



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		THE INSTITUTE OF SCIENCE MUMBAI
Name of the head of the Institution		Dr. Jairam M. Khobragade
Designation		Director
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02222829294
Mobile no.		9422810676
Registered Email		iscmdirector@gmail.com
Alternate Email		director@iscm.ac.in
Address		15 Madame Cama Road
City/Town		Mumbai
State/UT		Maharashtra
Pincode		400032
<b>2. Institutional Status</b>		

Affiliated / Constituent	Constituent
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Prof. (Dr.) Aparna A. Saraf
Phone no/Alternate Phone no.	02222829294
Mobile no.	9869357636
Registered Email	draparnasaraf@yahoo.co.in
Alternate Email	draparnasaraf@iscm.ac.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://iscm.ac.in/MHCOGN10212.pdf">https://iscm.ac.in/MHCOGN10212.pdf</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="https://iscm.ac.in/pdf/Academic%20Calendar_2018-19.pdf">https://iscm.ac.in/pdf/Academic%20Calendar_2018-19.pdf</a>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	A	3.05	2014	05-May-2014	04-May-2019
1	B++	81.00	2004	21-Mar-2003	20-Mar-2008

<b>6. Date of Establishment of IQAC</b>	01-Jun-2004
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### 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
Environmental Day Celebration	05-Jun-2018 1	54

National Science Day	25-Feb-2019 4	116
Sigmatics	19-Feb-2019 1	104
Wilderness	05-Oct-2018 2	62
Techniques & Methods to Crack NET/SET in Mathematics	15-Nov-2018 12	40
Spectroscopic Techniques	07-Dec-2018 2	95
Recent Trends in Chemistry	14-Feb-2019 2	140
<a href="#">View File</a>		

**8. Provide the list of funds 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
Institution	Infrastructure Grant	District Planning Commission and State Government Funds	2019 365	26496000
<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](#)

**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

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

**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)**

# Inclusion of The Institute as the Lead College of newly formed first Cluster University for the State of Maharashtra. # The Institute initiated the process for designing the curricula for CBCS pattern # Revival of Research Scholar Meet. # Revival of Alumni Association. # Organization of Sensitization program, Cocurricular Extracurricular events. # Promotion of Research by augmenting research infrastructure and conduction of workshops, Conferences

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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
Designing of curriculum and structure for CBCS pattern	Basic foundation was laid for curriculum designing and structure of CBCS pattern
Guest lectures of eminent scientists	B.C. Haldar Memorial Lecture was organised.
To revive Research Scholars' Meet (RSM) to create a platform to promotion of research among the PhD scholars.	Research Scholars' Meet was organized by ISAA on 4th April 2019. 79 posters were presented by the students from all the departments.
Promote Career guidance programs	"Campus to Corporate" The lecture by our alumni, Mr. Kartik Jogi, Chief Manager, HR, Bajaj electrical, on 20th April 2019. Dr. Prabodh Chobe, CSR specialist, and science motivator during his talk on "Careers in chemistry "at the Institute of Science, Mumbai on 25th April 2019.
Organize departmental Fest	Planta (Botany Department), Wilderness (EVS Department), Sigmatics (Mathematics Department) and Colloquium (Zoology Department) are popular intercollegiate Fests in Science Departments of South Mumbai.
Introduce to the students the concept of IPR and necessity to protect IP.	The Institute of Science Alumni Association (ISAA) hosted a guest lecture by Dr. Vaishali Palwankar, Director, SciConnect Consulting LLP, Mumbai on 30th March, 2019 on "Introduction to IPR & different modes of protecting IP" for the students and staff of the institute.
Organization of co curricular activities to foster critical thinking	Debate and Elocution Competition was organized on 26th of February, 2019.
Efforts in making campus eco-friendly with an aim to achieve "Zero Wet Garbage"	A program on Solid Waste Management with an aim to achieve "Zero Garbage" status for the Institute was conducted the survey on 24th April 2019 in association with Bajaj Electricals Ltd.

Mr. Suprio Das from Bajaj Electricals was the resource person for the same. The Solid Waste Management was implemented in collaboration with NSS group of The Institute of Science.

