



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		MADRAS CHRISTIAN COLLEGE
Name of the head of the Institution		R W Alexander Jesudasan
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		044-22390675
Mobile no.		9840622438
Registered Email		principal@mcc.edu.in
Alternate Email		principalmcctam@gmail.com
Address		East Tambaram, Velachery Main Road
City/Town		Chennai
State/UT		Tamil Nadu
Pincode		600059
<b>2. Institutional Status</b>		

Autonomous Status (Provide date of Conformant of Autonomous Status)	20-Mar-1978
Type of Institution	Co-education
Location	Semi-urban
Financial Status	Self financed and grant-in-aid
Name of the IQAC co-ordinator/Director	Dr. T Robinson
Phone no/Alternate Phone no.	91442290675
Mobile no.	9940355399
Registered Email	iqac@mcc.edu.in
Alternate Email	principal@mcc.edu.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://mcc.edu.in/images/IQAC/AQAR/2017-18-AQAR.pdf">https://mcc.edu.in/images/IQAC/AQAR/2017-18-AQAR.pdf</a>
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### 4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:  
Weblink :

[https://mcc.edu.in/images/Calender/Calendar\\_2018-2019.pdf](https://mcc.edu.in/images/Calender/Calendar_2018-2019.pdf)

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	A	3.37	2013	05-Jan-2013	04-Jan-2018
3	A	3.13	2019	18-Oct-2019	17-Oct-2024
1	A+	0	2004	08-Jan-2004	08-Jan-2009

### 6. Date of Establishment of IQAC

08-Jan-2004

### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Pro-forma for Extension of Autonomous Status for the Academic Year	05-May-2018 30	7171
Regular Meeting of IQAC	14-Sep-2018 1	10
National Institutional Ranking Framework (NIRF)	28-Nov-2018 30	6971
Regular Meeting of IQAC	04-Feb-2019 1	10
Annual Quality Assurance Report	13-Feb-2019 180	7171
Alumni (Course Feedback)	21-Feb-2019 2	1059
MHRD - All India Survey on Higher Education	22-Feb-2019 30	7171
Institutional Information for Quality Assessment (IIQA)	08-Jan-2019 30	7171
NAAC Self-study Report	11-Apr-2019 180	7171
Project Proposal on FIST-Project	15-May-2019 15	990
<a href="#">View File</a>		

**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
Madras Christian College - College with Potential for Excellence	College with Potential for Excellence	UGC	2016 1825	12500000
Department of Mathematics, Physics, Plant Biology and Plant Biotechnology	DST-FIST	UGC	2013 1825	9800000
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

<b>10. Number of IQAC meetings held during the year :</b>	2								
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes								
Upload the minutes of meeting and action taken report	<a href="#">View File</a>								
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No								
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>									
<ul style="list-style-type: none"> <li>• The college submitted data for National Institutional Ranging Framework (NIRF)</li> <li>• All India Survey on Higher Education (AISHE) was prepared and submitted during the year 201819</li> <li>• Prepared and submitted Institutional Information for Quality Assessment (IIQA)</li> <li>• Prepared and submitted NAAC Selfstudy Report.</li> </ul>									
<a href="#">View File</a>									
<b>13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year</b>									
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>IQAC facilitate to submit the National Institutional Ranking Framework (NIRF) - 2019 (28/11/2018)</td> <td>13th Rank among Arts and Science Colleges</td> </tr> <tr> <td>IQAC facilitated UGCCPE Advisory Committee visit (12/10/2018)</td> <td>Highly commended</td> </tr> <tr> <td colspan="2" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	IQAC facilitate to submit the National Institutional Ranking Framework (NIRF) - 2019 (28/11/2018)	13th Rank among Arts and Science Colleges	IQAC facilitated UGCCPE Advisory Committee visit (12/10/2018)	Highly commended	<a href="#">View File</a>	
Plan of Action	Achivements/Outcomes								
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IQAC facilitated UGCCPE Advisory Committee visit (12/10/2018)	Highly commended								
<a href="#">View File</a>									
<b>14. Whether AQAR was placed before statutory body ?</b>	No								
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes								
Date of Visit	12-Oct-2018								
<b>16. Whether institutional data submitted to AISHE:</b>	Yes								
Year of Submission	2019								

Date of Submission	22-Feb-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The College has ERP Management Information system/software which manages the entire Administration including Admissions, Enrolment, Fee Payment. Library, Finance, campus operations, academic management and Exam Related activities in an efficient way. Software has more than modules and facilitates administration of Students Admission to Students exit from the College. The Major activities performed in the ERP package are Admissions, Students fees collection, issue of Transfer certificates , Elective Subject Selection, issue of hall tickets entire Examination process, Finance, Staff HR related activities, Library, Administrative operations, Attendance management and Academic monitoring by Web and many more.</p> <p>Modules Used at Present for Management:</p> <ul style="list-style-type: none"> <li>• Online Application and Admission</li> <li>• Students Academic Management</li> <li>• Online Individual Staff Attendance and Admin Attendance</li> <li>• Online Elective Subject Selection</li> <li>• Certificates</li> <li>• Finance</li> <li>• HR</li> <li>• Library</li> <li>• SMS</li> <li>• Exam Office</li> </ul>

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BSc	DU13	Chemistry	12/06/2018
MPhil	3011	Chemistry	12/06/2018
BSc	DU11	Statistics	12/06/2018
MSc	DP11	Statistics	12/06/2018
BSc	EU24	Microbiology	12/06/2018
MSc	EP24	Microbiology	12/06/2018
BSc	EU25	Visual Communication	12/06/2018

[View File](#)

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BA	English	Nil	Current Trends in Music and Literature / 111EG4I01	Nil
BA	English	Nil	English for Careers / 081EG5L01	Nil
MA	English	Nil	Applied Linguistics and Literary Stylistics / 082EG2E01	Nil
MA	English	Nil	Indian Theatre, Meta Theatre and Perception / 082EG3E01	Nil
MA	English	Nil	Translation Studies / 082EG3E02	Nil
MA	English	Nil	English Language Teaching / 082EG4E01	Nil
MPhil	English	Nil	Research Methodology / 125EG1M01	Nil
MPhil	English	Nil	English Language Teaching / 125EG1M05	Nil
BA	Tamil	Nil	JOURNALISM & MASS COMMUNICATION / 081TM6M03	Nil
BA	Tamil	Nil	CREATIVE WRITING / 081TM6M04	Nil
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## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Visual Communication	12/06/2018
MSc	Microbiology	12/06/2018
BSc	Microbiology	12/06/2018
MSc	Statistics	12/06/2018
BSc	Statistics	12/06/2018

MPhil	Chemistry	12/06/2018
BSc	Chemistry	12/06/2018
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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	Programme Specialization	Date of implementation of CBCS/Elective Course System
<b>No Data Entered/Not Applicable !!!</b>		

### 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
Human Resource Management (PGDHRM)	01/01/2018	8
Computer Applications (PGDCA)	01/01/2018	1
Medical Laboratory Technology (PGDMLT)	01/01/2018	1
Journalism and Mass Communication (PGDJMC)	01/01/2018	1
Human Resource Management (DHRM)	01/01/2018	12
Medical Laboratory Technology (DMLT)	01/01/2018	13
Computer Applications (DCA)	01/01/2018	8
Montessori and Primary School Teacher Training (DMPSTT)	01/01/2018	3
Graphic Designing	01/01/2018	3
Effective Communication in English(CECE)	01/01/2018	5
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MCom	Commerce	18
MSc	Mathematics	39
BSc	Statistics	1
MSc	Statistics	17
MSc	Physics	26
BA	Archeology & Museology	26
MA	History	31
MA	Political Science	16

MA	Philosophy	13
BCom	Commerce	4
No file uploaded.		

