



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	MOHAMED SATHAK COLLEGE OF ARTS AND SCIENCE
Name of the head of the Institution	Dr .R.MEGANATHAN
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04424501115
Mobile no.	8870717071
Registered Email	principal@mscartsandscience-edu.in
Alternate Email	iqac@mscartsandscience-edu.in
Address	MOHAMED SATHAK COLLEGE OF ARTS AND SCIENCE,NO13, MEDAVAKKAM ROAD, SHOLINGANALLUR, CHENNAI
City/Town	CHENNAI
State/UT	Tamil Nadu

Pincode	600119																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	DR.M.SYED ALI																		
Phone no/Alternate Phone no.	04424501115																		
Mobile no.	9842052929																		
Registered Email	iqac@mscartsandscience-edu.in																		
Alternate Email	syedmicro555@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.mscartsandscience-edu.in/">http://www.mscartsandscience-edu.in/</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.mscartsandscience-edu.in/index.html">http://www.mscartsandscience-edu.in/index.html</a>																		
<b>5. Accreditation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>B</td> <td>2.10</td> <td>2016</td> <td>29-Mar-2016</td> <td>28-Mar-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	2	B	2.10	2016	29-Mar-2016	28-Mar-2021
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
2	B	2.10	2016	29-Mar-2016	28-Mar-2021														
<b>6. Date of Establishment of IQAC</b>	01-Jul-2007																		
<b>7. Internal Quality Assurance System</b>																			
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															

International Yoga Day	21-Jun-2018 3	50
International Drug Abuse Day-Mass Human Chain	26-Jun-2018 5	300
Bridge courses conducted by IQAC CELL to over all college	16-Jul-2018 3	1640
General Psychological Counselling for Students	03-Aug-2018 3	1149
Swatch Bharath Cleanliness Campaign-Human Rally	14-Aug-2018 3	200
General Psychological Counselling for Students	14-Sep-2018 3	663
Parents and Teacher's Meeting	15-Sep-2018 3	150
IQAC Review Meeting	20-Sep-2018 2	36
FDP on Quality Assurance and Sustenance in Higher Education by Dr.Syed Shahabudeen- Former Principal, Islamiah College, Tamilnadu	30-Jan-2019 3	185
IQAC Review Meeting	01-Feb-2019 2	36
IQAC Review Meeting	16-Feb-2019 2	36
Parents and Teacher's Meeting	02-Mar-2019 2	100
Students Satisfaction Survey (SSS) conducted in online mode with the questionnaire prepared by IQAC	18-Feb-2019 5	500
Performance Appraisal System (PAS) for teaching staff by subject expert	19-Feb-2019 5	196
NAAC Files verification and Academic Administrative Audit by IQAC Members	22-Apr-2019 5	28

**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
<b>No Data Entered/Not Applicable!!!</b>				

No Files Uploaded !!!

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

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

[View File](#)

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

No

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

? The feedbacks on teaching learning evaluation were obtained from the students through online mode. ? Bridge Course for all first year students are conducted to make the students aware of the curriculum, content and importance of the subject. (16/07/2018 - 20/07/2018). ? Conducted students counseling for 1st year students by IQAC Cell (03/08/2018 14/09/2018). ? A special lecture on "Faculty development programme on Quality assurance and substance in higher education" was conducted of the teaching staff members on 30.01.2019. ? Performance Appraisal System (PAS) for teaching staff by subject expert (19/02/2018 - 22/02/2018).

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**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**

Plan of Action	Achivements/Outcomes
To conduct Internal/ external academic audit	Internal Academic Audit conducted in April 2018. External Academic Audit and Performance Appraisal System (PAS) for Teaching staff by subject expert conducted in February 2018.
Feedback System	Students Satisfaction Survey (SSS) conducted in online mode (Google form) with the questionnaire prepared by the IQAC by (Above 75% of attendance) in February 2018
Bridge courses	Bridge courses conducted by IQAC to overall college

General Counselling	Conducted general Psychological Counselling for Students on 14/09/2018
To apply NIRF Rank	Submitted data for NIRF on 20.11.2018
To organized Swatch Bharath Cleanliness camp	Swatch Bharath Cleanliness Campaign-Human Rally on 14/08/2018
To organized an FDP programme	FDP on Quality Assurance and Sustenance in Higher Education by Dr.Syed Shahabudeen (Former Principal, Islamiah College) on 30/01/2019,conducted by IQAC
No Files Uploaded !!!	

<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>	No
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	06-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>Web based College Management ERP system is designed and implemented from 2016 to automate organization and management of administration for both academic and admin purpose. The CMS operate with several modules. The admin, staff, head and students can log in individually using their own username and password.</p> <p>Profile Module: Profile Module involves: Institution Profiles, Staff Profile, Academic Calendar, User Roles Setting, Staff Department Mapping, Common Master and Course Creation.</p> <p>Report: 1. Staff Nominal Report 2. Academic Calendar Report 3. Day Order Report Admission Module: Admission Module involves: Application Enquiry, Application Validation Process, Admission Process, Section Allotment, Course Transfer, Student Profile and TC Generation. Report: 1. Application Enquiry Report 2. Admission Report 3. Admission Student Report 4. Course Wise</p>

Strength Report 5. Student Nominal Report 6. Dropout Student Report 7. Course Transfer Report Fee Module: It consists of Fee Plan Creation, Installment, Discount, College Fee Collection, Bus Fee Collection, Hostel Fee Collection, Receipt Cancellation and Manual Receipt Report: 1. Fee Plan Report 2. Daily Fee Collection Report 3. Fee Receipt Cancellation Report 4. Course Wise Fee Collection Report 5. Student Wise Fee Collection Report 6. Component Wise Fee Collection Report 7. Individual Student Fee Collection Report Inventory Module: Inventory consists of Item Master, Vendor, Stock Entry, Item Issue and Item Return Report: 1. Stock Entry Report 2. Item Issued Report 3. Current Stock Report SMS Module: It consists of SMS Gateway Setting, Send SMS To Student Staff and SMS Sending Status

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

- Subjects are allotted to the staff of the department in a department meeting by the Head of the Departments.
- Workload for each staff member will be determined and the class and staff time table will be devised.
- The staff members will prepare the detailed lesson plan to complete the syllabus within stipulated time.
- The lesson plan is documented with the counter sign of HOD and Principal.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
<b>No Data Entered/Not Applicable !!!</b>					

