
Refresher course	1	2 <sup>nd</sup> to 22 <sup>nd</sup> December, 2017
Workshop on CorelDraw	7	5 <sup>th</sup> to 12 <sup>th</sup> September, 2017 (DBT Star College Scheme)
Workshop on Concepts of sustainability	7	7 <sup>th</sup> and 8 <sup>th</sup> February, 2018
Home Science		
Refresher course at the University of madras on Education and educational Technology	2	1.2.18 to 21.2.18 (21 days)
Orientation Program organised by UGC –HRDC at the University of Madras	1	16.08.2017 - 12.09.2018
B.Sc. Computer Science		
Orientation Programme Batch 129-1 30	1	10 <sup>th</sup> May 2017 - 6 <sup>th</sup> June 2017
Psychology		
HRDC UGC – Orientation Program	1	10 <sup>th</sup> May to 6 <sup>th</sup> Jun 2017
HRDC UGC – Refresher Course on Research Methods for Social Sciences	1	29 <sup>th</sup> Aug to 18 <sup>th</sup> Sep 2018
HRDC UGC – Orientation Program	1	
Languages		
Refresher Programme	1	May-June 2017 (21 days) UGC HRDC, University of Madras
Tamil		
Orientation Programme	1	24 <sup>th</sup> May- 20 <sup>th</sup> June 2018
B.Com.		

National Level Faculty Knowledge Program - ICFAI Business School, Kingston Hotel, Chennai	1	August 4 <sup>th</sup> 2017
Turning Young Faculty towards Effective Teaching - United Board for Christian Hr.Edn in Asia, St. Christopher's College of Education	1	22 <sup>nd</sup> to 26 <sup>th</sup> Aug. 2017
Effective Learning Through Facilitation: Role of Academic Leaders	1	7 <sup>th</sup> October, 2017
Goods & Service Tax	1	10 <sup>th</sup> March, 2018
B.Com GEN B		
Workshop on educating educators on Psycho spiritual mentoring	1	19.07.2018 to 20.07.2018 10.10.2018 to 12.10.2018
B.Com Hon		
Faculty Knowledge Program ON Entrepreneurship	1	04/08/2017
FDP Workshop- IFRS	1	8 <sup>th</sup> Dec, 2017
Entrepreneurial Summit	2	14 <sup>th</sup> February 2018
Workshop on Investment Planning	1	Feb 2018
Faculty Knowledge Program on GST	1	10/03/2018
Workshop on Investment Planning	1	Feb 2018
B.Com CA		
Regional level FDP on Introduction to Big Data Analytics	2	28 <sup>th</sup> & 29 <sup>th</sup> July 2017
National Level Workshop on Data Mining using R	2	19 <sup>th</sup> & 20 <sup>th</sup> January 2018
Corp.Eco		
Teaching China Studies in India	1	January 5 <sup>th</sup> -15 <sup>th</sup> 2018
Academic Leadership	1	January 16 <sup>th</sup> -23 <sup>rd</sup> 2018
Tuning of Young Faculty Towards Effective Teaching	1	22-26 August 2017
BBA		
Case teaching and writing methodology	1	9 <sup>th</sup> September 2017
Viscom		
Training Programme on Academic Leadership organized by MHRD	1	28 <sup>th</sup> - 31 <sup>st</sup> August, 2018
Research Methodologies and Data Analysis using Statistical Package for the Social Sciences (SPSS) for Social Researchers organised by Centre for Social Initiative and Management, Chennai.	1	30 <sup>th</sup> June 2017 - 01 <sup>st</sup> July 2017
M.Sc. CST		
FDP titled "Introduction to internet of things" Organized by Chennai Institute of Technology, Chennai on 18th & 19th August 2017.	1	18/08/2017 - 19/08/2017
FDP on Introduction to R Programming, Department of CST and IT, WCC	7	18/01/2018 - 19/01/2018