#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Nil
Teachers	Nil
Employers	Nil
Alumni	Yes
Parents	Nil

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

Feedback Obtained
<p>The Internal Quality Assurance cell of the College collects feedback from the Alumni and current students every year. It is mandatory for all the students to submit their feedback on parameters relating to Academics, especially Teaching, Learning and Evaluation. The feedback collected through digital forms require responses that obtain scores on a four-point scale (Very Good, Good, Satisfactory and Unsatisfactory) The questions in the Feedback form pertain to Teaching-Learning and evaluation methods adopted by the departments in the conduct of various courses and Laboratory work. The questions are on the depth of course content, sufficiency of study resources in the Department and Library, Laboratory and/or computing facilities available, extent of coverage of syllabus, communication skills and effectiveness of teaching by the Faculty, Learning methodologies adapted for wholesome education, fairness of evaluation, outcome of study of the courses and their applicability. The data collected through online survey is analyzed by the Faculty of the Department of Statistics of the College. The results presented as graphical representations are submitted to the Management and subsequently presented in the meeting of the Heads of Departments, to make relevant changes in the forthcoming Academic year and decision-making. The feedback collection exercise and analysis is done to improve the Academics to higher level of student-centric teaching, outcome-based learning, and to equip the student community for employment.</p>

### CRITERION II – TEACHING- LEARNING AND EVALUATION

#### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BCom	Commerce Vocational Advertising, Sales Promotion and Management	30	355	29
BCom	Commerce	70	5604	81
BA	Philosophy	35	157	36
BA	Economics	70	911	72
BA	Political Science	70	859	73



BA	History Vocational - Archaeology and Museology	30	91	29
BA	History	45	518	45
BA	Tamil	70	207	66
BA	English	70	1776	72
BSc	Mathematics	70	1712	63
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## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1788	615	79	25	214

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
318	318	Nil	105	33	Nil
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

Mentoring system is common in all the Departments, wherein every faculty is assigned particular number of students who would report on all academic achievements and challenges. Students in the first year of undergraduate and post graduate courses are allocated to the faculty of respective departments as in order to facilitate guidance and counselling which seeks to enhance their personal growth. The students report to the same faculty to keep track of the growth of the student. However, in case of request for change arises from either the faculty or the student, the same will be entertained by the Head of the Department. As of now, the mentor-mentee ratio of the institution is 1: 21. In addition the institution also adopts measures to support both advanced and slow learners, such as, paper presentations, interaction with scientists of IITs, IISc, JNCASR and remedial/bridge courses. In addition, the College operates School of Continuing Education and Institute for Administrative Services Coaching to cater to the professional needs of students and to prepare them for competitive examinations.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6784	318	1 : 21

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D

318	318	Nil	14	149
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2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr (Mrs) Mekala Rajan	Associate Professor	"Fellow of the EAST for Academic Excellence"
2018	Dr S. Sathasivam	Assistant Professor	"Ilanth Tamil Aaivalar - 2018"
2018	Dr R. Ranjith Kumar	Assistant Professor	Dr. APJ Abdul Kalam Award"
2018	Dr Nithaniyal Stalin	Assistant Professor	"Dr. APJ Abdul Kalam Award" for Scientific Excellence - 2018
2018	Dr. Manu Thomas Mathai,	Associate Professor	"Prof. Dr. B. Kaiuta Lifetime Achievement Award"
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## 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	DU01	November 2018	17/11/2018	18/12/2018
BA	DU02	November 2018	17/11/2018	19/12/2018
BA	DU03	November 2018	17/11/2018	19/12/2018
BA	DU04	November 2018	17/11/2018	19/12/2018
BA	DU05	November 2018	17/11/2018	19/12/2018
BA	DU01	April 2019	27/08/2019	07/06/2019
BA	DU02	April 2019	27/04/2019	07/06/2019
BA	DU03	April 2019	27/04/2019	07/06/2019
BA	DU04	April 2019	27/04/2019	07/06/2019
BA	DU05	April 2019	27/04/2019	07/06/2019
<a href="#">View File</a>				

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
326	14012	0.0232

## 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://mcc.edu.in/programme-outcomes/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Dp14	MSc	Plant Biology and Plant Biotechnology	25	24	96
DP13	MSc	Chemistry	25	24	96
DP12	MSc	Physics	26	25	96
DP11	MSc	Statistics	19	17	89
DP10	MSc	Mathematics	39	25	64
DP07	MA	English	46	46	100
DP17	MA	Public Administration	38	32	84
DP04	MA	Economics	20	15	75
DP03	MA	Political Science	16	15	94
DP01	MA	History	28	21	75

[View File](#)

## 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)

<https://mcc.edu.in/quality-assurance/#>

## 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

Yes
Name of the teacher getting seed money
30
<a href="#">View File</a>

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Shirmila Stanley	Fellowship	10/05/2018	United Board for Christian Higher Education Asia
International	Dr. Shirmila Stanley	Fellowship	09/06/2018	United Board for Christian Higher Education Asia
International	Dr. S Sudharsan	Project Grant	10/05/2018	United Board for Christian Higher Education in Asia (UBCHEA)
National	Dr. R. Ranjith Kumar	Dr. APJ Abdul Kalam Award for Scientific Excellence	13/08/2018	Marina Labs, Chennai
<a href="#">View File</a>				

### 3.2 – Resource Mobilization for Research

#### 3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	1095	DST-SERB	3504000	2400000
Nill	730	UGC	200000	24000
Nill	30	National Human Rights Commission, New Delhi	50000	50000
Nill	365	United Board for Christian Higher Education in Asia (UBCHEA)	350000	150000
Nill	1095	United Board for Christian Higher Education	308750	200000
Nill	365	United Board for Christian Higher Education	1470000	70000
Nill	730	Indian Council for Social Science Research (ICCSR Minor Project)	400000	240000
Nill	1095	United Board	1377333	71910

Nill	730	University Grants Commission	90000	50000
Nill	730	University Grants Commission	85000	40000
<a href="#">View File</a>				

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

0.045
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### 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
<b>No Data Entered/Not Applicable !!!</b>		
No file uploaded.		

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
<b>No Data Entered/Not Applicable !!!</b>				
No file uploaded.				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

### 3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
History	2
Economics	1
Commerce - Aided	2
Mathematics - Aided	2
Physics - Aided	1
Chemistry - Aided	3
Botany	1
Zoology	1
English - SFS	1
Commerce - SFS	5

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	Philosophy	1	0
International	MATHEMATICS	5	0.26
International	Statistics	1	0
International	Physics	16	1.70
International	Chemistry	16	2.94
National	Botany	3	0
International	Zoology	9	1.07
International	Hindi	1	0
International	Chemistry (SFS)	1	3.26
National	Microbiology	1	0
<a href="#">View File</a>			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Political Science	12
Tamil	7
Commerce	4
Chemistry	2
English	2
Computer Application (BCA)	1
Botany	1
Economics	1
Languages	1
Microbiology	1
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Coconut fibre as suture material by IPR of India	Published	298076	26/06/2018
<a href="#">View File</a>			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Molecular docking studies, charge transfer	Fathima Rizwana B., Johanan Christian Prasana,	Computational Biology and Chemistry	2019	24	Madras Christian College, Chennai	19

excitation and wave function analyses (ESP, ELF, LOL) on valacyclovir : A potential antiviral drug	S. Muthu, Christina Susan Abraham					
Spectroscopic investigation, Hirshfeld surface analysis and molecular docking studies on anti-viral Entecavir	Fathima Rizwana B., Johanan Christian Prasana, Christina Susan Abraham, S. Muthu	Journal of Molecular Structure	2018	17	Madras Christian College, Chennai	14
New biosensitive and biologically active single crystal of pyrimidine scaffold ligand and its gold and platinum complexes: DFT, antimicrobial, antioxidant, DNA interaction, molecular docking with DNA/BSA and anticancer studies	M. Sankar Ganesh, J. Dhaveethu Raja, K. Sakthikumar, R. Vijay Solomon, J. Rajesh, S. Athimoolam, V. Vijayakumar	Bioorganic Chemistry	2018	17	Madras Christian College, Chennai	11
Photocatalytic water splitting of TiO <sub>2</sub> nanotubes powders	David, T.M., Wilson, P., Mahesh, R., Ramesh,	Materials Technology	2018	17	Madras Christian College, Chennai	15

prepared via rapid breakdown anodization sensitized with Pt, Pd and Ni nanoparticles	C., Seshadri, H.					
Biomolecular Interaction, Anti-Cancer and Anti-Angiogenic Properties of Cobalt(III) Schiff Base Complexes	S.Arunachalam, B. Gowdhami, K. K.M.Sundaram, R. Vijay Solomon, P. Venuvalingam, M. A. Akbarsha, M. Sundaraman	Scientific Reports	2019	17	Madras Christian College, Chennai	14
Effect of zinc precursor ratio on morphology and luminescent properties of ZnO nanoparticles synthesized in CTAB medium	C.Amirthavalli, A. Manikandan, A.A.M.Prince	Ceramics International	2018	16	Madras Christian College, Chennai	13
Spectroscopic (FT-IR, FT-Raman) investigation, topology (ESP, ELF, LOL) analyses, charge transfer excitation and molecular docking (dengue, HCV) studies on ribavirin	B. Fathima Rizwana, S. Muthu, Johanan Christian Prasana, Christina Susan Abraham, M. Raja	Chemical Data Collection	2018	15	Madras Christian College, Chennai	13
Spectroscopic		Computat	2018	12	Madras	8