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Chemistry	11/06/2018
BSc	Psychology	11/06/2018
BSc	Home Science Clinical Nutrition and Dietetics	11/06/2018
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) 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>		

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
<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
Diploma in Medical Laboratory Technique	02/07/2018	23
<b>No file uploaded.</b>		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MBA	Management Studies	39
MSc	Computer Science	6
MSc	Biotechnology	10
MSc	Biochemistry	4
MSc	Applied Microbiology	13
MSc	Applied Electronic Science	9
MSc	Information Technology	4
MSc	Visual Communication	2
MCom	Commerce	9
BSc	Hotel Management- Industrial exposure Training at Star Hotels	10
BSc	Hotel Catering	14
BCom	Information System Management	4
BCom	Computer Application	23
BCom	Institutional Training- Corporate Secretaryship	10
BBA	Project	40
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## 1.4 – Feedback System

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

Students	Yes
Teachers	
Employers	
Alumni	

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

**Feedback Obtained**

The feedback on Teaching Learning Evaluation were obtained from the students. The feedback scores given by the students were processed and analysed. The individual appraisal reports of the teachers were handed over to the Heads of the respective departments for the distribution to the teachers concerned. The Heads interacted with their faculty members about their feedback in the department meeting and the same was recorded as minutes. The overall performance of the faculty members based on the feedback obtained from the students was found to be encouraging. Senior faculty members from other colleges / university interacted with the staff members. They grade the efficiency of the teachers while taking the subjects to the students during the class hours and reports were submitted to the Principal. The feedback reports from all the above sources were consolidated and submitted to the Principal for taking appropriate remedial measures wherever necessary.

**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
MSc	Biotechnology	26	10	10
MSc	Applied Microbiology	26	14	14
MSc	Applied Electronics	26	7	7
MSc	Visual Communication	26	1	1
MSc	Mathematics	40	19	19
MCom	Management	40	22	22
MBA	Managment	60	37	37
MCA	Computer Application	60	2	2
MPhil	Biotechnology	8	1	1
MPhil	Microbiology	8	1	1
PhD or DPhil	Biotechnology	1	1	1
PhD or DPhil	Microbiology	2	2	2
PhD or DPhil	Biochemistry	2	2	2
PG Diploma	Gene Manipulation	25	10	10
PG Diploma	E-Commerce	40	40	4
BCom	General	234	234	233
BCom	Accounting and Finance	154	154	147
BCom	Information	70	70	67

	System Management			
BCom	Corporate Secretaryship	154	154	145
BCom	Computer Application	77	77	77
BCom	Bank Management	77	77	76
BBA	Management	210	210	208
BCA	Computer Application	165	165	165
BSc	Computer Science	165	165	159
BSc	Psychology	50	8	8
BSc	Home Science-Clinical Nutrition and Dietetics	50	11	11
BSc	Chemistry	50	29	29
BSc	Biochemistry	50	45	45
BSc	Biotechnology	50	41	41
BSc	Microbiology	100	49	49
BSc	Electronics & Communication Science	50	17	17
BSc	Hotel & Catering Management	50	13	13
BSc	Visual Communication	50	50	50
BSc	Mathematics	50	30	30
BA	English	70	18	18
BCom	General-Evening College	70	70	69
BSc	Computer Science-Evening College	100	13	13
BBA	Management	70	13	13
BCA	Computer Application	100	11	11
MSc	Computer Science	26	8	8
MSc	Information Technology	26	4	4
MSc	Biochemistry	26	7	7
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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	1640	145	146	13	64

## 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
106	106	2	2	2	2

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

The mentors are responsible for providing support to, and feedback on, the students in his/her charge. Mentoring program is an offshoot of counselling. The college have introduced the mentoring programme for all students of the college as they are in their transition period of life. Mentoring programme revolves around the mentors meeting students every month. It aims at strengthening the dynamics of caring, sharing and learning knowledge, skills, attitudes, academic heights, personal growth and professionalism between the mentors and the students. The process of mentoring through the year commences with the nomination of the mentors from the respective departments, orientation programme to the mentors, printing of the work book, getting acquainted with the work book "mentoring through the year". Monthly meeting are structured and recorded in the work book. We are able to maintain the matrix of 1:25 ratio (one staff for 50 students in cases) as all the staff members are involved in the process of mentoring. The students are highly encouraged to meet their mentors during the course of the month. Nevertheless, students must meet their mentors once in a month during the allocated time given to them. The mentors are highly encourages to refer the needy students for counselling and the counsellor meets them and helps their troubled areas of life.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4863	196	1 : 25

## 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
196	196	0	48	54

### 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
2018	Dr. A.Purushothaman	Vice Principal	Nominated as Member and Subject Expert by University of Madras for granting approval to faculty members of

			Biochemistry in a special drive conducted by University during 201819.
2019	Dr. A.Purushothaman	Vice Principal	Appointed as Member of Academic Audit, Hindustan College of Arts and Science, Chennai.
2018	Dr. A.Purushothaman	Vice Principal	Invited Reviewer of the Journal Current Nutrition Food Science, Bentham Science Publishers <a href="https://benthamscience.com">https://benthamscience.com</a>
2019	Dr. A.Purushothaman	Vice Principal	Invited Reviewer of Malaysian Journal of Science Faculty of Science University of Malaya 50603 Kuala Lumpur
2018	Dr.S.Bhagavathy	Assistant Professor	Appointed as a Panel Member in the UG Board of Examination, Bharathiar University, Coimbatore
2018	Dr.S.Bhagavathy	Assistant Professor	Invited as a guest Speaker in Prince Shri Bhavani College of Arts and science, Medavakkam, Chennai
2018	Dr.S.Bhagavathy	Assistant Professor	Appointed as a Reviewer in the Journal of Pharmaceutical Sciences
2018	Dr.R.Rajan	Assistant Professor	Outstanding teacher award from "Indian Association of Applied Microbiologists"
2018	Dr.R.Rajan	Assistant Professor	Dr. Radha Krishnan Teaching Excellence award" from "International Association of Lion club" , Chennai
2018	Dr.M.Syed Ali	IQAC / CIQA	Dr.A.P.J.Abdul