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	08-Feb-2019
17. Does the Institution have Management Information System ?	No

## 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

The Institute of Science considers effective delivery of the curriculum to be the most important curriculum as it runs the university courses on which the future of the children depends. Accordingly, the Institute of Science follows the syllabus prescribed by the University of Mumbai through its Board of Studies. Few faculty members have served on Boards of Studies and some on their subcommittees and have contributed to curriculum development. The Institute of Science adopted the following outcomes to ensure effective course delivery through a systematic and strategic transparent mechanism: Academic Calendar: • The Institute of Science fully and strictly followed the academic calendar issued by the University of Mumbai. • All Heads of Departments conduct meetings to allocate workload, allocate subjects, plan departmental activities and review completed syllabus. • The Director monitors the effective implementation of the calendar through formal meetings with Heads of Departments and informal discussions with faculty if necessary. Time Table Committee: • All Heads of Departments constitute a Time Table Committee. • Time table is prepared by respective departments. • A copy of the timetable is submitted to the office and displayed on the notice board of respective departments. • Students are also given a link to the University Syllabus. Teaching Plan: • A teaching plan is prepared by each faculty member at the beginning of the academic year. • Periodic evaluation of course delivery is done by HODs through IQAC. • Teachers engage in extra periods and practicals as required and maintain their records. Laboratory: • There is the optimal use of well-equipped laboratories for the

delivery of practical courses. • Students maintain practical journals and results are verified by faculty and certified by HOD. • A research project is assigned to the students along with a practical course to demonstrate their research skills. Teaching Aids: • The teacher makes use of projectors for effective presentations along with chalk and blackboards for teaching. • Methods like seminars, group discussions, quizzes, Journal Club for presentation of research articles and case studies are adopted for effective delivery of the course. • Study materials, notes, assignments, are provided in class and by mail. • Educational field visits, industrial visits, and study tours are organized for teaching completion of some subjects. • They are assigned group projects to develop team spirit, sharing, and presentation, research skills. • Social sites like YOUTUBE, Whatsapp, etc. are used for effective teaching. • Guest lectures, expert lectures, and departmental alumni guidance are organized. • Internet, computers, LCD projectors, and other audiovisual aids are regularly used for effective teaching methods. Library: • The library has a separate study room for each subject and many old and new books of the respective subjects are available to the students. • Books are given to the students for a fixed period of time as per their requirement. • It is recorded in the issue register in the library. Teacher Support: • Institute encourages faculty to attend orientation and refresher courses to update their subject knowledge.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
0	0	Nil	0	0	0

### 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
Nil	0	Nil
<a href="#">View File</a>		

#### 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
Nil	0	Nil

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

	Certificate	Diploma Course
Number of Students	0	0

### 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
0	Nil	0
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#### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
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Nill	NA	0
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#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	No
Parents	No

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 feedback of students for the academic year 2018-19 is taken for Post Graduate Programmes conducted in the Institute. The feedback was taken randomly once a year for all the programmes. Following questions were included considering the overall feedback of students about teachers. Command Over medium of instructions ? Class Control ? General Knowledge / Awareness ? Regularity in taking lectures and practicals ? Skills in explaining difficult points ? General Availability/ Accessibility to students ? Assistance and Counseling towards Career/personal matter/ Extra curricular activities. ? Command over the subject ? Use of case studies, illustrations current events anecdotes in teaching ? Motivating to develop interest in subject for higher studies ? Skills in making the subject interesting ? Use of ICT/seminar/ assignment/tutorial etc ? Suggesting References for Further Studies EXCELLENT BIOCHEMISTRY BIOTECHNOLOGY BOTANY CHEMISTRY ENVIRONMENTAL SCIENCE MATHS MICROBIOLOGY PHYSICS ZOOLOGY ? Ready to resolve subject related questions ? Overall Impression as a teacher Reason for taking this course ? Specific suggestions (if any) The Committee appointed by the Director analysed the result and communicated the same to him. These results were then discussed with the individual faculty for further improvement. • Institute collects feedback from students. • Collected feedback is analyzed using various parameters and the performance of students is evaluated. • Any inconsistencies identified are considered for correction and suggestions are taken for improvement. • Formative assessment is used to identify gaps in students knowledge which helps identify slow and advanced learners. • Slow learners are given remedial training after completion of each semester. • Advanced students are encouraged to further career advancement by participating in various co-curricular activities and career-oriented programs organized in and outside the college. • In light of the feedback received, the faculty suggests curriculum redesign workshops. • Achievement of course objectives is measured through students performance in internal tests, group discussions, presentations, and university examinations.</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
MSc	Detail sheet attached	Nill	Nill	Nill