<p>copic profiling (FT-IR, FT-Raman, NMR and UV-Vis), autoxidation mechanism (H-BDE) and molecular docking in investigation of 3-(4-chlorophenyl)-N,N-dimethyl-3-pyridin-2-ylpropan-1-amine by DFT/TD-DFT and molecular dynamics: a potential SSRI drug</p>	<p>Christina Susan Abraham, S. Muthu, Johanan Christian Prasana, S. Muthu, Sanja J. Armakovic, Stevan Armakovic, Fathima Rizwana B, Ben Geoffrey A.S</p>	<p>ional Biology and Chemistry</p>			<p>Christian College, Chennai</p>	
<p>Spectroscopic (FT-IR, FT-Raman) and quantum mechanical study on N-(2,6-dimethylphenyl)-2-[4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]piperazin-1-yl]acetamide</p>	<p>Jacob George, Johanan Christian Prasana, S. Muthu, Tintu K. Kuruvilla, S. Sevanthi, Rinnu Sara Saji</p>	<p>Journal of Molecular Structure</p>	<p>2018</p>	<p>12</p>	<p>Madras Christian College, Chennai</p>	<p>9</p>
<p>Spectroscopic (FT-IR, FT-Raman), quantum mechanical and docking studies on methyl[(3S)-3-(naphthalen-1-ylloxy)-3-</p>	<p>Renuka, V., Revathi, B. K., Jonathan, D. Reuben, Priya, M. Krishna. Asirvatham P. Samuel,</p>	<p>Journal of Molecular Structure</p>	<p>2019</p>	<p>11</p>	<p>Madras Christian College, Chennai</p>	<p>7</p>

thiophen-2 -yl) propyl] amine					
<a href="#">View File</a>					

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Spectroscopic investigation, Hirshfeld surface analysis and molecular docking studies on anti - viral Entecavir	Fathima Rizwana B., Johanan Christian Prasana, Christina Susan Abraham, S. Muthu	Journal of Molecular Structure	2018	98	14	Madras Christian College, Chennai
Strontium incorporated hydroxy apatite/hydrothermally reduced graphene oxide nano composite as a cytocompatible material	Nimmy, E., Wilson, P.	Ceramics International	2019	100	6	Madras Christian College, Chennai
Effect of zinc precursor ratio on morphology and luminescent properties of ZnO nanoparticles synthesized in CTAB medium	C.Amirthavalli, A. Manikandan, A.A.M.Prince	Ceramics International	2018	100	13	Madras Christian College, Chennai
Ultrasonically aided selective stabilization of	Ida, S., Wilson, P., Neppolian, B., Karthik,	Ultrasonics Sonochemistry	2019	119	6	Madras Christian College, Chennai

pyrrolic type nitrogen by one pot nitrogen doped and hydrothermally reduced Graphene oxide/Titanium nanocomposite (N-TiO <sub>2</sub> /N-RGO) for H <sub>2</sub> production	P., Ravi, P.					
Spectro-electrochemical assessments of DNA/BSA interactions, cytotoxicity, radical scavenging and pharmacological implications of biosensitive and biologically active morpholine-based metal(II) complexes: a combined experimental and computational inv	K. Sakthikumar, R. Vijay Solomon, J. D.Raja	RSC Advances	2019	128	8	Madras Christian College, Chennai
Stability and rheological properties of hybrid $\gamma$ -Al <sub>2</sub> O <sub>3</sub> nanofluids with cationic polyelectrolyte additives	R. Kiruba, Sithara Vinod, A.W. Zaibudeen, R. Vijay Solomon, John Philip	Colloids and Surfaces A	2018	160	8	Madras Christian College, Chennai

Chronic intake of 4-Methylimidazole induces Hyperinsulinemia and Hypoglycaemia via Pancreatic Beta Cell Hyperplasia and Glucose Dysmetabolism.	Rekha B, Velmurugan G, Freddy AJ, Anusha S, Ramprasath T, Karthik KV, Suresh S, Kulshrestha P, Mithieux G, Lyon AR, Selvam GS, Ramasamy S.	Scientific Reports	2018	179	3	Madras Christian College, Chennai
Biomolecular Interaction, Anti-Cancer and Anti-Angiogenic Properties of Cobalt(III) Schiff Base Complexes	S.Arunachalam, B. Gowdhami, K. K.M.Sundaram, R. Vijay Solomon, P. Venugalingam, M. A. Akbarsha, M. Sundaraman	Scientific Reports	2019	179	14	Madras Christian College, Chennai
Self-humidifying manganese oxide-supported electrocatalysts for highly-durable PEM fuel cells	Aristatil Ganesan, Mani Narayanan, Karthikeyan Shunmugavel	Electrochimica Acta	2018	224	5	Madras Christian College, Chennai
Parallel Contextual Array Insertion Deletion Grammar	S. James Immanuel, D. G. Thomas, Atulya K.Nagar, T.Robinson	Lecture Notes in Computer Science	2018	356	Nil	Madras Christian College, Chennai
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	22	5	7
Presented papers	25	24	4	Nil

Resource persons	14	16	11	18
<a href="#">View File</a>				

### 3.5 – Consultancy

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

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. P. Hanumantha Rao	Technical Expert in BRC Auditing at Kaleesuwari Refinery Pvt. Ltd., Chennai during September 2018 and at Dr. Oetker India Pvt. Ltd., Bhiwadi, Rajasthan during January 2019	TÜV SÜD Management Service GmbH, Munich, Germany TÜV SÜD Management Service GmbH, Munich, Germany	0
<a href="#">View File</a>			

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NA	NA	NA	0	0
<a href="#">View File</a>				

### 3.6 – Extension Activities

#### 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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
INDUSTRIAL VISIT	Hatsun Agro Products Ltd, Thimmasamudram Village, Kancheepuram	8	220
INDUSTRIAL VISIT	Hindustan Coca-Cola Beverages Private Limited, Nemam, Thiruvallur.	8	220
INDUSTRIAL VISIT	Aavin Dairy -Tamil Nadu Co-Operative Milk Producers Federation Ltd, Sholinganallur, Chennai	8	220
Employment Opportunities in Tourism	National Service Scheme (NSS), University of	11	350

	Madras Tamil Nadu Tourism Development Corporation.		
An in-campus (MCC) rally on "Rabies Awareness"	Environment, Health and Sanitation Club (EHS CLUB)	10	150
SBSI Valedictory and Diabetes Screening Inaugural	SBSI	5	100
Free Diabetes Screening Test	Mohans Diabetes Specialities Centre	5	100
Blood Donation Camp	The Blood Donors Club	5	160
Blood Donation Camp	LLRMF Blood Bank	5	120
Disaster Management Workshop	Sri Sathya Disaster Management Team	3	70
<a href="#">View File</a>			