		coordinator	kalam scientific excellence award " from Marina Labs, Chennai
2018	Dr. G. Purushothaman	Assistant Professor	Dr.A.P.J.Abdul Kalam Life Time Achievement National Award
2018	Dr. G. Purushothaman	Assistant Professor	3rd National Business Research Conference @ D.B.Jain College Best Paper Award
2018	Mr.K.Velayutham	Assistant Professor	Served as a subject expert committee member for selection of staff for the visual communication appointed by e university of Madras
2018	Mr.K.Velayutham	Assistant Professor	Served as an Academic Auditor for the Dept. Of Vis.Com(D.B. Jain college)
2019	Mr.K.Velayutham	Assistant Professor	Served as an Academic Auditor for the school of media studies (Hindustan College of Arts and
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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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Assessment of performance is an integral part of teaching and learning process. The institution adopts Centralized Continuous Internal Assessment (CIA) system to assess all aspects of the students' development on a continuous basis throughout the year. Students are made aware of the evaluation process through the following initiatives. The orientation programme at the beginning of the semester through public address system of the college. Teaching plan contains evaluation procedures Academic Calendar with CIA and Model Exam dates

Orientation on changes and amendments in the evaluation process through Tutorial Meetings Display in the College and Department Notice Board. Result Analysis and Review Meeting: Result Analysis is done by the class tutors after every CIA and Model Test. Pass percentage of each course is calculated by dividing the total number of students appeared and passed in each course. The performance of the students is monitored by the Principal and the necessary feedback is given to the concerned faculty members. The Principal conducts Review Meeting department wise to give necessary feedback for the improvement of students' performance. Progress Reports Parents Meeting: The institution is keen on monitoring the performance of the students and reports to the parents Progress Reports are sent by the tutors to the parents after each of the test. Parents are advised to note the performance of their wards and take remedial classes if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for the discussion about the student. Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports. NSS activities and Placement Interviews. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers. External examinations of three hours duration will be conducted at the end of every semester or all the theory papers and practical papers. Students should satisfy the eligibility criteria of 75 attendance in each semester to appear for University Examination. The students who have arrears are permitted to write their papers in both the semester examinations. Representation in the Board of studies: The senior faculty members by the University act as the member of Board of Studies. At every meeting they suggest evaluation reforms and discuss any discrepancy in the Passing Board meeting. At the time of central valuation the examiners have the facilities to represent any out of syllabus questions. The chairman of the valuation Board will take necessary action. Reappearing/Revaluation: The students are informed of the Reappearing/Revaluation scheme available to them. Retotalling is permitted for U.G students who apply for it within the stipulated time on payment of prescribed fee. Revaluation is permitted only for the papers written in regular U.G examinations and not for arrear examinations.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Each department prepare the detail study plan, assignment for individual faculty and number of class allocation. Based on the report the subcommittee of teachers prepare a time table which is distributed to the students and teachers. The college prepare the academic calendar based on the input of University Examination schedule for academic working days, hours, internal examination and college events. The calendar also includes management committee, college committee for various events and members of committee and department faculties. The governing rules of institution for the betterment of students are listed in the calendar. The grievance and counselling cell details are enclosed in calendar. The outline of course, subject evaluation methodology also mentioned in the calendar to give the clarity on internal assessment metrics. The same has been instructed during the orientation session. The calendar distributed to all the students in the beginning of academic year.

**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)

<http://www.ms-cartersandscience-edu.in/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
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			appeared in the final year examination	in final year examination	
CPZ	BCom	General	192	50	25.99
CPG	BCom	Accounting & Finance	80	36	44.4
MAT	BCom	Information System Managment	11	3	27
CPW	BCom	Bank Managment	9	2	22.22
CPC	BCom	Computer Application	43	9	20.93
CYA	BCom	Corporate Se cretaryship	53	7	13.20
CPZ	BCom	General- Evening College	42	5	11.90
MAM	BBA	Business Management	99	31	31.31
SAE	BSc	Computer Science	121	46	38
SAZ	BCA	Computer Application	140	44	31.42
SAZ	BCA	Computer Application- Evening College	14	3	21.42
TAG	BSc	Electronics & Communicat ion Science	17	6	35.2
TAP	BSc	Biochemistry	45	20	44.44
TAN	BSc	Microbiology	48	22	45.83
SAC	BSc	Biotechnolog y	33	16	48
TAH	BSc	Hotel & Catering Management	14	14	100
SAX	BSc	Visual Commu nication	13	6	46.15
TAM	BSc	Mathematics	37	16	43.2
ARA	BA	English	29	23	79.31
PMF	MBA	Management	37	35	94.59
PSG	MCA	Computer Application	8	7	87.5
MEN	MSc	Biochemistry	4	2	50
KDA	MCom	Commerce	9	7	77.77

MDK	MSc	Biotechnology	10	7	70
MDT	MSc	Applied Microbiology	12	10	83.3
MDS	MSc	Applied Electronic Science	9	9	100
PSD	MSc	Computer Science	11	10	90.9
MFF	MSc	Mathematics	19	12	63.15
MCQ	MSc	Visual Communication	2	2	100
NB	MPhil	Microbiology	3	2	66.6
NT	MPhil	Biotechnology	4	4	100
No file uploaded.					

## 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)

<http://www.mscaartsandscience-edu.in/>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – 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
No Data Entered/Not Applicable !!!				
No file uploaded.				

### 3.2 – Innovation Ecosystem

3.2.1 – 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
"Rehabilitation and Ecological Benefits of Mangrove plantation – Muttukadu Backwater"	PG Research Department of Biotechnology	04/02/2019

3.2.2 – 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
No Data Entered/Not Applicable !!!				
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3.2.3 – 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
No Data Entered/Not Applicable !!!					

No file uploaded.