## 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	0	286	0	45	0

## 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
45	45	8	8	0	4

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The mentoring system at The Institute of Science is student centric and ensures that the students adapt to the dynamic learning environment. The institute has an informal mentoring system where each faculty member is a link between the students and the institution. Functioning takes place wherein mentors are assigned to monitor and guide students throughout the academic year. Mentors provides individual recognition and encouragement to their mentee. They also gives psychosocial support at the time of need. The interaction often expose students to diverse academic and professional perspectives in various fields. They help them at the time of difficulty and also help them develop further in their areas of interest. Mentors keep track of the mentees' overall performance and coordinate with the parents regarding their progress during PTA meets. There is a continuous interaction between the mentor and mentee for their projects. Mentors also communicate with other faculty members and discuss the common issues faced by mentees. Head of the Department acts as a mentor and monitor different activities of the assigned to mentors and the students. They give a detailed report of the mentoring system to the Head of the Institute from time to time. The mentors thus help the students to grow building a lasting personal and professional relationship

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
548	45	1 : 12

## 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
71	45	26	2	29

### 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
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2018	Dr Umesh B. Kakde	Associate Professor	Global Society for Basics and Applied Science (GSBAS), Mumbai, India
<a href="#">View File</a>			

## 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
MSc	Detailed sheet uploaded	Nil	Nil	Nil
<a href="#">View File</a>				

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

The Institute ensures that there is a transparent method of assessment. It follows evaluation pattern for all courses as per the instructions of the Mumbai University. Internal Exams are an integral part of Semester examinations. These internal exams are conducted in form of MCQ,s/Seminars/Presentations during the regular curriculum. The students are given a advanced information regarding the pattern of internal assessment. They are also informed about the number of tests or exams that will be held and considered for their assessment and the weightage of each of these. This helps them to prepare for the same. Departments often conducts regular tests and assignments to enhance the learning outcome. Some courses have Dissertation as a part of their Examination. The project work is continuously evaluated during last two semester. Field Visits, Industrial visits and co-curricular activities also are informal tools for continuous evaluation of students performances.

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

An Academic Calendar is prepared by the College at the beginning of academic year. It is inclusive of both academic and cocurricular activities. It allows the faculty and the students to have a structured and disciplined approach towards the academic and nonacademic activities conducted throughout the year. The adheance to the academic calendar ensures that the internal assessment process is not affected by the cocurricular activities at the Institute. The students are also benefited by such a structured approach. Thus the Academic Calendar guarantees transparency in conducting the teaching and evaluation process.

## 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://iscm.ac.in/syllabus.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year	Number of students passed in final year examination	Pass Percentage
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			examination		
Detail File uploaded	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>					

## 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://iscm.ac.in/pdf/Student%20Feedback%20Report%202018.pdf>

## 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
Major Projects	1095	RGSTC	86.1	59.86
Major Projects	1095	SERB	6.6	2.2
Minor Projects	90	University of Mumbai	0.25	0
Minor Projects	730	UGC	3	0
<a href="#">View File</a>				

### 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
National Seminar on Communicating recent developments in Science (NSCRDS-2019)	Physics	27/02/2019
NATIONAL CONFERENCE ON RECENT TRENDS IN CHEMISTRY [RTC-20219]	Chemistry	14/02/2019

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
NIL	NIL	NIL	Nil	NIL
<a href="#">View File</a>				

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
NIL	NIL	NIL	NIL	NIL	Nil
<a href="#">View File</a>					

### 3.3 – Research Publications and Awards

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

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Botany	2
Chemistry	3
Physics	2

#### 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)
International	Botany	5	0.02
International	Biochemistry	7	2.96
International	Chemistry	13	0.70
International	Maths	1	0
International	Microbiology	2	0
International	Physics	16	1.34
National	Zoology	5	0

[View File](#)

#### 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
Microbiology	1
Physics	4
Zoology	1

[View File](#)

#### 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
Entries more than Ten Hence file uploaded	Null	Null	Null	Null	Null	Null

[View File](#)

#### 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	Institutional affiliation as mentioned in
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					citation	the publication
Excel File Uploaded	Nil	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Presented papers	2	10	0	2
Resource persons	0	2	0	0
<a href="#">View File</a>				

### 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
Excel file uploaded	Nil	Nil	Nil
<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
NIL	NIL	NIL	Nil
<a href="#">View File</a>			

#### 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
NIL	NIL	NIL	0	0
<a href="#">View File</a>				

### 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
Excel file uploaded	Nil	Nil	Nil
<a href="#">View File</a>			

#### 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	Duration From	Duration To	Participant

		institution/ industry /research lab with contact details			
Excel File uploaded	Nil	Nil	Nil	Nil	Nil
<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
Excel file uploaded	Nil	Nil	Nil
<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
264.96	196.43

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
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
Classrooms with Wi-Fi OR LAN	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
NIL	Fully	NIL	2022

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Reference Books	28062	4943210	915	1551758	28977	6494968
e-Books	3000	5900	1	5900	3001	11800
Journals	5000	3142618	3	45645	5003	3188263
Digital Database	1	35500	0	0	1	35500
<a href="#">View File</a>						

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
NIL	NIL	NIL	Nil
No file uploaded.			