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	Number of students Benefited
Stakeholder Workshop, Tourist Student awareness programme	Swachhta Action Plan	IITTM, Ministry of Tourism - Govt.of.India	300
8th State Level Talent Test - IGS	Certificate of Appreciation (Nodal Officer)	The Indian Geographical Society	652
World Hepatitis Day	Cash Award	Other Organized Body	20
<a href="#">View File</a>			

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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
National Service Scheme	Mahindra World City	Plantation Programme	1	10
National Service Scheme	The Blood Donors Club	Blood Donation Camp	5	160
National Service Scheme	Egmore Government Museum	Swachh Pakhwada	2	40
National Service Scheme	Railway Office, Tambaram	Swachh Bharat	2	60

National Service Scheme	University of Madras	NSS Pre parade selection Training	1	3
National Service Scheme	Sri Sathya Disaster Management Team	Disaster Management Workshop	3	70
National Service Scheme	MCCRSL School	Independence Day Celebration	3	30
National Service Scheme	SBSI	Clean Campaign	5	100
National Service Scheme	SBSI	NSS Inaugural Function	2	50
National Service Scheme	Social Work Department, Madras Christian College	Leadership Training programme	1	8
<a href="#">View File</a>				

### 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
PG CURRICULUM RESEARCH PROJECT	SRM Research Institute, SRM Institute of Science and Technology, Chennai	NIL	365
PG CURRICULUM RESEARCH PROJECT	Department of Chemistry, IIT Madras	NIL	365
International Field Placement	Sujitha	Accomodation and Free course	30
International Field Placement	SERENA GARIECIA LANGSTIEH	Accomodation and Free course	30
<a href="#">View File</a>			

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	Duration To	Participant
Internship	SUMMER INTERNSHIP TRANING PROGRAM	Sangrose Laboratories Pvt. Ltd,	03/05/2018	29/05/2018	Anju Mereena Thomas
Internship	SUMMER	Sacred	02/05/2018	01/06/2018	F. Anjum

	INTERNSHIP TRANING PROGRAM	Heart College (Autonomous)			Firdose
Internship	KLEBSIELLA PNEUMONIAE (NBRC3319) MEDIATED SYNTHESIS OF (- )ECKLONIA LACTOSE PRECURSOR	Indian Institute of Technology, Kharagpur.	18/05/2018	18/06/2018	K. Daphne Jacinth Gracia
Internship	PHYTOCHEMI CAL INVESTIG ATION OF ROTULA AQUATIC LOUR	National Institue for Interdiscipl inary Science and Technology,	18/05/2018	18/06/2018	V. Dhrishya
Internship	SUMMER INTERNSHIP TRANING PROGRAM	The Chennai Industrial Cooperative Analytical Laboratory Ltd	09/05/2018	01/06/2018	J. Ida Shamila
Internship	SUMMER INTERNSHIP TRANING PROGRAM	Department of Inorganic Chemistry, University of Madras	24/05/2018	13/06/2018	Jesni M. Jacob
Internship	SUMMER INTERNSHIP TRANING PROGRAM	Department of Inorganic Chemistry, University of Madras	24/05/2018	13/06/2018	A. Lavanya
Internship	DISPERSION OF GRAPHENE AND MoS2 NANOSHEETS	Indian Institute of Science, Bengaluru	18/05/2018	18/06/2018	K. Lakshmi Priya
Internship	IN PLANT TRANING PROGRAM	Vanitec Limited	10/05/2018	31/05/2018	Mahalakshmi M.
Internship	ENVIRONMEN TAL AND WATER ANALYSIS	SGS India Private Limited	04/05/2018	29/05/2018	Manisha M.
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
ICKONSYSTEMS	03/09/2018	INTERNSHIP	50



Cedarville College, USA	01/07/2018	Field Placement	1
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
35500000	108023171.68

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Newly Added
Class rooms	Existing
Campus Area	Existing
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
INSROPLUS	Fully	6.1	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	11872	5501982	21	6675	11893	5508657
Reference Books	5150	365881	43	35582	5193	401463
e-Books	3218809	336826	7760	Nil	3226569	336826
Journals	140	283058	2	2000	142	285058
e-Journals	9796	336826	7760	Nil	17556	336826

Digital Database	4	336826	Nil	Nil	4	336826
CD & Video	387	19300	Nil	Nil	387	19300
Library Automation	1	100000	1	1981220	2	2081220
Weeding (hard & soft)	5233	Nil	Nil	Nil	5233	Nil
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4.2.3 – 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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1177	17	2	13	4	7	32	2	0
Added	183	0	0	0	0	0	0	0	0
Total	1360	17	2	13	4	7	32	2	0

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

2 MBPS/ GBPS
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4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Bandicam Software	Nil
Smart Classrooms	Nil
Seminar Halls	Nil
Computer centre in Library	Nil
Audio booth in centre for media studies	Nil

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities

8175800	8869835.99	9226200	10055599.48
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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)

The College's 320 acre campus with a vast infrastructure, installations and equipment is maintained by the Estate office. The Estate office has policies to carry out both preventive and post maintenance activities. Regular preventive maintenance is carried out through AMCs, and periodic checks of electrical, water installations, equipment, sewage and garbage disposal. Emergencies are attended to ensure the campus life is normal. Normally departments, units, halls, residential staff and students register their maintenance requirement with the Estate office who in turn, attend to all such requirements /grievances regularly. The Estate office functions through the Estate Manager who reports to the Bursar. The Estate Manager is assisted by • Electrical Supervisors • Civil supervisors • Electricians • Carpenters • Plumbers • Clerical assistants • Sanitary workers • Campus workers, Sweepers and Gardeners • Maintenance of rest rooms and cleaning of classrooms and common areas is outsourced. The outsourced housekeeping is carried out by trained personnel. Science laboratories: Laboratories, classrooms and the library are functional from 8 am to 6.15 pm on all working days. There are adequate laboratory assistants for the Science Departments having labs of Physics, Chemistry, Botany, Zoology and computer laboratories who take care of the maintenance of labs and equipment placed in the labs. Air conditioners, computers and network facilities are maintained either by annual maintenance contract (AMC) or serviced by agencies/manufacturers as and when need arises. The stock in the labs is verified for the available equipment and damaged ones are discarded. Maintenance of Electrical and Electronic Equipment is checked regularly at the end of every semester. Breakage register is maintained in the laboratories. Library: The Librarian looks after the maintenance of the library books, journals, periodicals, furniture, electronic equipment, computers and software. He coordinates with the Estate Manager and System Administrator to ensure regular maintenance is done. Weeding of books is done on a regular basis in the general library. Pest Management measures are regularly carried out in the library and in other buildings. Since the Library operates RFID, Inventory Management is made easy through this technology and software. Sports Complex: State of the art sports Indore Stadium partly funded by UGC was built on campus. The stadium provides one full size basketball court, four shuttle badminton courts and one volley ball court. The stadium is well ventilated and paved with imported wooden floor. The stadium is ideal for conducting both National and International level competitions. Power generation and energy conservation: All buildings are connected through a 1000 kVA transformer and two 250 kVA generators to provide uninterrupted power supply. Two solar power plants with total capacity of 600 kWp generate 90,000 units of electricity every month. All power/electrical installations are under AMC for proper maintenance. Water supply: There are nine Reverse Osmosis (RO) water dispensers supplying high quality drinking water. The RO Plants are cleaned and maintained on a regular basis. There are two large overhead tanks and eight open wells and six bore wells in the campus providing water and these

<http://mcc.edu.in/procedures-and-policies-for-facilities/>

## 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

Financial Support from institution	UG PG Management Scholarship	155	1094269
Financial Support from Other Sources			
a) National	SC/ST/ CAD BC/MBC/DNC	1007	4429944
b)International	Nil	Nil	Nil
<a href="#">View File</a>			