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>No Data Entered/Not Applicable !!!</b>		

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
<b>No Data Entered/Not Applicable !!!</b>	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Biotechnology	7	0
International	Biotechnology	5	0.45
National	Biochemistry	2	0
International	Biochemistry	20	2.21
International	Microbiology	2	3.16
International	PG Computer Science	1	8.5
International	B.Com Corporate Secretaryship	1	5.48
International	BBA	5	0

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

Department	Number of Publication
PG Research Department of Biotechnology	2
B.Com Corporate Secretaryship	1
B.Com Bank Management	2
PG Department of Business Administration	5
BSC Computer Science	2
Department of Bachelor of Computer Application	2
<b>No file uploaded.</b>	

#### 3.3.5 – 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
GCMS analysis and invitro antibacteria	Asha shalini, A., Syed Ali, M., Anuradha,	Biocatalysis and Agricultural Biotechnology	2019	0	PG Research Department of Biotechnology,	0

l and anti inflammatory study on methanolic extract of Thalassiosira weissflogii	V., Yogananth, N., Bhuvana, P				Mohamed Sathak College of Arts and Science	
Heart and liver regeneration in zebrafish using silver nanoparticle synthesized from Turbinaria conoides - In vivo	Syed Ali, M., Anuradha, V., Yogananth, N., Krishnakumar, S.	Biocatalysis and Agricultural Biotechnology	2019	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	1
Cultivation, quantification and pharmacognostic study of methanolic extract of Thalassiosira weissflogii	Ashashalini A., Syed Ali, M., Anuradha, V., Yogananth, N., Suganya V., Bhuvana, P	IOSR Journal of Pharmacy	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Antioxidant activity of Polysaccharide from Sargassum Sps	Revathi Chitra S., Syed Ali, M., Anuradha V., Shantha M., Yogananth N.,	IOSR Journal of Pharmacy	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Evaluation of Antitumor Properties Of Annona Reticulata (L.) Seed On Cancer Cell Lines	Ravimanickam T, Namitha Y, Yaminipriya D And Yogananth N	Journal of Pharma Research	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
The enhancement of kaempferol	Devi Maliga . K Yogananth	International Journal of	2018	0	PG Research Department	0

by yeast elicitor in callus cultures of Oxystelma Esculentum	. N	pharma and Bio Sciences				of Biotechnology, Mohamed Sathak College of Arts and Science
A study of Prevalence and Antimicrobial Susceptibility Pattern of Methicillin Resistant Staphylococcus	Savitha S And Yogananth N	International Journal of Pharma and Bio Sciences	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Pharmacological Activity of Biosynthesized Gold Nanoparticles from Brown Algae Seaweed Turbinaria conoides	Anuradha Venkatraman and Syed Ali Mohamed Yahoob and Yogananth Nagarajan and Sheeba Harikrishnan and Suganya Vasudevan and Tamizharasan Murugasamy	Nano World Journal	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Molecular Modeling of Angiotensin type 1 receptor for angiotensin receptor blockers	Dr.P.Praveena	International journal of current Research	2018	0	PG Research Department of Microbiology, Mohamed Sathak College of Arts and Science	0
Silver nanoparticles : A promising alternative approach to combat bacterial infections	Dr. S.Valli	The Pharma Innovation Journal	2019	0	PG Research Department of Microbiology, Mohamed Sathak College of Arts and Science	0
Comparison of Manual	Shamila Fathima S,	Biomedical Journal of	2019	0	PG Research	0

Versus Automated Data Collection Method for Haematological Parameters.	Packirisamy Meenatchi Ayyakkannu Purushothaman	Scientific Technical Research			Department of Biochemistry, Mohamed Sathak College of Arts and Science	
Antidiabetic efficacy of two major Compounds isolated from Coccinia grandis (L.) Voigt and their effect on insulinproducing cell line RINm5F in vitro.	A. Purushothaman P. Meenatchi	Proceedings of International Research Symposium on Pure and Applied Sciences, 2018 (IRSP AS2018), Sri Lanka	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Acyclic Isoprenoid Attenuates Lipid Anomalies and Inflammatory Changes in Hypercholesterolemic Rats	Ramalingam Sundaram, Purushothaman Ayyakkannu, Karuppiah Muthu, Sohara parveen Nazar, Shanthi Palanivelu, Sachdanandam Panchanatham	Indian Journal of Clinical Biochemistry	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Propugnating Effect of Bark of Rhizophora mucronata Against Different Toxicants Viz Carbon Tetrachloride, Ethanol and Paracetamol on HepG2 Cell Lines	Chitra J., M.Syed Ali, V.Anuradha, N.Yogananth, M.Gnanadesigan	Journal of Pharmacopuncture	2019	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0

Antidiabetic effect of Coccinia grandis (L.) Voigt (Cucurbitales: Cucurbitaceae) on streptozotocin induced diabetic rats and its role in regulating hepatic key enzymes	. Meenatchi, S. Maneemagalai	Proceedings of International Research Symposium on Pure and Applied Sciences, 2018 (IRSPAS2018), Sri Lanka	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Identification of glucosyl transferase inhibitors from Psidium guajava against Streptococcus mutans in dental caries	S. Bhagavathy C. Mahendran, R. Kanchana	International Journal of Traditional and Complementary medicine	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Anticarcinogenic effects of carotenoids from green algae Chlorella vulgaris against Benzo (a) pyrene induced lung cancer	S. Bhagavathy	Proceedings of International conference on "Phenotypic heritability as a driver of cancer progression"	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Phytochemicals Analysis, GCMS Characterization and In vitro Anti-Arthritis Activity of Nyctanthes	. Deepalakshmi Edemendie	International Journal of Research and Analytical reviews	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and	0

thesis Arbo rTristis Linn.Leaf.					Science	
Role of In flamatory Markers in Tumorogene sis	Suganya.V, Anuradha.V and Syed Ali.M	Internatio nal Journal Of Research and Analytical reviews	2018	0	PG Research Department of Biochem istry, Mohamed Sathak College of Arts and Science	0
Drug Safety Evaluation of Micro E ncapsulate d Astaxant hin for Sustained Drug Release	V. Suganya, V .Anuradha, M. Syed Ali, P. Sangeetha and P. Bhuvana	Journal of Pharmacy and Biological Sciences	2018	0	PG Research Department of Biochem istry, Mohamed Sathak College of Arts and Science	0
Antioxidan t, Antiinf lamatory and Antidi abetic Activity of Some Novel Chalcone and Piperidine Derivative s	Monisha E, Suganya V, Anuradha V, Syed Ali M	Internatio nal Research Journal of Pharmacy and Medical Sciences	2018	0	PG Research Department of Biochem istry, Mohamed Sathak College of Arts and Science	0
Physicoche mical Char acterizati on and Drug stand ardization of Nannoch loropsis oculata	Sangeetha P, V.Suganya , P.Bhuvana, V.Anuradha and M.SyedAli.	World Journal of pharmaceut ical and Medical Research	2018	0	PG Research Department of Biochem istry, Mohamed Sathak College of Arts and Science	0
Role of Inorganic Pollutants in fresh Water Ecosystem	Thangamala thi.S and V.Anuradha	Internatio nal Journal of Advanced Research in Biological Sciences	2018	0	PG Research Department of Biochem istry, Mohamed Sathak College of Arts and Science	0