#### 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	116	8	1	9	8	11	105	100	0
Added	16	0	9	1	1	5	11	0	0
Total	132	8	10	10	9	16	116	100	0

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

100 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
NIL	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
89.93	66.52	60	49.3

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)

<p>The Institute adheres to the rules and regulations of Department of Higher and Technical Education, Government of Maharashtra which are issued from time to time. The maintenance of civil and electrical works is looked after by Public Works Department whose office is housed in the campus. Annual</p>
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Maintenance Contract for, Website, CCTV cameras, the old and non functional instruments/equipment are written off following the established government protocol. The instruments and consumables are procured by the purchase committee and distributed via the stores as per the requirements of the departments. The departments maintain a record of the procured equipment and the consumables in the departmental stock registers. Stock verification is done at the departmental level at the end of every year to get an idea about future requirements. The purchased and discarded assets information is timely recorded. The Institute has a courtyard for Volley ball, Throw Ball and Badminton as well as well-equipped gymkhana for indoor games. It also houses cardio equipment. The Sports Committee looks after the proper functioning of the sports facilities. Students employed through Earn and Learn Scheme also look after the upkeep and maintenance of the library. Institution also maintains the stock register wherein data are timely entered. The purchased and discarded assets information is timely recorded. In order to maintain the assets up to date, the college has annual maintenance contract of various agencies. The college has also outsourced the campus cleaning aspect to the third party. Wherever the deficiency of staff is there, including in library, sports complex and laboratories, people are recruited on the clock hour basis and contract basis.

<https://iscm.ac.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	Eklavya Scholarship, Government of Maharashtra Post Matric Scholarship	178	518289
Financial Support from Other Sources			
a) National	NIL	0	0
b) International	NIL	0	0
<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 implementation	Number of students enrolled	Agencies involved
Microbiology : Software tools for Research: R and Latex	16/07/2018	16	Mr. Rajendra Choure
Safety in Chemical Laboratories by Chemistry Department	20/08/2018	80	Dr. Dileep WaKankar
Yoga week: Yoga week was celebrated in the institute to	18/06/2018	20	Dr. Sunil Singh

promote health awareness			
Career Guidance Workshop for students	10/08/2018	80	Chemspark Acedemy
<a href="#">View File</a>			

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 Workshop	54	54	4	0
<a href="#">View File</a>					

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
0	0	0

## 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
File Uploaded	Nil	Nil	Nil	Nil	Nil
<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	4	Detail excel file uploaded	Nil	Nil	Nil
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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
NET	3
SET	2
SLET	0



GATE	0
GMAT	0
CAT	0
GRE	0
TOFEL	0
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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
File uploaded	Nil	Nil
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	NIL	National	Nil	Nil	Nil	Nil
2019	NIL	National	Nil	Nil	Nil	Nil
<a href="#">View File</a>						

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

The student council is constituted among the Class representatives. Each Class representative is the topper of his/her class. The student Council Contains a General secretary, Cultural secretary, a Ladies Representative, and a Boys representative. In the year 2018-19, Miss Isha Shinde was chosen as General Secretary, Cultural Secretary Mr. Avik Roy, Ladies Representative Miss Prachi Ranade, and Boy's Representative Mr. Sumeet More were selected. The Student Council Conducts various Programmes under Philosophical Association. 1). Marathi Bhasha Gourav Din. 2) The cultural week under Vidnyan Tarang-2019 was celebrated from 21 st Feb to 3 rd March 2019. Different events and intra-collegiate competitions like Treasure Hunt, Elocution, Debate, Photography (Mobile), Photography (Camera), Best out of waste, Food Court, Mehndi, Rangoli, Cartooning, T-shirt Painting, etc. were organized under the banner Vidnyan Tarang 2019. 3) Different days under different titles like CLONE CRUISE (TWINS' Day), monochrome (black and white day, the herd (group day), Rooted (traditional day), Retro Bollywood, La mode Formelle (Tie and Saree day), Patriotic day, Back to school, etc. Were organized and celebrated. 4) The Most prestigious competition of the Institute is Mister and Miss Institute. Mr. Yash Sheregare and miss Dwijali Deo were winners and declared as Mister and Miss Institute respectively for the year 2018-19.