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 implemetation	Number of students enrolled	Agencies involved
Personality Development - ALL II UG	13/06/2018	1740	Dr. Devanesen Centre for Human Resource Development, MCC
PG Softskills Programme	07/11/2018	1200	Dr. Devanesen Centre for Human Resource Development, MCC
BVoc (RM IT) (HT) Softskill Programme	13/06/2018	140	Dr. Devanesen Centre for Human Resource Development, MCC
Career Counselling and effective Communication	13/06/2018	750	Mr. Daniel Jacob, Asst. Vice President -HR , EC Group Datasoft (P)Ltd
Lecture - Personal Brand Building for PG students	08/01/2019	150	Ms Arpita Mukerjee, HR trainer and Coach
Leadership Training programme	09/03/2018	3	Pachaiyappa's College NSS
Leadership Training programme	03/07/2018	8	Social Work Department, Madras Christian College NSS
Disaster Management Workshop	18/08/2018	70	Sri Sathya Disaster Management Team NSS
Vission Ambassador Training	19/01/2019	20	Shankara Nethralaya NSS
Training Programme on Teaching	22/10/2018	60	ULAS NGO NSS
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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 for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	NET/ SET Coaching by IASC Civil Service Exam	178	900	10	290
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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	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	10

## 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	Name of organizations visited	Number of students participated	Number of students placed
Accenture	Nil	2	Adpro Media solutions	Nil	4
<a href="#">View File</a>					

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
2018	26	B.A	Political Science (Aided)	Jadhavpur University, Jadhavpur University	MA Political Science
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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	Number of students selected/ qualifying
<b>No Data Entered/Not Applicable !!!</b>	
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
<b>No Data Entered/Not Applicable !!!</b>		
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### 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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
<b>No Data Entered/Not Applicable !!!</b>						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

5.3.2 The College Union Society (CUS) is a student body that represents the interests of students in College Administration. It is responsible for organizing various student activities. The CUS consists of the student chairman, student secretary, conveners of various portfolios, department representatives and class representatives. The Principal, the President of the CUS, along with a Vice-president and Staff Advisor, who are also faculty members, provide guidance to the student leaders of the CUS. All the student office bearers and representatives are elected by the students through a democratic and transparent process by an independent Election commission. The student chairman and student secretary are also members of the college Senatus, the highest executive body of the College, and many other important committees of the College such as the Finance Committee and the Disciplinary Committee.

This enables the participation of the student community in taking major decisions concerning the curricular and cocurricular activities of the College.

Every academic Department has a Board of Studies that has student representatives. The College Academic Council which has wide ranging powers to decide upon academic matters also has student representatives. The CUS organizes many noteworthy events throughout the year such as Culturals, Literary Debating events, Theatre, Sports and Academics. Some of the sports events organized by the CUS are meant for the faculty as well. Some of the important events organized by the CUS regularly are given below:

**College Auditions:** The college Auditions seek to identify various talents and abilities of students through a series of competitions focusing on cultural as well as literary and debating events.

**Aurora:** Aurora is a cultural event organized exclusively for the women students of the College. It aims to serve as a platform for women students to display their unique talents and abilities.

**Theatre Night:** Theatre night is an extravagant and high-quality display of drama and theatre in the College, conducted by the CUS. Theatre Night has been the springboard for many students to enter professional theatre career.

**Deepwoods:** Deepwoods is an intercollegiate cultural event organized annually by the CUS. The three-day iconic event attracts participants from various colleges across Chennai and all over the country. It offers an array of exciting events ranging from music to dance, debates and arts. Students generate the funds needed for this event through sponsorship and entrepreneurship and in the process, they hone their administrative and leadership skills.

**Sports:** There are various sporting events organized by the CUS such as the Danis Esau Memorial Inter-collegiate football tournament, Teacher's Day Sports etc. CUS is also involved in many social welfare activities such as organizing blood donation camps and cleaning up the College premise through 'Campus Cleaning Programme'. The CUS has also played a stellar role in collecting and distributing relief material during natural calamities like floods and cyclones.

To Conclude, the CUS of MCC is a role model for how student councils should be elected and how they should play a significant and meaningful role in enhancing the quality of a higher educational institution.

## 5.4 – Alumni Engagement

### 5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Madras Christian College Alumni Association is the oldest of its kind in India, formed in the year 1891 with the objective of fostering long term relationships among the alumni in institutional building. It is a very active and highly successful alumni association playing a major role in the development of MCC. The Practice: The MCC Alumni Association has chapters all over the Country and in many major cities across the Globe. The chapters pay an active role in being a bridge between the local MCC alumni communities across the world and the parent Institution. They periodically organize meetings and get-togethers. The central unit of the MCC Alumni Association organizes many programmes and events throughout the year. The Executive committee of the MCC Alumni Association meets to transact business concerning alumni of the College and also developmental works of their alma mater. Over the years the Association has supported many noble causes of the College. Alumni are also involved in the Board of Directors and Board of Studies. The College itself has a dedicated Alumni and Public Relations Officer headed by an Alumni and Public Relations Officer. Academic Departments of the College, and the Halls of Residence, also conduct periodical alumni reunions. The College has initiated a unique program named "Distinguished Alumni Series" to honour and felicitate alumni who have significantly distinguished themselves in their field. Many of the alumni of our College are today in good position in Government and top organizations in the Country and abroad. Some of them come forward on a regular basis to meet the students and offer career counseling and advice. The alumni are invited for lectures by various Departments to give students a picture of the industry and latest developments in their field. Evidence of success: Around 1500 Alumni from across the globe, from various streams of life came together in July 2013 for a historic event called "Global Alumni Reunion." This Reunion was again held in 2016, to commemorate the 125 th year of the Association, where almost 2000 alumni participated and relived their student lives here on campus. The Alumni of the college have also contributed to the development of Infrastructure on the campus. In 2016, the Physics and Chemistry laboratories were renovated with sponsorship from our alumnae Ms Indra Nooyi, CEO of Pepsico, of the B.Sc. Chemistry 1974 Batch. Ms. Indra Nooyi also funded the renovation and modernization at MacNicol lounge for women faculty and students. Ms. Chandrika Tandon, an alumna of the College has set up a corpus fund (Rs. 6.00 Crores) for establishment of MCC Boyd-Tandon School of Business. Dr. K. Raman, an alumnus contributed Rs. 35,00,000 to equip the MCC Community College. The family of Late Eric Prabhakar, an Olympian donated Rs. 25,00,000 towards corpus for scholarship. Shri Suresh Krishna, Chairman TVS Sundram Fasteners Ltd, an alumnus of the College has donated Rs. 1.08 crores for airconditioning of the Anderson Hall of the College. MRF Ltd has donated Rs. 22 Lakhs for the installation of an elevator

### 5.4.2 – No. of registered Alumni:

4691

### 5.4.3 – Alumni contribution during the year (in Rupees) :

2924348

### 5.4.4 – Meetings/activities organized by Alumni Association :

ALUMNI The MCC Alumni Association organized many noteworthy events to maintain fellowship and camaraderie among the alumni and to keep up the vision of Rev William Miller, the founder of the Association. The MCC Alumni Association



conducted its Annual Alumni Carol Concert on 10 th amp 11 th December 2018 which was live streamed all over the world. Many alumni came back for reunions and campus tours to cherish and relive their nostalgic past at MCC. Departments such as Tamil, Botany, Commerce, etc. organized Department Reunions. The Quintessential Annual Old Boys Cricket match was conducted on 9 th February 2019.

## 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 Institution practices decentralization and participative management in all its activities and initiatives by involving the Deans, Heads of Departments/Units, faculty members and students at different levels of decision-making. The Governing Body of the College includes representatives from the Board of Directors, Government, University Grants Commission (UGC), Deans who are faculty of the College, Bursar and, the Principal and Secretary of the College. Recommendations from various committees of the College are brought to this Body, and after detailed review, decisions are taken. Issues are discussed and decisions are made to ensure the conduct of day-to-day affairs of the college, and matters relating to the Government and other stakeholders. Curriculum development, in line with advances in the industry, is done every year by most of the departments in the College. The Department conducts a Board of Studies meeting, which consists of the Department faculty, subject experts from other Colleges and student representatives. Once the new curriculum is framed, it is presented before the Academic Council for approval. The Academic Council consists of the Principal, University Nominee, Heads of the Departments and Units, and student representatives. These meetings are minuted, and suggestions are made with respect to changes in the curriculum.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

### 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):

Strategy Type	Details
Curriculum Development	Several Departments revised their syllabi to keep abreast with changes in the Industry. Departments that brought in changes in their curriculum include the Departments of Political Science, Economics, Chemistry, Zoology, Hindi (SFS), Geography, Tourism and Travel Management (SFS) and Visual Communication (SFS). The Department of Microbiology introduced the PhD program. The Department of Chemistry introduced a novel course on Cheminformatics. The process of curriculum development involves subject experts and individuals with industry experience. The Board of Studies is convened by the Head of the Department and the recommendations are brought to the Academic council for approval.