IT			
FDP- "Introduction to Big data Analytics" conducted by - Sri Kanyaka Parameswari Arts and Science College, Chennai	2	28th & 29th July 2017	
FDP- "Introduction to R Programming" conducted by Annai Violet Arts & Science College, Chennai	2	25th & 26th Sep 2017	
FDP-"Introduction to R Programming"-State level, conducted by Women's Christian College, Chennai	4	18 <sup>th</sup> & 19 <sup>th</sup> January 2018	
FDP-"Power Seminar on choosing Scholarly Journals and Guidelines to publish Articles" conducted by Sri Kanyaka Parameswari Arts and Science College for Women Chennai	1	30th January 2018	
Tutorial Session - Machine Learning - Algorithms and Implementation Approaches conducted by Madurai Kamaraj University jointly organized by University of Maribor	1	1st & 2nd March 2018	
PG Chemistry			
Quantum Mechanics & its applications to Chemistry	4	20 & 21 July	
PG Maths			
Investment Advisory and Financial Literacy Programme	2	27th June 2017	
PG Phy			
'Tuning Young Faculty towards Effective Teaching' organized by St. Christopher's College of Education, funded by United Board for Christian Higher Education in Asia	1	23 <sup>rd</sup> January to 27 <sup>th</sup> January 2018 (5 days)	
M.A. HRM			
Emerging trends on Business Education	1	6 <sup>th</sup> , Mar, 2018	
Data Mining using R	1	19 <sup>th</sup> & 20 <sup>th</sup> Jan, 2018	
Training programme on academic leadership	1	28th Aug-31st Aug 2018(4days)	
IPR and the art of writing funding proposals and Journal articles	1	5th & 6th Oct 2018(2days)	
Tamil			
Case study as a Method in Behavioral Research	2	19 <sup>th</sup> July 2017	
<b>6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):</b>			
<b>Teaching</b>		<b>Non-teaching</b>	
<b>Permanent</b>	<b>Fulltime</b>	<b>Permanent</b>	<b>Fulltime</b>
-	7	-	19

### 6.3.5 Welfare schemes for

Teaching	<ol style="list-style-type: none"> <li>1. Medical facilities under Apollo Shine Scheme</li> <li>2. Medical insurance cover for staff and family under the Govt. of Tamilnadu New health insurance scheme for Govt. Employees (For Govt Aided staff)</li> <li>3. Free Eye Check-up and Dental check-up camp</li> <li>4. Free Wi-Fi facility on campus,</li> <li>5. Christmas gift and family get together in December</li> <li>6. Pre-school on campus for children aged 2-4 years</li> <li>7. Zumba classes on campus for faculty</li> <li>8. Training Program on online passport application /renewal by passport authorities</li> <li>9. Health Screening camp by Apollo Shine</li> <li>10. Investment Advisory session By Finmark and Dept. of Commerce</li> </ol>
Non-teaching	<ol style="list-style-type: none"> <li>1. Medical facilities under Apollo Shine Scheme</li> <li>2. Medical insurance cover for staff and family under the Govt. of Tamilnadu New health insurance scheme for Govt. Employees (For Govt Aided staff)</li> <li>3. Free Eye Check-up and Dental check-up camp</li> <li>4. Free screening for non-communicable disease risk and diet counselling</li> <li>5. Christmas gift and family get together in December</li> <li>6. Pre-school on campus for children aged 2-4 years</li> <li>7. Scholarships for daughters studying in our College</li> <li>8. Subsidized lunch</li> <li>9. Health Screening camp by Apollo Shine</li> <li>10. Investment Advisory session By Finmark and Dept. of Commerce</li> </ol>
Students	<ol style="list-style-type: none"> <li>1. Free Eye check-up and Dental check up</li> <li>2. Free lunch for deserving students</li> <li>3. Management Scholarships for economically disadvantaged students</li> <li>4. Fee waiver for students who excel in sports</li> <li>5. Free breakfast for sports students and NCC cadets after training session</li> <li>6. Earn while you learn –opportunities for a few deserving students</li> <li>7. Student Counsellor is available for students who require counselling</li> <li>8. Enrolment camp for voter ID</li> <li>9. Training Program on online passport application /renewal by passport authorities</li> <li>10. Health Screening camp by Apollo Shine</li> </ol>