### 5.4 – Alumni Engagement

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

Yes

Alumni Association is registered under The Institute of Science Mumbai Alumni Association. Its registration No. E-22070, Mumbai date 29.9.2004. The ISAA Alumni have 7 Patron members and 230 Life Members The Alumni are very active in promoting, mentoring, and guiding the current students of the College. It has

worked extensively in connecting the alumni with its Alma Mater through motivational talks, and workshops by eminent Alumni at various levels. Our Alumni have been keenly involved in all significant college functions.

5.4.2 – No. of enrolled Alumni:

271

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

34000

5.4.4 – Meetings/activities organized by Alumni Association :

1) The Annual General Body Meeting of the Institute of Science Alumni Association (ISAA) was held on 5th January 2019 at 3.30 P.M. in Room No. 21 at the Institute of Science 2) A meeting of the Executive Committee and General Meeting of ISAA was held on 16th February 2019 at 3.00 p.m. in Room No. 36 at The Institute of Science, Mumbai, 3) An Intercollegiate Elocution Competition was held on 26th February. The Topic was "Talking Titans". Cash Prizes were given to the Winners by ISAA. 4) A meeting of the Executive Committee of ISAA was held on 16th March 2019 in the Conference Room at 2.30 pm. 5) ISAA organised a talk by Dr. Vaishali Palwankar, an alumni of the Zoology Department, on "Introduction to IPR and different modes of Protecting IP" on 30th March 2019. 6) An annual event "Research Scholar meet" was held at The Institute on 4th April 2019. The event was entirely sponsored by ISAA. 79 posters were presented by MSc students which were their research work carried out for the project. 7) Campus to corporate, the journey was very interestingly put by our Alumni Kartik Jogi on 20th April 2019. 8) Alumnus Dr. Prabodh Chobe gave guidance to our students on Careers in Chemistry on 25th April 2019. 9) ISAA has initiated a program on Solid Waste Management with an aim to achieve "Zero Garbage" status for the Institute, in association with Bajaj Electricals Ltd. Mr. Suprio Das from Bajaj Electricals conducted the survey on 24th April at 2.30 pm at the Institute of Science. The Solid Waste Management will be implemented in collaboration with NSS group of The Institute of Science. 10) A meeting of the Executive Committee of ISAA was held on 30th April 2019 in the Conference Room at 2.00 pm.

## **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 Director of the Institute controls the administration and local management through academic and administrative decentralization of routine activities with the help of departmental Heads of individual subjects. Decentralization of the work is done by forming various Statutory and non statutory Committees that help in the participative management. Regular meetings of the Director with the Heads of the Departments and Committee members help in strengthening participatory management process. Agenda, minutes and action taken reports of the meetings are maintained periodically. Director delegates all academic and operational decisions based on discussions with IQAC coordinator and HODs in order to fulfil the visions and mission of the Institute. HODs formulate common working procedures and entrust the implementation of the same with the faculty members. The faculty members are the part of various committee constituted by the Director and they function to their best ability for smooth functioning of the Institute. They are encourage to display their leadership skill by being made in charge of various committee to conduct academic and extra curricular activities. They are motivated to take the responsibilities as convenor for workshops, conferences, seminars, etc.. The examination cell looks into

internal exams and ensure that the time table sent by the varsity is strictly adhere. The research committee ensures that the activity related to Ph. D scholar are carried out in the systematic view. Conduction of the interviews for the selection of Ph.D. students, course work completion and annual work seminars (AWS) are monitored by the research committees. The Institute promotes a culture of participative management by involving all faculty students and non teaching staff in all activities carried out at the Institute.