Seasonal Variations In Physico - Chemical Parameters of Seven Different Lakes In Chennai, Tamil Nadu, India.	Thangamala thi.S and V.Anuradha	Journal of Environmental Science, Toxicology and Food Technology	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Antioxidant and Thrombolytic Activity of South Indian Date Palm Phoenix pusilla	Farhanaz.Bh, V.Anuradha, V.Suganya and Vijaya bharathi	European Journal of Pharmaceutical and medical Research	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Antioxidant , Antidiabetic and Antiinflammatory Potential of Phoenix Pusilla root An Unexplored Folklore Plant	Vijayabharathi.S and V.Anuradha	Journal of Pharmacy and Biological Sciences	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
In silico molecular docking of astaxanthin and sorafenib with different apoptotic proteins involved in hepatocellular carcinoma	V.Anuradha and Suganya	Biocatalysis and Agricultural Biotechnology	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	1
Proximate composition and invitro antioxidant properties of Rhizophora	Samanjit kaur, Syed Ali M, V.Anuradha, N.Yogananth , V.Suganya, P,Bhuvana	Asian Journal Green chemistry	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of	0

mucronata plant part extract					Arts and Science	
Pharmacognosy and radical scavenging potential of different plant parts of Anastatica hierochuntica	R Saranya, M Syed Ali, V Anuradha and M Safia	Journal of Pharmacognosy and Phytochemistry	2019	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Invitro anti inflammatory activity of mangrove plant Rhizophora mucronata	Samanjit kaur, M.Syed Ali, V.Anuradha, V.Suganya, A.Ashashalini, P.Bhuvana	Brazillian Journal of Biological Science	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Phytochemical, Fluorescence Screening and GCMS Analysis of Various Crude Extracts of Anastatica hierochuntica	Saranya R, M.Syed Ali, V.Anuradha	Journal of Pharmaceutical, Chemical and Biological Sciences	2018	0	PG Research Department of Biotechnology, Mohamed Sathak College of Arts and Science	0
Evaluation invitro antioxidant cytotoxic effect of 2thiohydantoin	P.Mythili, P.T.Devika	International journal of Life Sciences	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Evaluation of invitro antioxidant activity study of 2 thiohydantoin	P.Mythili, P.T.Devika	American Journal of Biopharmacology Biochemistry and Life Sciences	2018	0	PG Research Department of Biochemistry, Mohamed Sathak College of	0

					Arts and Science	
Phytochemical screening, Isolated Bioactive Compound (Fisetin) from Ethanolic fruit Extract of Fragaria x ananassa and their Antioxidant activity	P.Mythili , P.T.Devika	Journal of Pharmacy and Biological Sciences	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Cardioprotective Effect Of Fisetin On Lysosomal Enzymes	P.Mythili , P.T.Devika	Asian Journal of Pharmaceutical and Clinical Research	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Cardioprotective Efficacy of Fisetin on Glycoprotein and Membrane Bound ATPase	P.Mythili , P.T.Devika	Asian journal of pharmacy and pharmacology	2019	0	PG Research Department of Biochemistry, Mohamed Sathak College of Arts and Science	0
Ensemble swarm intelligent based vote classification for snore sound detection	E.Jeslin Renjith	Journal of Advanced Research in Dynamical and Control Systems	2018	0	Department of Computer Science	0
Heart Disease Prediction using Integer Coded Genetic Algorithm base	Dr.S.Silvia Priscila	Bonfring International Journal of Industrial Engineering Management Science	2018	0	Department of Computer Science	0

Particle Clonal Neural Network (ICGA - PCNN)						
Ensemble Feature Selection and Ensemble Convolution Neural Network with vote classification(ECNNVC) approach for detection of snore sounds in obstructive sleep apnea Diagnosis	E.Jeslin Renjith	Bonfring International Journal of Industrial Engineering Management Science	2018	0	Department of Computer Science	0
Implementation of Artificial Neural Networks and Decision tree algorithms for Heart Disease Diagnosis	Dr. N.Sasikala	International Journal of Pharmaceutical Research Allied Sciences	2019	0	PG Department of Computer Science	0
Factors Influencing Mutual fund investors level of perception in Chennai city	Dr. K.Gandhi	Pramana Research Journal	2019	0	B.Com Department of Computer Application B.Com Department of Computer Application	0
Emotional Intelligence and work life balance in IT Industry	Dr.R.Muthusamy	Pramana Research Journal	2019	0	B.Com Department of Computer Application B.Com Department	0

					of Computer A pplication	
A study on work life balance in working women and their impact on attrition : a review of literature	Indumathi MK	Internatio nal Journal Of Research In Computer A pplication And Management	2018	0	Department of Business A dministrat ion	0
Employee absenteeism and its impact : a literature review	Indumathi MK	Internatio nal Journal Of Research In Commerece, Economics And Management	2018	0	Department of Business A dministrat ion	0
Analytical study on the impact of biometric systems in banking sector	Dr.S.Velayutham	Internatio nal Journal Of Scientific Research	2019	0	Department of Business A dministrat ion	0
A study on effectiveness of information technology in banking sector	Dr.S.Velayutham	Journal Of Applied Science And Comput ations	2018	0	Department of Business A dministrat ion	0
A study on inventory management with reference to Ashok Leyland	Dr.S.Velayutham	Journal For Advanced Research In Applied Sciences	2018	0	Department of Business A dministrat ion	0

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### 3.3.6 – 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
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No Data Entered/Not Applicable !!!

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	26	54	54	18
Presented papers	24	7	12	2
Resource persons	5	4	0	12
No file uploaded.				

### 3.4 – Extension Activities

3.4.1 – 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
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

3.4.2 – 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
Arivu Kalanchiyam Award Function	Arivu Thulir Arivu Puthir	NSS Cell University Of Madras	1
No file uploaded.			