<p>Teaching and Learning</p>	<p>The Institution provides the required facilities to ensure that the teaching and learning methods are effective. LCD Projectors, laptops and software like SPSS and Tally are provided to Departments. Classrooms are equipped with smart boards and special training is provided to the faculty to use these technologies. Project Based Learning (PBL) has been facilitated in the Departments resulting in synthesizing of new information on the subject domain leading to presentation of papers in conferences.</p>
<p>Examination and Evaluation</p>	<p>The College adopts rules and regulations pertaining to examinations as and when they are introduced by the University of Madras. The double valuation system is followed to ensure fairness in the valuation of papers. The exam fee payment for regular and arrear papers are now being collected online. Detection of plagiarism with the use of URKUND software for all MPhil thesis has been made mandatory. Old Photocopying machines have been replaced by new machines for better use.</p>
<p>Research and Development</p>	<p>The College encourages Research Development through the Dean of Research Development. The Faculty members are involved in research and development extensively. The Institution has a number of research projects (both minor and major) from Government bodies, and Private institutions, both in the country and abroad. Faculty members are actively involved in presenting research papers in International and National Conferences organized both within and outside the country in addition to publishing articles in reputed journals. The College allocates annual grants to the Research Development Deanery to provide research grants.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The Library has been completely revamped in terms of infrastructure and the accessibility of resources. Various new sections are introduced exclusively for references, book banks, competitive exams, periodicals, maps, projects and theses, etc. RFID facility is also installed in the library. The library acquired access to many online databases through subscription and is using D Space for managing the digital</p>

contents. The Staff browsing center was also renovated. The library through ICT helps in empowering faculty and students to achieve excellence. Rain water harvesting system has been installed with about 66 wells of various dimensions which would help in harvesting almost a third of the campus' annual consumption of water. The gates to the College have been renovated. The Statistical Computing Laboratory with new computers, servers, and staff console was dedicated for the use of students. Kitchens in the Halls were renovated. A modern Students Centre with modular kitchens and alluring dining arrangements were dedicated and opened for use. The Quartoseptcentennial Building with spacious classes was declared open. MCC Infirmary was also opened with obligatory equipment for best medical services to the community.

Human Resource Management

The Dr. Chandran Devanesen Centre for Human Resource Development conducts various programs from time to time for both students and faculty members. Training programs and workshops on various issues are organized by different Departments regularly which help the faculty to stay abreast of the latest developments in the respective fields. These programs help in increasing the morale of the faculty members and help them to easily adopt new technologies and methods.

Industry Interaction / Collaboration

The Library has an institutional collaboration with INFLIBNET, DELNET, American Consulate Library, and the British Council Library. Organisations like TCS, CTS, Wipro, IBM, Deloitte US India, Daimler, Mckinsey, Ernst Young, Zoho, Vijay TV, Thompson Reuters, Citibank, Royal Bank of Scotland, Infosys, Hexaware, Sutherland, Velammal School, Zion School, Indian Public School, etc. have conducted campus interviews, and a good number of students have been placed. Experts from these organisations have been resource persons for various programs organised by the College. Internship recruitments from EY and Zoho were organised, and suitable students were selected. Besides interactions for placement and internship, various Departments of the College actively collaborate with the

	Industry to enhance knowledge exchange by way of inviting alumni and eminent persons from the industry for lectures, workshops and conferences.
Admission of Students	The College widely publicises admission to the College through the institution's website and by extensive advertisements in regional and national newspapers. A centralised admission process with updated software for efficient processing of application forms has been introduced. Admissions are made as per the reservation policy of Government of Tamil Nadu, and the Government of India. The College does not collect any capitation fee for admissions thereby ensuring quality intake of students.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	The process of planning and development is carried out effectively by using Information and Communication Technology (ICT) to exchange information between the Head of the Institution/Department/Units and the faculty. This ensures that decisions can be taken quickly and successfully.
Administration	Through e-governance, the institution is able to interact with all stakeholders in a convenient and efficient manner. The activities of various departments are well coordinated and implemented with the use of ICT. The Principal's Office communicates with the faculty members through emails and an official Whatsapp group. The institution also maintains personal information and records of the employees.
Finance and Accounts	All activities relating to finance and accounts have been computerised. Accounting software like Tally is used to keep track of all financial transactions.
Student Admission and Support	The Admission process begins with advertisements in newspapers, through social media and the College website. All applications can be purchased and submitted online. Admission fees are collected online. The entire admission process is centralised with the help of e-governance. The attendance of students is also maintained online.

<b>Examination</b>	The Examinations Office is equipped with computers and software. The results are declared online. Students can apply for their examinations and pay the fees online.
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### 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
2018	Dr. Ms. Beutline Malgija M.	International Conference on Phytomedicine	Department of Botany, Bharathiar University, Coimbatore, Tamil Nadu	4000
2018	Mrs. D. Ramala Singh	Training Programme on Advanced Statistics Inferential Analysis	MSME Technology Development Centre, Guindy, Chennai, Tamil Nadu	17700
2018	Dr. B. Prince Solomon Devadass	1st Multidisciplinary International Conference on Social Responsibility of Educational Institutions in Developing Countries (ICSEDC)	Sri Ramakrishna Mission Vidhayalaya College of Arts Science, Coimbatore, Tamil Nadu	1550
2018	Mrs. S. Indumathi	Two Days National level Workshop on Teaching English with Technology	St. Josephs College, Tiruchirappalli, Tamil Nadu	1550
2018	Dr. Ms. Beutline Malgija M.	Research Article in the International Journal of Scientific Research in Biological Sciences, Vol. 5, Issue 4	The International Scientific Research Organization for Science, Engineering and Technology, Indore, Madhya Pradesh	1550
2018	Mr. Vivek Nagarajan	International Seminar on Nautical	Nanjil Catholic College of Arts	3000

		Literature	and Science, Kanyakumari, Tamil Nadu	
2018	Sandhya Ravishankar	The Malaysia International Conference on Languages, Literatures and Cultures	University of Putra, Malaysia	627
2018	Mr. Vivek Nagarajan	National Educational Seminar on Outside the Four Walls: The Nature of Unconventional Teaching	Charya Institute of Graduate Studies - Bangalore	800
2018	Mrs. E. Sweetline Priya	Training Programme on Advanced Excel	MSME Technology Development Centre, Guindy, Chennai, Tamil Nadu	5000
2018	Ms. D. Selvakumari	State Level Workshop on Molecular Docking	Dwaraka Doss Goverdhan Doss Vaishnav College, Arumbakkam, Chennai, Tamil Nadu	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Practising Christian Faith through Social Action	Nil	09/07/2018	09/07/2018	120	Nil
2018	Caring for My Neighbor: The Search for a Relevant Social	Nil	12/07/2018	12/07/2018	150	Nil

	Ethic					
2018	Importance of Psychological Interpersonal Staff-Student Relationship	Nil	27/07/2018	27/07/2018	11	Nil
2018	Who Draws the Lines?	Nil	11/10/2018	11/10/2018	80	Nil
2019	Science and Progress - The Philosophy of Modern Medicine	Nil	10/01/2019	10/01/2019	50	Nil
2019	Using the Skill Will Matrix for Students	Nil	09/02/2019	09/02/2019	10	Nil
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Refresher Course - UGC-HRDC, University of Madras, Chennai, Tamil Nadu	2	23/08/2018	12/09/2018	21
Faculty Development Programme - Research Department of English, St. Josephs College, Tiruchirappalli, Tamil Nadu	1	20/08/2018	21/08/2018	2
Orientation Programme - UGC-HRDC, University of Madras, Chennai, Tamil	4	16/08/2018	12/09/2018	28