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	The Institute being an affiliated institute to Mumbai University follows the syllabus of Mumbai University. The syllabi of Mumbai University are revised after every five years. Several faculty members of different departments of the Institute are actively involved in syllabi framing and revision either as a member of BOS or invited BOS members.
Teaching and Learning	Quality of teaching and learning is maintained through: <ul style="list-style-type: none"> <li>• Creative learning methods, students' projects.</li> <li>• Use of ICT technology for effective teaching.</li> <li>• Extended hands to slow learning students.</li> <li>• At the beginning of the session, the basic concepts and fundamentals of each subject are taught to the new entrants.</li> <li>• Organising guest lectures.</li> <li>• Vigilance on attendance and academic calendar.</li> </ul>
Examination and Evaluation	Internal tests, group discussions, and student seminars are some of the methods for internal evaluations. For every paper, 40 of marks are for the internal evaluation of students. It also includes provisions of 5 marks for more than 75 attendance and active classroom participation. Report writing, review writing, preparation of project completion reports, and research proposal writing are some of the prominent features of the evaluation process. Institute follows the examination pattern of Mumbai University. Mumbai University has an online on-screen marking system and there is a central assessment center in Examination House located in its Kalina Campus.
Research and Development	•?Faculty and research scholars are

involved in RD while PG students are guided for their research projects in the final year list of students • Research grants are procured from various funding agencies. UGC, DST, SARATHI.CSIR, DBT, DAE-BRNS. RAJIV GANDHI, • Maharashtra Government also supports the procurement of sophisticated instruments required for academic and research purposes. • Research papers are published in reputed high-impact factor journals. They also participate in National and International conferences to present their research work and deliver invited talks. • Conferences, seminars, and workshops are organized. • Faculty is involved in peer reviewing manuscripts for various reputed high-impact factor national and international journals. Faculty is also involved in reviewing research grant applications as subject experts for funding agencies.

Library, ICT and Physical Infrastructure / Instrumentation

The institution has an adequate number of books, computers, and practical labs, research labs with state of the art facilities, internet connectivity with 100 MBPS line, Wi-Fi connectivity, sophisticated scientific instruments, and classrooms with ICT facilities. • There is Optical Fibre Cabling on campus. • In the academic year 2018-19, total of 910 books worth Rupees 1551758 were purchased by the Institute's Library. • E-journals are available through INFLIBNET. Total of 3000 e-journals and 01 e-book is available in enlist. • The library has purchased 3 computers and 1 printer. A photocopy facility strictly for internal purposes is available. • Internet facility for students and staff is available in the library for any online referencing. • Information KIOSKS are available for the students. • Sophisticated instruments are added in almost all the Departments through Government plan and non-plan grants, District Planning Development Committee (DPDC) grants, and various research project grants.

Human Resource Management

It is done through arranging campus interviews, recommending students for industrial jobs, various fellowships abroad, and Ph.D. programs in India and abroad. • Students are provided opportunities to undertake research

projects in other research establishments for wider exposure. Collaboration letters • Industrial visits and excursion tours are arranged for the students. Several committees are established by the Institute to assist in human resource management. • Institute has student guidance and placement cell to provide information and assistance about various avenues for higher studies and employment opportunities. • A campus interview facility is provided to the Industrial establishments for the benefit of students.

Industry Interaction / Collaboration

Institute is in collaboration with Pancham Aquaculture for Prawn culture. • Institute has an MOU with the Institute of Chemical Technology, Mumbai for research in Material Sciences. • Institute has also signed MOU with Malkolak Knowledge Centre, Bio-FD, and C Anti-Ageing Institute, Incheon, South Korea, and CIFE, Mumbai. • Institute has established active interaction with the Tata Institute of Fundamental Research, Mumbai.

Admission of Students

Admission is purely on a merit basis and done in a transparent manner following online procedure. • All admission information is placed on the Institute's website as well as on the notice board of the office. • All admission-related payments are through a cashless online payment gateway • Reservations are strictly followed as per the State Government norms. • Admission at the research level is according to UGC and Mumbai University norms. PET/NET/SET/GATE qualified candidates are admitted to the Ph.D. program after conducting interviews.

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

E-governance area	Details
Planning and Development	Director and Research approval committee, primarily looks after the research ecosystem. The teachers are facilitated by UGC-funded minor research projects, patent assistance, seminar/ workshop grants, and other projects under various governmental and non-governmental schemes. The placement cell of the Institute arranges for industrial interaction and collaborations. The academic collaborative activities are also

carried out through MOUs and Linkages consistently.