3.4.3 – 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 participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS	Campus cleaning	4	48
Swachh Bharat	TN Food Safety Drug Administration Department	Campus cleaning	1	8
Aids Awareness Rally	NSS	Creating the awareness	2	20
Voters day	NSS	SVEEP Activities	2	21
NSS	NSS	NSS day	2	40
Food safety	NSS	Food safety awareness	2	40
Yoga day	NSS	Yoga	1	15
Drug abuse	NSS	Drug abuse day[human rally]	1	15
Leprosy	NSS	Leprosy	1	1

		awareness		
NSS	NSS	NSS DAY	2	40
Awareness	YRC	Road Safety Management	10	70
No file uploaded.				

### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
0	0	0	0
No file uploaded.			

3.5.2 – 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
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Dr.UK Institute of Health Sciences and Research	10/09/2018	Training the students to handle Medical laboratory techniques (DMLT)	24
No file uploaded.			

## 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
280000000	175541527

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing

Seminar halls with ICT facilities	Existing
Video Centre	Existing

#### 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
<b>No Data Entered/Not Applicable !!!</b>			

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28856	11914085	116	4500	28972	11918585
Reference Books	784	1528000	110	8600	894	1536600
e-Books	5000	0	1000	0	6000	0
Journals	96	230315	0	0	96	230315
e-Journals	8181	9204	0	0	8181	9204
CD & Video	420	0	0	0	420	0
Library Automation	0	0	0	0	0	0
Weeding (hard & soft)	0	0	0	0	0	0
<b>No file uploaded.</b>						

##### 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>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	120	1	1	1	1	0	3	40	0
Added	0	0	0	0	0	0	0	0	0
Total	120	1	1	1	1	0	3	40	0

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

40 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
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	recording facility
0	0

#### 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
8500000	7850763	8000000	7690764

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)

Mohamed Sathak College of arts and science was established in the year 1991, by the Mohamed Sathak Trust with the sole aim of spreading quality education. A coeducational institution it is affiliated to the University of Madras, and approved by the AICTE. The college is situated in Sholinganallur with above 10.34 acres total area. The college has very good infrastructure and learning resources of about 100 classrooms, 21 equipped laboratories, 5 seminar halls.

During this year college purchased important laboratory equipments above 110lakhs of total 86, the value purchased for the over all equipment is Rs. 98,00,000. We have good airconditioned computer lab with 543 computers with all internet access and fully furnished library with total 84,12864 textbooks, 352800 reference books, 165480 journals and 7800 ejournals and also 420 CD and videos of the text have been provided at free of cost for the student facility.

Library also contains 57035 back volume books with good infrastructure and daily newspapers for students and staff reference. College offers 20 undergraduate, 11 post graduate, 3 Diploma courses and 6 research programmes to 4854 students. College has very huge play ground, hostel facility for both boys and girls with good infrastructure with good quality food. We have computerization of administration and library, admission, fees collection and academic time table, attendance of the students and student SMS system are computerized by college management software. College is providing periodic training to all HOD's and one staff from each department for timetable creation through our management software. College spent amount on ICT about 29,73,750,00, campus infrastructure and facilities of about 27,87,950,00, for equipments 06,21,834,00 and for others Rs. 03,24,837, over all spent on maintenance for college is Rs. 67,08,371,00. We also received funding projects and MOD signed for various projects for various Department for the growth of laboratory. Research laboratory is equipped and used by Ph.D scholars and maintained well and good.

<http://www.msacartsandscience-edu.in/>

#### 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	Endowment Scholarship	45	384920
Financial Support from Other Sources			
a) National	Tamil Nadu	176	1435100

	Government Scholars hipSC/ST, Minorites		
b) International	Nil	0	0
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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
General Psychological Counselling for Students	03/08/2018	1149	Dr. Vijayabanu, Physiotherapist
Marketing Skilled Training	13/08/2018	120	Mr. Satya Saminadan, Marketing Professor, IFMR Mr. Sandeep E, Marketing Professor, ITM
Bridge courses conducted by IQAC to overall college	16/07/2018	1640	Parent Department
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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
No Data Entered/Not Applicable !!!					
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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
No Data Entered/Not Applicable !!!					
<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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	5	B.Com	Computer Application	DB Jain College IDE, University of Madras,	M.Com
2018	5	B.Sc	Biotechnology	Mohamed Sathak College of Arts and Science	M.Sc Biotechnology
2018	3	B.Sc	Microbiology	Mohamed Sathak college of arts and science, Sholinganallur, Chennai,	M.Sc Microbiology
2018	2	B.Sc	Biotechnology	AMET Univerity	M.SC Marine Biotechnology
2018	1	B.Sc	Microbiology	BS Abdur Rahman University,	M.Sc Microbiology
2018	1	B.Sc	Microbiology	Chennai & Presidency college, Chennai.	M.Sc Microbiology
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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
No Data Entered/Not Applicable !!!	
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Volley ball	College level	20
Cricket	University level	15
Basket ball	College level	15
No file uploaded.		

### 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
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No Data Entered/Not Applicable !!!

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

The college does not have a student council directly. However, every department has an Association in which student representatives play major roles in organizing various academic oriented activities, including guest lectures and seminars, etc., All the NSS volunteers assist the NSS officers and other college authorities in conducting all functions in the college. We have student representatives in the following academic and administrative committees of the college Extracurricular Activities Committee: 1. Grievance Appeal Committee 2. Library Committee 3. Students Welfare Committee 4. Internal Quality Assurance Cell 5. AntiRagging Committee

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

1200

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

120000

5.4.4 – Meetings/activities organized by Alumni Association :

NIL

### 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 Governing Body, constituted by the members of the college Management and Principal as its ExOfficio Member, is the highest decision making authority in the college. It lays down the policies and guiding principles to realize the vision and mission. In order to have an effective academic administration, a hierarchical structure of leadership has been set up with Principal as the head at the top rung and Heads constituting the second rung. committees are constituted with senior faculty members to help in the day to day running of the college like 1. Academic council 2. Internal Quality Assurance Cell 3. Library Committee 4. Grievance Appeal Committee 5. ExtraCurricular Activities Committee 6. Students Welfare Committee 7. General Interest Courses Committee 8. AntiRagging Committee 9. AntiSexual Harassment cell

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

Yes

#### 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	<ul style="list-style-type: none"><li>The academic curriculum is confined to the syllabus of Choice Based Credit System (CBCS) framed by University of</li></ul>

Madras. Examination committee ensures smooth conduct of examinations. • several faculty members are active members of University appointed examination committee to frame questions papers and evaluate examination scripts • As an affiliated college the curriculum designed by the University of Madras is followed Necessary recommendations in the syllabus are given to University of Madras through the members of Board of studies in the respective subjects. • Apart from regular UG PG, MPhil courses the college offers PhD Programme in the courses like Biotechnology, Microbiology and Biochemistry. The college also offers Diploma courses. • Language based bridge course for first year students. Students are encouraged to use library and other IT facilities for preparing their assignments and seminars.