<b>6.4 Financial Management and Resource Mobilization</b>				
<b>6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)</b>				
The Institution conducts regular internal audits where the internal auditor M/s Kandasamy & Co, conduct extensive check of every transaction. The statutory external auditor M/s Cecil Joseph & Co, checks every transaction and certifies the financial statements before it is submitted to the relevant statutory bodies. An Audit Committee formulated by the Women's Christian College Association monitors the functioning of the audits. Reports are presented regularly to the Executive Board of the WCC Association.				
<b>6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)</b>				
<b>Name of the non-government funding agencies/ individuals</b>		<b>Funds/ Grants received in Rs.</b>		<b>Purpose</b>
Management		39.17 lakhs		Scholarships, Prizes, Workshops, Seminars, Conferences, Cultural and Department Activities
<b>6.4.3 Total corpus fund generated</b>				
2 crores				
<b>6.5 Internal Quality Assurance System</b>				
<b>6.5.1 Whether Academic and Administrative Audit (AAA) has been done?</b>				
<b>Audit Type</b>	<b>External</b>		<b>Internal</b>	
	<b>Yes/No</b>	<b>Agency</b>	<b>Yes/No</b>	<b>Authority</b>
Academic	Yes	68 subject experts		
Administrative	Yes	State Government	Yes	M/s Kandasamy & Co
<b>6.5.2 Activities and support from the Parent - Teacher Association (at least three)</b>				
1.Landscaping of the lawn 2. Support of the Annual College play through advertisement in brochure, banners and stalls. 3. Support of Conferences and seminars through stalls.				
<b>6.5.3 Development programmes for support staff (at least three)</b>				
1.Retreat held at the beginning of the academic year to motivate them for the year ahead 2.Program to orient staff for segregation of waste on campus and safe disposal of waste 3.Orientation of staff of campus food outlets on personal hygiene and safe food handling procedures				

**6.5.4 Post Accreditation initiative(s) (mention at least three)**

1. Two new Undergraduate, 1 Postgraduate program, 1 M.Phil & 1 Ph.D program have been introduced. In addition several certificate courses, learner designed courses (for advanced learners) and service learning programs have been introduced.
2. In an effort to make courses more learner centric e-learning resources have been included and students are encouraged to take online courses and receive certification. Experiential learning and student centric teaching learning methods are used to make the learning environment effective.
3. Infrastructure has been enhanced with two new blocks with classrooms, labs, staffrooms, student recreation centre and conference hall. A centenary block with two seminar halls, multipurpose hall with seating capacity of 2000, e-learning classrooms has been added in addition to two conference halls, IT lab and language labs.

**6.5.5**

- a. Submission of Data for AISHE portal : Yes  
 b. Participation in NIRF : Yes  
 c. ISO Certification : No  
 d. NBA or any other quality audit : No, (but participated in India Today Ranking and was ranked )

**6.5.6 Number of Quality Initiatives undertaken during the year**

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to--- ---)	Number of participants
2017-18	Orientation program for new faculty	03/08/2017	9:30 a.m.to 1:30 p.m.	32
2017-18	Orientation program to develop post graduate MOOC Courses	18/09/2017	1:30 to 3:00 p.m.	13
2017-18	Workshop on student centred Teaching and Learning: Teaching Methods for the 21 <sup>st</sup> Century	24/01/2018 to 25/01/2018	9:00 a.m. to 5:00 p.m.	38
2017-18	Train the trainer workshop on student centred learning	26/03/2018 to 27/03/2018	9:00 a.m. to 5:00 p.m.	18
2017-18	Program for professional development of administrative staff	5.12.18, 7&8.12.18	1:30 to 4:30 p.m.	25