Administration

The administration of the Institute is managed in Government's hierarchical management pattern. Department of Higher Education, Government of Maharashtra controls the overall administration through the Director, of Higher Education at the state level. At the Institutional level, the Director of the Institute reports to The Director, of Higher Education, and controls the administration and local management through academic and administrative decentralization of routine activities with the help of departmental Heads of individual subjects. The Local Management Committee (LMC), makes recommendations for the improvement and upgradation of existing academic, administration, and infrastructure, extra and co-curricular activities. Various academic and administrative committees are constituted at the beginning of the year or as and when required and the specific task is allotted to them as per the academic and administration plans of the college. IQAC has been established in the college, which meets regularly to assess the quality deliverance of education in the institute leading to achieving the course and program outcomes. The information about the achievements, curricular, co-curricular activities and extra-curricular activities carried out, participation of students in various activities and their achievements and participation of teachers in national and international conferences, seminars and workshops, etc are taken up in the IQAC. The office Superintendent is the head of Non-Teaching and Non-Technical staff and ensures the administration of various sections runs properly and efficiently as per the college plans and instructions of the Director

Finance and Accounts

The Institute office works for financial functions like audits, stores, publications, tendering, scholarships, salary, etc. of the institution.

Student Admission and Support

Student admission and support are well-taken care off by the scholarship PG section and DSD, NSS, and Sports

**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.P.S.More	Science day celebration	The Institute of Science Golden Jubilee Trust Fund	15000
2018	Sumit Prajapati	Course Fee and Travel Tropical marine biology and ecology	The Institute of Science Golden Jubilee Trust Fund	7000
2018	Rasika Ganame	Course Fee aquatic school	The Institute of Science Golden Jubilee Trust Fund	5000
2019	Dr. Umesh Kakde	Organizing conference	The Institute of Science Golden Jubilee Trust Fund	25000
2019	Swapnali Dhage	Joshi-soman fellowship	The Institute of Science Golden Jubilee Trust Fund	Nil
2019	Shivani singh	Conference Poster Presentation BARC	The Institute of Science Golden Jubilee Trust Fund	2500
2019	Ravindra Konda	Paper presentation Kolhapur Paper presentation Kolhapur	The Institute of Science Golden Jubilee Trust Fund	2250
2019	Dr Vishal Banewar	Paper presentation Nagpur	The Institute of Science Golden Jubilee Trust Fund	3200
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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)
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2018	NIL	NIL	Nil	Nil	Nil	Nil
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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
Summer Research Training Program, IISER, Kolkata	1	05/05/2018	22/05/2018	17
Refresher Course in Life Sciences	1	04/12/2018	25/12/2018	22
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
41	5	37	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>UGC Faculty Improvement Program, Mediclaim facility, Health check-up, staff training at YASHADA, Pune, Group Insurance. The Golden Jubilee Corpus Fund provides financial assistance to the Institute's teaching staff to participate in international conferences or to conduct workshops. In the year 2018-19 financial assistance of Rs. 25000 was provided through the corpus fund.</p>	<p>Co-operative Society facility, Mediclaim facility, Health check-up, Group Insurance.</p>	<p>Gymkhana facility with full-fledged gymnasium. Hostel facility, Canteen facility. Scholarships and Fellowships: Students are offered various scholarships and fellowships as per the merit and eligibility requirements. Students from reserved category and economically weaker sections are supported financially by the provision of the free ship and scholarships received from the Government and other agencies e.g. Government of Maharashtra Minority Scholarship, EBC/PTC/STC scholarship, Open Merit Scholarship, Daxina Fellowship, Post Graduate Indira Gandhi Scholarship scheme for the single girl child, J.N. Tata Endowment Loan</p>



scholarship etc. The Golden Jubilee Corpus fund provides financial assistance to the Institute students to participate in international and national conferences. In the year 2018-19, financial assistance of Rs. 518289 was provided. Scholarships/cash awards of Rs. 39200 were also given to meritorious students of different Departments.

#### 6.4 – Financial Management and Resource Mobilization

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

The institute has both internal and external financial audits regularly. The internal audit is done every year by Director ,Higher Education, Pune while the external audit is done by accounts general every 5 years. Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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
NIL	0	NA
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6.4.3 – Total corpus fund generated

0

#### 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	Nil	No	Nil
Administrative	Yes	Accounts and Audit General	Yes	Director Higher Education, Pune

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

NIL

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

Yoga Training Program

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

The peer committee recommended that the Institute should become autonomous. The Institute took the lead and prepared the DPR for the cluster university under

RUSA scheme. The Institute became lead Institute of the First Cluster University (Dr Homi Bhabha State University) of the State of Maharashtra on 13th of Feb 2019. The Peer committee recommended that the Institute should upgrade the infrastructure. The Infrastructure was upgraded by renovating the Laboratories and adding new Sophisticated Instruments. Choice based credit system introduced in the year 2019.

#### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
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	Environmental Day Celebration	05/06/2018	05/06/2018	05/06/2018	54
2018	Wilderness	05/10/2018	05/10/2018	06/10/2018	62
2018	Techniques Methods to Crack NET/SET in Mathematics	15/11/2018	15/11/2018	28/11/2018	40
2018	Spectroscopic Techniques	07/12/2018	07/12/2018	08/12/2018	95
2019	National Science Day	25/02/2019	25/02/2019	28/02/2019	116
2019	Sigmatics	19/02/2019	19/02/2019	19/02/2019	104
2019	Recent Trends in Chemistry	14/02/2019	14/02/2019	15/02/2019	140

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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
NIL	Nil	Nil	0	0

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
Environmental Science Department has celebrated Wildlife as a part of this On 5th 6th October 2018 Solid Waste Management Program ISAA has initiated a program on Solid Waste Management with an aim to achieve "Zero Garbage" status

for the Institute, in association with Bajaj Electricals Ltd on 13th June 2019.  
It will be done in collaboration with NSS group of The Institute of Science.

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	No	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0

#### 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
2019	1	1	20/02/2019	01	Mathematics Day – 2018” christened SIGMATICS 2019	why Mathematics is important in our life	100
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#### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
MCSR	23/07/1981	Nil
UGC	30/06/2010	Nil
Gazette Notification of HBSU	13/02/2019	Nil

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

Activity	Duration From	Duration To	Number of participants
Lecture on fundamental Rights Article 51 A	10/12/2018	10/12/2018	50
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- 1) Waste material disposal: Waste generated after practical work is disposed of as per the guidelines of CPCSEA and Environmental Department Guidelines.
- 2)

Composting pits are used to recycle garden and canteen waste. 3) M.Sc. students are encouraged to take small research projects to assess toxicity in the plants, pollution level testing, and heavy metal deposition in the plant leaves and soil. 4) Environmental awareness: Different competitions are organized to increase student awareness so that they can understand various environmental issues Such as Biosafety, Hygiene, Good Laboratory Practices waste disposal practices are part of the development the work culture. 5) Movement against plastic is also started through various programs on the occasion of Annual day celebrations.

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The Institute of Science, Mumbai organized Research Scholars' Meet organized by the Institute in association with ISAA on 4th April 2019. The Institute of Science, Mumbai organized Ten days Third National workshop on Techniques Methods to Crack NET/SET in Mathematics from 15th to 24th November 2018. Department of Chemistry, The Institute of Science, Mumbai organized "National Conference on Recent Trends in Chemistry" (NCRTC-2019) on 14th and 15th February 2019 The Institute of Science, Mumbai organized two days multidisciplinary seminar of "National Seminar on Communicating Recent Developments in Science" (NSCRDS-2019) on 27th and 28th February 2019

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

**Title:** Research environment **Goal:** To create a conducive environment for undertaking research activities. **The context:** Ours being a Post-Graduate Institute, research is a major component of our student Development program. **The Practice:** Internal Research Student Meet is organized so that students can express and exhibit research work undertaken by them. Students are trained through their project work and through various workshops organized by the Institute. Students are also encouraged to attend various conferences, meetings, and workshops. Students are provided access to modern laboratory facilities and instrumentation facilities within and outside the Institute. **Evidence of success:** This has resulted in many students as well as faculties guiding them presenting their work at national and international conferences. There are also a number of quality publications in good impact factor journals.

Provide the weblink of the institution

<https://iscm.ac.in/>

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

The Institute will act as the Lead College of the first Cluster University for the State of Maharashtra. It would implement CBCS in true spirit keeping in mind the radical transformation in the field of higher education. The focus would be on academic, research and value based holistic education. Since CBCS is to be implemented workshops are planned to introduce the changing scenario in higher education and evaluation reforms. Workshops will also be conducted to design CBCS based curriculum with the help of experts. Research being the forte of The Institute, talks and workshops related to Instrumentation would be conducted for PhD students which would eventually become a part of their PhD Coursework. Development of soft skills, career development programs would definitely on

cards. RSM which was the identity of The Institute will be revived with the help of Alumni Association. This will provide a platform to students to showcase their research work and motivate to publish their findings. Environment awareness sessions are also planned for the next academic year. Lecture series by eminent personalities, departmental fests, sports and cultural events are to be promoted. Faculty to be encouraged to undertake projects and publish research papers in reputed journals. Renovation of Room No. 36, upgradation of class rooms with ICT tools