Teaching and Learning

• Remedial classes are conducted for failures • Coaching classes for weaker students and special classes are conducted for interested students, • ICTenabled teachinglearning process has made students as active participants in the classroom • Internet facilities offered for references • Smart Class were taken by the subject experts • Use of teaching aids like OHP and LCD Projector in addition to Conventional lecture method. • Regular feedback from students to improve teaching and learning methods. • Bridge Course for all first year students are conducted to make the students aware of the curriculum, content and importance of the subject • Submitting assignments / Innovative works on various topics. • Conducting seminars and presenting papers in the class, provides platform for discussion among the learners. Participating and presenting papers in symposiums, Conferences, Displaying their Project etc., helps to exhibit their talents. • Identifying the slow learners and adopting remedial measures to improve their learning skill.

Examination and Evaluation

• A Variety of assessment methods are being used for examination and evaluation. • The entire syllabus is divided into core, elective and foundation as per the regulation of University of Madras • In addition, the

college trains the students to face the examination by conducting CIA Test and Model examinations. The students are given practices to deliver seminars, to write assignments, project and practical tests • The students are given practices to deliver seminars, to write assignments, project and to improve their practical skills • Examination committee to ensure smooth conduct of examinations. • The end semester examination question paper is set by University of Madras. • The practical examination is conducted with internal and external examiners appointed by the superintendent of examination.

**Research and Development**

• Faculty members are encouraged to apply for major/minor research projects from various funding agencies including UGC, BARC, MoEF and DSTSERB • OD granted to staff members and students to participate in Conferences. • Staff and students are constantly encouraged to publish research papers in reputed journals. • Two faculties from B.com CA awarded PhD • All the departments are encouraged to organize International and national seminars, conferences and workshops • Faculty members are encouraged to pursue PhD programmes and are provided od to attend conference (Evidence ) • Offer PhD Programme in three Departments 1. Biotechnology 2. Microbiology 3. Biochemistry

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

Intuitional tip up • University of Madras • British council Libraries. • Department Libraries with relevant books Digital library for updating the current information and online books, Journals Broad band connectivity to all departments. • The lecture and seminar halls are well lighted, airy and spacious and they are ideally suited for sharing of knowledge between the teacher and the taught • Fully equipped library with automation facilities. • 24x7 WiFi Facility • The college campus has been monitored with CCTV facility for surveillance. • British Council Institutional Membership was renewed for the benefit of both the faculty and the students. • There are two halls with for use of SMART class rooms equipped with LCD projectors. The students are exposed to Power point presentation and Animations related to

their subjects ones in a week. • Apart from this, LCD facility can be extended to all departments for use in their respective class rooms

Human Resource Management

• The management makes appointments through prescribed procedures • At the end of each academic year the workload of the department is prepared and sent to the Principal. • Vacancies are notified and may be filled during the beginning of the Academic year. • We shape the attitude and behaviour pattern of the students towards academic excellence and better citizen of future INDIA. • The teachers are encouraged to participate in seminars, conferences and workshop in order to update their knowledge and get exposed to new technologies and latest developments in their respective areas of study • We acknowledge the skills and qualifications of the faculty along with their experience. We allot proper job to each staff. • The management selects the skilled and competent people for appointments as per the prescribed recommendations. • The application is received after given an advertisement in the papers. The screening is done by the Heads and finalised by the senior authorities. • Special training programmes like Spoken English, Imparting and enhancing employability skills were carried out for both Undergraduate and Postgraduate students. • Faculty and Staff are encouraged to participate selfdevelopment programmes. • Administration supports faculty, staff and students with necessary and relevant support to optimize their work.

Industry Interaction / Collaboration

Research Department of Biotechnology, Biochemistry and Microbiology associated and MoU Signed with U.K. Paramedical college ,Chennai for conducting Diploma Medical Laboratory Technology 20182019.

Admission of Students

• Students are being admitted on the basis of their subjects as per the University norms and interest on first come first serve basis. Fee will be waived for the deserving students. • Out of the total amount of 1886s applications received,1886students were admitted for the year 2018 2019 as per the rules and regulations of the

Government of Tamilnadu and University of Madras • Admission of students are made as per norms of university of Madras and Tamilnadu Government. • Students are selected for admission on the basis of past academic record, interviews or a combination of these two depending on the course to which admission is sought. • Students are permitted to choose their course • College is following the Government Norms for admission procedure. • Special preferences are given for the First Generation Learners, Minority communities in align with the Vision and Mission of the College. Staff members involving admission duty every year we are part and parcel of admission process of college

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

E-governance area	Details
Planning and Development	The college Planning and Evaluation committee comprising of members of the Management, Principal and staff members is entrusted with the task of developing and enhancing all infrastructural facilities and programmes in the college.
Administration	The administrative office is fully computer equipped with Internet, fees collection is also done through computerized system and communication with University takes place over Internet
Finance and Accounts	? The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure
Student Admission and Support	ERP modules for the following are in place: a. Admission b. Fees payment c. Attendance management
Examination	The College has the separate Examination cell with equipped ITC tools necessary for examination purpose. As per the requirement of Examination department all the necessary equipments are provided by the college such as Separate Desktop and Internet Facility for online procedure of Paper Downloading and further activities for exam purpose.

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

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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Faculty De velopment Programme		30/01/2019	30/01/2019	180	10
No file uploaded.						