**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 - Institutional Values and Social Responsibilities**

**7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)**

Title of the programme	Period (from-to)	Participants	
		Female	Male
Inauguration of the Gender Champions Club on campus	11/08/2017	270	
Mahilaon - Many 18, Workshop on Women Empowerment	12/02/2018	233	4
Rukmini Lakshmi pathy Endowment Lecture on “The Right to Dream: Power Up Your Passion”	06/02/2018	Around 900	
Seminar on ‘Women in Entertainment Media production’	20/11/2017	150	
Workshop on Self Defence, titled “No more Nirbhaya”	15/12/2017	NA	
No flats just heels-A workshop to empower women to change a flat tyre	08/03/2018	28	
National Seminar on “Women In Indian Armed Forces: Changing Contexts And Transformation”	8/03/2018 and 9/03/2018	300	20

**7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources**

- ❖ Workshop on “Sewage treatment “ was organized on 21st Feb 2018 In collaboration with NGO “ Arapor Iyakkam” and the participants were sensitized on increasing number of endangered rivers and lakes in the city and state, and importance of sewage management in conserving the water bodies.
- ❖ The Eco Club organized activities to sensitize the student community to preserve the biodiversity on campus by distributing bookmarks and posters with Environment Friendly messages. They removed the weeds from the newly initiated orchard on campus and planted butterfly attracting plants.
- ❖ A tree planting drive was organized in Women’s Christian College on 7th march in collaboration with Roamsoft technologies & Mr M. B. Nirmal, founder and chairman of Exnora International. Nearly hundred students from Women’s Christian College both shifts and 37 members from Roamsoft technologies participated in this program where 25 trees were planted.
- ❖ Solar panels installed in some hostels to provide lights.

**7.1.3 Differently abled (Divyangjan) friendliness**

Items Facilities	Yes/No	No. of Beneficiaries
------------------	--------	----------------------

Physical facilities	Yes	1
Provision for lift	Yes	
Ramp/ Rails	Yes	
Braille Software/facilities	No	
Rest Rooms	Yes	
Scribes for examination	Yes	
Special skill development for differently abled students	No	
Any other similar facility	No	

#### 7.1.4 Inclusion and Situatedness

##### Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-18				Institutional membership with The American Consul Library and the British Council Library, both located within a radius of 5 km	Institution membership is renewed on an yearly basis for use of both faculty and students.	
			June 2017-February 2018 Students require 15 hours to earn one credit. They usually work 15-20 hours over the second semester	Service learning programs and Internships with Government Museum, located within a radius of 5 km	This has been utilised by the History and Zoology Departments for providing Service Learning/internship for their students	25 AZBT students

				Alliance Francaise located very close to college	Students use this facility to hone their language skill and also for other activities like theatre. Faculty from alliance are invited for guest lectures and French faculty from WCC is examiner for DELF at Alliance	
				Heritage building on campus is both a privilege and disadvantage	Several official protocols need to be followed for any kind of expansion on campus. Vertical expansion of buildings 200m away from the heritage building	
				One boundary wall of the college is along the banks of the coom	Mosquito menace is dealt with by regular fogging and use of mosquito nets in residence halls	
		Outreach Centre at Chetpet within 5 Km.radius of college		Through the year	The college provides skill and empowerment training for Women in the urban slum at Chetpet .through Tailoring classes. A preschool is also run by the college for the children of the neighbourhood. Painting of the walls of the centre was done by students of Viscom Department	
				The school is run during	A Nursery school is run for the	Entire college

				the academic year 2017-18 The alumnae food fair was held on 6 <sup>th</sup> October 2017	underprivileged children of the neighbourhood by the alumnae association with funds for the lunch and refreshments being raised through the Annual Alumnae food fair on campus	community participates in the annual Alumnae food fair to raise funds for the