Nadu				
Faculty Development Programme - Department of Chemistry, Womens Christian College, Chennai, Tamil Nadu	1	20/07/2018	21/07/2018	2
Refresher Course - UGC-HRDC, University of Madras, Chennai, Tamil Nadu	2	04/07/2018	24/07/2018	21
Refresher Course - UGC-HRDC, Bharathidasan University, Tiruchirappalli	1	19/06/2018	09/07/2018	21
Certificate Course - Bioinformatics Institute of India, Noida, Uttar Pradesh	2	01/06/2018	01/04/2019	305
Refresher Course - UGC-HRDC, Pondicherry University, Puducherry	2	08/06/2018	28/06/2018	21
Orientation Programme - UGC-HRDC, Sri Venkateswara University, Tirupati, Andhra Pradesh	1	06/08/2018	01/09/2018	28
Refresher Course - UGC-HRDC, Sri Venkateswara University, Tirupati, Andhra Pradesh	1	13/08/2018	01/09/2018	20

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching
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Permanent	Full Time	Permanent	Full Time
13	40	11	6

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, UTI Pension Scheme, Group Insurance Scheme, Government Health Insurance Scheme, Special Provident Fund, Contributory Pension Scheme, Teachers Provident Fund, Employees State Insurance Scheme, Employees Group Gratuity Scheme, UTI Retirement Benefit Pension Fund, Cooperative Thrift Credit Society, Fee Concession, MCC Infirmary and Medical Checkup, Exgratia Tea and Coffee during break time, Childrens Park	EPF, UTI Pension Scheme, Group Insurance Scheme, Government Health Insurance Scheme, Special Provident Fund, Contributory Pension Scheme, Employees State Insurance Scheme, Employees Group Gratuity Scheme, UTI Retirement Benefit Pension Fund, Cooperative Thrift Credit Society, Fee Concession, MCC Infirmary and Medical Checkup, Exgratia Tea and Coffee during break time, Childrens Park, Festival Gift.	Insurance, and Scholarships (Government and Management)

#### 6.4 – Financial Management and Resource Mobilization

##### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The College Accounts are audited by internal audit team. CA. M. Ahamed Rasool Chartered Accountant The internal auditors have been doing audit regularly and submit report for every quarter. They are covering/verifying the following areas. • Budget vs Actual analysis. • Fixed deposits and interest receipts • Fixed Assets Purchases • Fee Collections • Statutory Compliance on TDS, EPF ESI The internal auditors would escalate the queries/mistakes, found by them, if any to the College through their quarterly reports and the College would rectify the same. The College Accounts are audited by External audit team. G S S Associates Chartered Accountants STATUTORY AUDIT The External Auditors (Statutory Auditor) would conduct statutory audit every year and submit their audit report along with notes to Accounts. The College would file the audited accounts with Income Tax Department, Registrar of Companies and Ministry of Home affairs in the form of annual returns.

##### 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Dr. Crispin Devadoss Endowment - Botany	350000	Received from various Sponsors towards Endowment Fund
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##### 6.4.3 – Total corpus fund generated

16902051
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#### 6.5 – Internal Quality Assurance System

##### 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?



Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Null	No	Null
Administrative	No	Null	No	Null

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

**Orientation Program :** The College invites the student and their parents / local guardians to the orientation program that is organised on the first day that the student joins the college. This program orients the students and the parents on the programs and extra-curricular activities that are offered by the college. A tour of the campus also gives them a glimpse of the beautiful heritage of the college. **College and Department Programs:** The parents are also invited for various programs organized by the college and the departments. Some of the programs include Department fests, farewells, convocation etc. **Parent Teacher Interactions :** The parents of students are kept informed through mentors or the head of the department of the academic performance of their wards. Parents are also notified of the attendance percentage every month. Any other behavioral and attitudinal issues are also brought to the attention of the parents.

6.5.3 – Development programmes for support staff (at least three)

**Festival and Farewell Celebrations Psychological support and Fellowship every month Medical Camps by the College Infirmary Training programmes and workshops on Women Empowerment.**

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

**Introduction of Urkund Software in the Library Introduction of Innovative, Interdisciplinary courses Collaborations with Industry**

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Enlightenment Enclave	10/07/2018	10/07/2018	10/07/2018	150
2018	Sharing Knowledge you had abroad (SKY)	18/07/2018	18/07/2018	18/07/2018	60
2018	Young Faculty Review Meetings	31/07/2018	31/07/2018	31/07/2018	122
2018	Regular Meeting of IQAC	14/09/2018	14/09/2018	14/09/2018	5

2018	Enlightenment Enclave	24/09/2018	24/09/2018	24/09/2018	150
2018	National Institutional Ranking Framework (NIRF) - 2019	28/11/2018	30/10/2018	28/11/2018	6971
2019	Institutional Information for Quality Assessment (IIQA)	08/01/2019	10/12/2018	08/01/2019	7171
2019	Enlightenment Enclave	11/01/2019	11/01/2019	11/01/2019	150
2019	Enlightenment Enclave	22/01/2019	22/01/2019	22/01/2019	300
2019	Young Faculty Review Meetings	31/01/2019	31/01/2019	31/01/2019	126
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## 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	Period To	Number of Participants	
			Female	Male
Movie Pink was screened	27/08/2018	27/08/2018	41	23
Movie Review of film "Shamefully" by Ms. Nishanthi	12/09/2018	12/09/2018	41	23
Mr. Suresh Anand, Project Coordinator, State Resource Centre and his team from One Stop Centre, Tambaram addressed the students on "Women helpline 181"	08/03/2019	08/03/2019	30	42
'Gender Parity: Pathway to a Shared	04/04/2019	04/04/2019	38	25

Humanity through the He for She campaign' by Dr. Ann Thomas, Department of English

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

1. 48 Percent of power requirement is met by Solar energy in 2018-19 2. Rain water harvesting has been renovated to meet the existing demand. 3. LED-lighting has been installed which is more energy efficient. The existing lighting and other electronic appliances are being replaced with more energy efficient appliances, reducing energy footprint of the college.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	450
Physical facilities	Yes	11
Ramp/Rails	Yes	4
Rest Rooms	Yes	11
Scribes for examination	Yes	11
Special skill development for differently abled students	Yes	11
Any other similar facility	Yes	11
Braille Software/facilities	Yes	4

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	25	27	21/06/2018	2	Yoga day	International Yoga day	116
2018	25	27	26/06/2018	2	Awareness about Drug Abuse	A rally was organized in observance of "International Day against	100

						drug abuse and illicit trafficking", starting from lifestyle building to Amirtha catering at Kandan chavadi	
2018	25	27	03/07/2018	2	Leadership and Skills	LEADERSHIP TRAINING PROGRAMME by Prof. Ninan John.	40
2018	25	27	24/07/2018	2	Awareness program on Importance of wearing College ID	ID CARD RALLY rally inside the campus during morning and evening break hour to create awareness among the students about the importance of wearing ID card	40
2018	25	27	28/07/2018	2	Awareness on cleaning	CLEAN CAMPAIGN by NSS volunteers joining hands with SBSI volunteers went to the local residents of Gypsy colony in Mappeddu	50

2018	25	27	01/08/2018	2	Diabetes Screening Inaugural program	SBSI VA LEDICTORY DIABETES SCREENING INAUGURAL by Dr.Prasanna Kumar Gupta, Assistant Director, (Mohan's Diabetes Specialties Centre)	50
2018	25	27	01/08/2018	3	Diabetes Screening test	FREE DIABETES SCREENING TEST	170
2018	25	27	18/08/2018	2	DISASTER MANAGEMENT WORKSHOP	DISASTER MANAGEMENT WORKSHOP	70
2018	25	27	17/08/2018	240	Kerala flood relief	KERALA FLOOD RELIEF WORK	25
2018	25	27	19/08/2018	120	Kerala flood relief	The college NSS team along with the College Union Society, MCC joined together to reach out and help the flood affected people in Kerala.	32