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
FACULTY DEVELOPMENT PROGRAMME	2	15/12/2018	15/12/2018	1
FACULTY DEVELOPMENT PROGRAMME	1	16/08/2018	16/08/2018	1 day
INETRNATIONAL FACULTY DEVELOP MENTPROGRAMME	1	20/12/2018	20/12/2018	1 day
INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME1	1	25/01/2019	25/01/2019	1 day
FACULTY DEVELOPMENT PROGRAMME	180	30/01/2019	30/01/2019	1 day
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

203	203	40	40
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#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Loan facilities through college Indian Overseas bank, Employees Provident Fund,ESI Medical Insurance, Dispensary and Sport facility	Loan facilities through college Indian Overseas bank, Employees Provident Fund,ESI Medical Insurance, Dispensary and Sport facility	Students counselling centre, Scholarship and Financial aid for poor students, Concessional Bus pass and Train Air Concession for the students, Student Medical Insurance and • Fitness centre for hostel students

#### 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 regularly maintains the finance and account in computerize manner, an Annual audit is conducted internally.

##### 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
No Data Entered/Not Applicable !!!		
<a href="#">View File</a>		

##### 6.4.3 – Total corpus fund generated

135000
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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	Yes	Experts from other colleges	Yes	IQAC
Administrative	Yes	Mohamed Sathak Trust	Yes	IQAC

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

Every semester, a report on academic performance of a student is communicated to the parents 2. During these meetings the parents interacted with the Tutor/Head of the Department regarding the Academic performance and discipline of their wards. 3. Parents were informed about their wards who absented themselves for every days through management software continuously.

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

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

1. Submitted institutional data to MHRD for NIRF rank partcipadted 2019. 2. The programme objectives, programme outcomes and course outcomes have been defined

and the same are available in the college website. 3.The feedbacks on teaching learning evaluation were obtained from the students through online mode.

#### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	

#### 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
2019	Students Satisfaction Survey (SSS) conducted in online mode with the questionnaire prepared by the IQAC (Above 75 of attendance)	18/02/2019	18/02/2019	19/02/2019	500
2019	Performance Appraisal System (PAS) for Teaching staff by subject expert	19/02/2019	19/02/2019	22/02/2019	196
2019	NACC Files verification and Academic Administrative Audit by IQAC Members	22/04/2019	27/04/2018	29/04/2018	28

### 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
<b>No Data Entered/Not Applicable !!!</b>				

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.LED lighting have been installed at various places in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Provision for lift	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2

#### 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	1	0	21/06/2018	3	Yoga classes	Yoga practises with staff and students	60
2018	1	0	23/11/2018	3	Gaja Cyclone	Money and clothes collected from our students and staff for kerela peoples	100
2018	0	1	14/08/2018	5	Campus Cleaning	swachh bharat awareness program	100
2018	0	1	15/10/2018	3	International Cane Day	Our students collected money through FLAG SALE in view of International Cane Day and given the amount to welfare of the BLIND PEOPLE	500
2018	0	1	11/12/2018	3	Blood Donation Camp	Through Regular Blood Donation camp process conducted	60

in our college more than 100 students donated for local people and youth through Global Hospitals, Chennai

### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Calendar (20182019)	01/10/2018	Value education and Moral education classes Student Mentoring through discipline committee of staff and Tutorial classes Awareness programmes under various activities

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

Activity	Duration From	Duration To	Number of participants
LAUH YATRA FOR EAT HEALTHY EAT SAFE EAT FORTIFIED	17/10/2018	19/10/2018	13
NATIONAL UNITY DAY	31/10/2018	31/10/2018	100
Seven day Special Camp at VENGHAIVAASAL VILLAGE Youth for cleanliness, Tree plantations, General health and Eye camps for people	27/01/2019	02/02/2019	150
LEPROCY AWARENESS PROGRAMME	21/02/2019	05/03/2019	30

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

1. Use of PLASTICS and Smoking has been prohibited inside the campus. Ewaste such as condemned computers accessories and peripherals are disposed off as scrap materials to various vendors in the month of May 2019.

## 7.2 – Best Practices

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

1. Title: Blood Donation Objectives: To create awareness on blood donation among the public. The practice: To facilitate immediate response to emergency calls, the college has a setup a systematic procedure for blood donation. At the start of every academic year, identification camps under the guidance and

help of hospitals / blood banks to identify the blood groups of the students are organized. All the students are encouraged to participate in these camps as well as to donate blood. When a call for blood transfusion is routed by the hospitals through the needy patient's caretakers the students representatives identify and approach the student volunteers for blood donation based on the prepared list. Evidence of Success: Every year Blood Donation Camp is conducted in association with Indian Red Cross Society and Lions Club Chennai and more than 120 volunteer students donate blood for a noble cause in the society.

Problems Encountered: During the holidays, examinations as well as semester vacations, we find it difficult in arranging blood donors to the needy.

2.Title: Leprosy Awareness Objective: To create awareness about skin problem (Leprosy) among the public both children and parents in the society and give remedial measures in the form of treatment and medicine. The practice: Among the NSS Volunteers of about 32 to 40 students were selected and sent to field work the thrust areas of Taramani, Perungudi and Velacherry along with expert doctors from National Institute of Leprosy, Chennai, govt of Tamilnadu and identified leprosy patients with treatments and admitted ten of the major cases in the government hospitals for further treatment. Evidence of Success: Identified 15 cases, among 200 peoples under the survey process, admitted in the hospitals for further treatment. Problems Encountered: The concern person should not feel hesitant while sharing the problems with lepros.

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

<http://www.mscaartsandscience-edu.in/>

### 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

The good academic and healthy atmosphere in the campus and flexibility in admission and friendliness among the teaching and nonteaching staff members the new students feel more comfort and enjoy royalty in the campus and they bring their old friends, brothers and sisters, good neighbors for admission and hence we have healthy admission every year. It also boasts of separate hostel which can accommodate around 400 men and 150 women students, thereby providing a conducive atmosphere for their education.

Provide the weblink of the institution

<http://www.mscaartsandscience-edu.in/>

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

- 1.To start a medical coding classes in the department of bio sciences (Biotechnology, Biochemistry and Microbiology) during the academic year 20192020.
- 2.To provide financial support from Management Grant to Departments for the conduct of seminars/Workshop/Conference.
3. To provide seed money to staff members in order to encourage attend the conference.
4. To apply for financial assistance from TNSCST DST for conducting seminars/workshop/ Conferences.
- 5.To establish industry linkages and MoU with institutions of national and international rupte.
- 6.To conduct Faculty development Programme for Teaching staff.
7. To conduct awareness programme on Yoga,swachh bharat to students and local people.
8. To publish international and national papers with Scopus and UGC Care journal .