### 7.1.5 Human Values and Professional Ethics

#### Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Women's Christian College Handbook	June 2017 <a href="https://wcc.edu.in/code_of_conduct_for_students/">https://wcc.edu.in/code_of_conduct_for_students/</a>	Rules for students and resident students is listed along with punishment for violation. Faculty are also made aware of these rules during the orientation program and the procedure for non-adherence of rules is followed
Code of Conduct for Staff Code of Professional Ethics	<a href="https://wcc.edu.in/code-of-conduct-for-staff/">https://wcc.edu.in/code-of-conduct-for-staff/</a> <a href="https://wcc.edu.in/code-of-professional-ethics-as-per-ugc-regulations-july-2018/">https://wcc.edu.in/code-of-professional-ethics-as-per-ugc-regulations-july-2018/</a>	During the faculty orientation program new faculty are briefed about the code of conduct for teachers, rules and expectations and procedures followed at Women's Christian College. Periodic reinforcement of the code of conduct is also done at staff council meeting. Lapses if any are identified and dealt with at the Department level by the Heads of Department. Serious lapses or misconduct can be taken up by the administration for disciplinary action.

### 7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
B.Sc. Mathematics		
Service Learning	June 2017- October 2017	15
PBPB		

Guest Lecture on “Gene Editing and Transgenic Crops” by Dr Sivamani, Syngenta USA. Organized by the dept of PBPB. Discussed about the ethics in Genetically Modified Crops	8 <sup>th</sup> February 2018	135
B.Sc. AZBT		
Aquaria as stress busters and Health Enhancers in Geriatric centre (Nimmadhi Illam)	2014-2017	120 (3 batches)
Home Science		
Post Graduate Ethics Committee	22 <sup>nd</sup> November, 2017 between 2.00 p.m. and 5:30 p.m	1 M.Phil, 29 M.Sc. research proposals
Value Education for all UG students	For three years of Undergraduate program	300 students
Awareness creating ethical values for Post Graduate Research	22 <sup>nd</sup> November, 2017 between 2.00 p.m. and 5:30 p.m	1 M.Phil, 29 M.Sc. research proposals
B.Com.		
Socially responsible activity at Opportunity School, Vepery, A school for mentally challenged students)	March 2 <sup>nd</sup> , 2018	80
B.Com CA		
Traffic Awareness Campaign’	17 <sup>th</sup> February 2018	30
Suicide Prevention Awareness and Accident Free Nation	21 <sup>st</sup> February, 2018	210
Viscom		
Two days Community Development Programme was organized for the Tribal School Students on Media Literacy and Health & Hygiene in collaboration with Tribal Research Centre, Government of Tamilnadu, Udthagamandalam	February 11, & 12 <sup>th</sup> , 2018	40
MA HRM		
Value Education	Every year	40

**7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)**

1. Banning of plastic bags, spoons, forks, cups and styrofoam plates at food outlets on campus
2. Tree planting and setting up of an orchard
3. Collection boxes for paper waste from staff rooms, offices, Xerox centre and recycling paper
4. Segregation of waste in different colour coded bins
5. Vermi composting of leaf litter and use of compost for sale and for gardens on campus

**7.2 Best Practices**

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://wcc.edu.in/wp-content/uploads/2018/IQAC/Best-Practices.pdf>

**1.Upcycling of wood**

Upcycling is a unique practice at Women's Christian College where salvaged timber from fallen trees and steel from renovated buildings on campus is used to furnish academic, administrative and residential blocks on campus. Upcycling reduces the amount of waste generated on campus while finding creative reuse, reducing costs and consumption of new materials. This initiative has resulted in around 260 pieces of furniture/ aesthetic utility items for use in College. This environment friendly, sustainable practice has also reduced expenditure on furniture.

**2. Streaming of general English course to enable the course to be more student specific**

The Department of English offers a unique, level based foundation English course for learners with varying proficiency levels. This course is a shift from a content based approach to a skill based approach to equip students with skills for effective communication and employment. This course takes into consideration the different proficiency levels of students and provides outcome based training. Learners are divided into different proficiency levels based on diagnostic tests and a syllabus is framed for every semester in each level using an activity based framework. The course is designed such that the four skills necessary for language learning namely listening, speaking, reading and writing are incorporated into the curriculum. This is offered as a four level English for Communication course. This program has successfully bridged the gap between requirements and outcomes and has also been introduced for Shift II this year