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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Student Code of Conduct: College Calendar	11/06/2018	A part of college calendar, a copy each of which is distributed to each student at the beginning of academic

year consists of Rules and Regulations regarding conduct while in premises of college, department, during examinations, academic regulations including articles on definition of ragging, and on college policy on ragging.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International day of drug abuse and illicit trafficking, rally in Tambaram railway station	26/06/2018	26/06/2018	30
International day against drug abuse, Kandanchavadi, OMR	26/06/2018	26/06/2018	100
Mime on safe society for women at this era of murder and rape, Independence day celebration, Quadrangle, Madras Christian College	15/08/2018	15/08/2018	42
Workshop on Disaster management, Macphails, Madras Christian College	18/08/2018	18/08/2018	70
Workshop on Human rights, Anderson Hall, Madras Christian College	24/08/2018	24/08/2018	600
National Integration Camp, Sardhar Patel University, Gujarat	25/11/2018	01/12/2018	2
One day workshop on Migration and Human Trafficking, Department of Criminology, University of Madras	11/12/2018	11/12/2018	20
Plastic Awareness programme, Streets of East Tambaram	11/01/2019	11/01/2019	50
A follow-up	14/01/2019	16/01/2019	30

workshop on implementation of curriculum in Peace studies for teachers of 5 institutions in Jaffna, Srilanka			
Training programme on crowd regulation during Pongal festival by infantry and airwing cadets at Arignar Anna Zoological park, Vandalur	17/01/2019	17/01/2019	30
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Renewable resources such as solar energy (48) is used. 2. Special dustbins are placed to collect plastic/non-biodegradable waste. 3. Rolling Trophy for cleanliness and proper waste disposal in Halls of Residence was given by the Scrub Society. 4. Students were taken for regular campus walks for bird watching and to educate them about the scrub jungle ecosystem. 5. "Keep Campus clean", "Save water", "Avoid Plastics" campaigns were conducted to promote general eco- friendly awareness among the students. 6. Bicycles are used by students which is eco-friendly.

#### 7.2 – Best Practices

##### 7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Solar Power Plant Objective / Best Practice: To provide a green campus Solar Power Plant has been installed at 500 KV Ground @ Farm and 100KV Rooftop @ Botany Department The Context: Green campus - To trap sunlight and generate electricity. The Practice: There is an ever increasing demand in energy especially electricity, hence, renewable energy like sunlight could be trapped which in turn generates electricity. Hence the college has installed solar panels as an alternative source of energy to serve the 360Acre campus. Coverage area 100x80 with 1600 panels and each panel -315 watts. Evidence of Success: About 49 electricity for the campus is generated from this renewable source. Problems encountered and resources required: Nothing mentionable. 2. Title of the Practice: Innovative methodology in Teaching - Learning Process Objective / Best Practice: Innovative methodology in teaching - Learning Process The Context: Innovative ideas, creativity, skit performance are encouraged and included in the syllabus as a part of Internal Continuous Assessment - 3 of the college. The Practice: Self and peer assessment technique- through Quiz and Seminars is regularly done. A Tutor/mentor is responsible for the student growth addressing their grievances. Every teacher in the Department is allotted 15 students as Mentees every year. The mentors will look after students academic as well as personal issues. A final semester Project which concentrates on Green Studies, Womens Writing, Art and Aesthetics Movements, and Cultural Studies is being regularly done by the Literature department. Department of Chemistry offers value-added course 'Cheminformatics' through the School of Continuing Education, MCC from 2018-2019 onwards. Evidence of Success: Research articles published in reputed journals are displayed in the department to showcase the research activities of the department and also to encourage the staff, research scholars and students of the Department of

Chemistry (Aided). Best Field Work Student and Best Camper in Rural camp is awarded every year for the students of BSW (SFS). The Book review club is an effort to motivate students to read books to enhance knowledge on corporates and practical world. This club operates with reviews on books by renowned authors and corporate houses. This updates students with a broader perspective of Management concepts. The Department of Geography, Tourism Travel Management could create awareness on ecologically sustainable urban settlements by organizing exhibitions. Problems encountered and resources required: More resources are required to perform all the activities of the students during the learning process.

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

### 7.3 – Institutional Distinctiveness

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

**Academic Excellence:** Madras Christian College has good infrastructure, a campus rich in Biodiversity with adequate residential facilities for students and staff, apart from a farm and other related amenities that contribute to the sustenance of the Excellent Status of the Institution in academics. According to the Ministry of Human Resource Development (MHRD) National Institutional Ranking Framework (NIRF), MCC obtained 10th position in the category of 'Arts and Science Colleges' in the country. In 'The Week' ranking of Colleges, MCC is ranked the 6th position in India. Also MCC is ranked No.1 in Chennai according to 'India Today' ranking. Our College maintains its position within the Top Ten Colleges in the country. Another area, in which the academic standards are high at MCC, is the infrastructure developments. Rain Water Harvesting System at MCC was dedicated on 5th July 2018. The project has been funded by Asian Paints as part of their CSR and was facilitated by Dr. Sekhar Raghavan (Physics Alumnus of MCC, 1964 -1969) through Akash Ganga Trust, Chennai. The project comprises 66 wells of various dimensions. The total quantity of rain water harvested through this project in the College premises in a year would be an overwhelming and astounding quantity of 1, 27, 57,640 litres, which is approximately a third of our campus annual consumption of water. A computerized rain gauge has been installed to monitor rainfall and to measure the quantum of water charged into the soil on a daily basis. The Halls of Residence are governed by the students. A cabinet is present which comprises of the Chairman, General Secretary and the team. The team discusses issues, consults with the residents and decisions are taken. The Hall administration has been executed through 'STUDENT AUTONOMY' and is unique practice and legacy that enriches students with capacity building towards leadership. Unique way of conducting ICAT III: Of three ICATs, conduct of ICAT III is based on innovative techniques and will span over the entire duration of the semester. Department of Chemistry conducts in a unique way to bring out the presentation of skills on their learning and understanding the core subjects. Each class is allotted a day towards the end of the semester. On that day, the students exhibit their presentations, which involve micro-projects, review work, pedagogy techniques, model making etc. The outcome of such innovative conduct of ICA III resulted in paper presentations in different conferences, publications and also project proposals. Attendance for the students of our College are marked through Wi-Fi enabled Tabs has been introduced from 2018. This system facilitates many analysis of this attendance data, including periodical reporting of status to students and parents online. Serving Humanity is a part of Madras Christian College hence MCC Kotagiri Community College (MCC KCC) was dedicated on 27th August 2018 which offers two Diploma Programmes (Diploma in Healthcare, Diploma in Hospitality Retail



Marketing) and Coaching Classes for few competitive examinations. Another Community College named MCC Hanshin Hope Centre at Mudichur was declared open on 17th October 2018

Provide the weblink of the institution

### **8.Future Plans of Actions for Next Academic Year**

Based on the events conducted and the requirements of the mandatory bodies, the Administrators of the College and the IQAC devised the Plan of action for the Academic year 2018 - 2019 as follows: 1. Efforts to be taken to improve the NIRF ranking by addressing the areas that were identified in the process of preparing for NIRF ranking 2. To plan and prepare the for IIQA and SSR submission under the guidance of Dr. T. Robinson, IQAC Coordinator. 3. Data compilation and validation for AQAR submission for the Academic years 2015-16, 2016-17, 2017-18 to be done 4. Data compilation for AISHE to be done in parallel to AQAR submission. 5. Submission of FIST 2019 application 6. Revision of Course Feedback Questions to students 7. Planning and preparation for Expert Committee visit for Autonomy Extension. 8. Preparation for Institutional Swachhta Ranking 2019 Planning and preparation for the Expert Committee visit to the College 9. Planning and preparation for NAAC Peer team visit for Accreditation (3rd Cycle) 10. Conduct Workshop on Intellectual Property Rights and Patent Development by IQAC. 11. Data compilation, verification and preparation for NIRF 2020.