**3. Seed grant for research**

The Women's Christian College Management introduced a seed grant for student research to give impetus to research and create a research culture on campus. Since its inception in 2015-16, 76 undergraduate and post graduate students have taken up research and presented their research findings to the College community. Many have presented papers at seminars/conferences and published in journals. More undergraduate students have been motivated to take up research projects after listening to the presentations of awardees of the seed grant. A seed grant of Rs.100,000 for faculty research was introduced last year with four faculty receiving the grant. This grant will encourage faculty, especially from undergraduate departments with limited scope of research to take

up active research culminating in paper presentations or publications

#### **4. Value added courses**

Women's Christian College has developed strategies to engage the advanced learner and also provide additional knowledge and skill development for employability through its value added courses. Need based add on certificate courses are offered to students. Service learning programs are offered for extra credits. Students take up service learning programs like, turtle conservation ,tree census , mentoring school children in mathematical concepts and volunteering at the at the Government Museum whereby they apply knowledge and concepts learnt in a practical setting thereby enhancing the learning. Learner designed courses are offered for advanced learners who choose an area of specialization of their interest, related to their core domain. They develop their own content for the course. This is a self-study program facilitated by a faculty mentor. Many of these useful programs have been promoted and sustained.

#### **7.3 Institutional Distinctiveness**

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust  
Provide the weblink of the institution in not more than 500 words

<https://wcc.edu.in/wp-content/uploads/2018/IQAC/Institutional-Distinctiveness.pdf>

**8. Future Plans of action for next academic year (500 words)**

**Plans for 2018-19**

- SWOC Analysis and administrative audit
- Prepare for NAAC accreditation
- Peer review of lesson plan at beginning of course
- Introduction of more add on certificate courses and skill development courses as value addition to the major courses (at least one per Department)
- Prepare for introduction of online testing as one component in the CIA
- Explore use of LMS in teaching-learning
- Organize Seminar on Intellectual property rights
- Conduct two need based Faculty Development Programs
- Strengthen Institutional Social Responsibility-activities
- Encourage every Department to have at least two consultancies
- Develop mechanism to receive structured feedback from recruiters/employers and peers
- Facilitate Innovations

  
Dr Mary Pramela A

Signature of the Coordinator, IQAC

  
Dr Lilian Jasper

Signature of the Chairperson, IQAC

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## Annexure I

II BCOM (Gen B)		
s.no	Name	NISM Registration No
1	Sanjana Santhosh	NISM-201700177094
2	A. Niranjana	NISM-201700177139
3	Linda Patricka. P.T	NISM-201700177413
4	Sanjalya.S	NISM-201700177420
5	Bleseena A	NISM-201800005519
6	Mahalakshmi mahima S	NISM-201800005506
II BCOM (Gen A)		
7	N. Prita	NISM-201700177028
8	P. Soundariya	NISM-201700177131
9	D. Charumathy	NISM-201700177018
10	S. Preetha	NISM-201700177071
11	B.Divya Dharshini	NISM-201700178859
12	K. Anitha Abraham	NISM-201800008600
II BCOM (CA)		
13	Sidra Fatin Mirza	NISM-201800005494
14	Manaal Tabassum	NISM-201700177203
II BCOM (Hons)		
15	Jency. A	NISM-201700177409
16	Dhivya Dharshini.G.V	NISM-201700177398
17	R. Madhurikka Udupa	NISM-201700177411
18	Sreedevi. A	NISM-201700177207
II BCOM (A/F)		
19	R.R. Shobana Priya	NISM-201700177163
20	R. Deborah	NISM-201700177168
21	Sherly Varghese	NISM-201700177175
22	Grace Mathew	NISM-201700177158
23	Mehaa Mohan	NISM-201700177191
24	R. Brighty Keerthana	NISM-201700176810
25	Swathi.S	NISM-201700177155
26	Karen Anne Eapen	NISM-201800008170
27	S. Swetha Gayathri	NISM-201800007940