



YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	The Institute of Science
• Name of the Head of the institution	Dr. Jairam Mulchand Khobragade
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02222829294
• Mobile no	9422810676
• Registered e-mail	iscmdirector@gmail.com
• Alternate e-mail	director@iscm.ac.in
• Address	15 Madame Cama Road Mumbai-32
• City/Town	Mumbai
• State/UT	MAHARASHTRA
• Pin Code	400032
2.Institutional status	
• Affiliated /Constituent	Constituent
• Type of Institution	Co-education
• Location	Urban
• Financial Status	UGC 2f and 12(B)

• Name of the Affiliating University	Dr. Homi Bhabha State University Mumbai				
• Name of the IQAC Coordinator	Prof.(Dr.) Aparna A. Saraf				
• Phone No.	02222829294				
• Alternate phone No.	9869357636				
• Mobile	9869357636				
• IQAC e-mail address	draparnasaraf@yahoo.co.in				
• Alternate Email address	draparnasaraf@iscm.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://iscm.ac.in/pdf/AQAR%202020-21%20FINAL.pdf				
4.Whether Academic Calendar prepared during the year?	No				
• if yes, whether it is uploaded in the Institutional website Web link:					
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.05	2014	05/05/2014	04/05/2019
6.Date of Establishment of IQAC			01/06/2004		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
DPDC	53	State Government DPC	2021	9334000	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		

9.No. of IQAC meetings held during the year	2	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p># Addressing the Health issues: Post Covid # Inter University programs by organising collaborative research activity. # Organising Fire safety drill for staff and students. # Talk on Women Safety and Law # Sessions on Global Schholarships and Financial guidance for Education abroad # Green Campus initiative</p>		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		

Plan of Action	Achievements/Outcomes
Addressing the Health issues: Post Covid	Vaccination Drive : 29th October 2021 Yoga sessions: 21st June 2021 & 12th May 2022 Blood pressure testing: 11th May 2022
Inter University program	Organised a Hands-on Workshop on Nanoparticle Synthesis and Analysis in collaboration with KC College, HSNC, University on 26th March 2022.
Lab Safety	Fire safety drill was organised for staff and students on 19th April 2022.
Women safety	Talk on Women Safety and Law on 26th March 2022
Building a sense of communal harmony among students	Communal Harmony Talk: 22nd April 2022
Green Initiative	Plantation drive on 11th April 2022 & World Water Day on 22nd March 2022
Extensive use of G-suite for Education for academic and administrative purpose.	All classes, exams, and meetings during the COVID-19 limitation period are conducted online using G-suite
To arrange activities for the inclusiveness of the students.	Many events, like the Jayanti Festival, Marathi Bhasha Din, National Science Day, Philosophical Association programme, etc., have been planned all year to ensure inclusiveness of the students..
Initiative of Career Advancement Scheme (CAS)	12 faculty members have received professor grade under CAS.
Renovation of Toilets, Laboratoriess & Classrooms. Waterproofing of terrace.	Work in progress.
13. Whether the AQAR was placed before statutory body?	No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	27/02/2023

15. Multidisciplinary / interdisciplinary

The Core Compulsory, Discipline Specific Elective, Ability Enhancement Course, Skill Enhancement Course, and Interdepartmental Course are the five course components that make up the syllabus.

Students may select other discipline-specific electives, ability- and skill-enhancing courses from the same department in addition to the core mandatory courses.

Also, they can choose from other departments' Interdepartmental Courses, Ability Enhancement Courses, and Skill Development Courses.

16. Academic bank of credits (ABC):

The process of registering the students for Academic Bank of Credits (ABC) was initiated and it will be completed by the end of the academic session 2022-2023.

17. Skill development:

Skill Enhancement Course is an essential component of the new CBCS curriculum. Its a 4 credit course that is specifically designed to improve the abilities of the students is available in the alternate semester.

Students from any discipline may enrol in these cross-disciplinary courses. The Institute offers skill-enhancement programmes in areas like Sericulture, Microbiology, Plant Tissue Culture, Chemoinformatics, Intellectual Property Rights, Soil Analysis, Statistical Tools and Methods, Bioinformatics, Instrumentation, Animal Tissue Culture, and Science Communication.

18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The Institute has made efforts to integrate basic ethos of Indian Knowledge system in its curriculum. Faculty members help students coming from rural background by also explaining the core concepts in vernacular medium, if required.

The Institute observes a number of significant days to promote Indian culture and heritage among students. Marathi Bhasha Divas and World Yoga Day were successfully held as a result of it.

To increase awareness of plants used in Traditional Medicine System, native medicinal plants are planted on campus.

Excursions have been planned to provide the students a foundational understanding of India.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The Institute is focused on aligning the curriculum with a student centric approach. Core, Interdisciplinary, Generic, Ability & Skill enhancement electives are introduced in the curriculum. This has provided a more holistic and comprehensive approach to the learning process and is suited to the needs of today's student. Assessments are done in various forms that measure the students' performance in relation to specific knowledge, skills and specific competencies which they are expected to acquire.

20.Distance education/online education:

Extended Profile

1.Programme

1.1 10

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 297

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 140

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 245

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 47

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 73

Number of sanctioned posts during the year

Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	10
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	297
File Description	Documents
Institutional Data in Prescribed Format	View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	140
File Description	Documents
Data Template	View File
2.3 Number of outgoing/ final year students during the year	245
File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	47
File Description	Documents
Data Template	View File

3.2	73
Number of sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution	
4.1	22
Total number of Classrooms and Seminar halls	
4.2	219.63
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	172
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Since its founding 100 years ago, the Institute has served as a bastion of science. The teaching-learning programmes include a variety of enrichment activities such field trips, industrial visits, internships, and excursions in addition to being restricted to the classroom. The Institute strives to develop specially enabling experiences that will aid each student in achieving both the general educational goal and the particular course objectives and learning outcomes. a wide range of student-centered, extremely engaging, and creative activities that combine several teaching techniques, including ICT when appropriate. The Institute offers tutorials, ongoing evaluations, and mentor-mentee interactions. The faculty has been sufficiently motivated, orientated, and professionally equipped to handle changes in the curricula thanks to alumni assistance. The Institute has made use of the CBCS system to give students the greatest amount of course selection options. For appropriate oversight and prompt procurement, committees have been established. By utilising e-

resources, responsibility, soft skills, and leadership traits, the Institute has made a quantum leap in its digital infrastructure to maintain its position as a knowledge-based community that is on the cutting edge. Teachers and educators use continuous assessment as a method to improve and enrich teaching and learning. The evaluation of students' performance in a given course includes the integration of assignments, projects, and presentations.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The academic calendar of the institution is prepared, based on the academic calendar of the university to enable effective execution of the teaching-learning process. A departmental calendar is made and synced with the institutional calendar to include departmental activities like seminars, workshops, guest lectures, symposiums, conferences, industry visits/training, value-added courses, certification courses, etc. The delivery of the curriculum is monitored by the Director and the Vigilance Committee.

Students are informed of the possible Internal Examination schedule thanks to the academic calendar.

The institution adheres to the academic calendars and uses the continuous evaluation method. For this, numerous committees have been constituted, including the Technical Committee, the Examination Committee, and the Feedback Committee. These committees all oversee and carry out the academic calendar's schedules.

Students are internally evaluated by faculty from each department using unit examinations, seminars, and assignments. Next, after identifying the students who are underperforming, teachers spend time with them to enhance their academic performance and provide academic counselling.

A programme called "Journal club" is also run by some departments, and it asks M.Sc. students to present recently published research articles related to the M.Sc. dissertation they are working on.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://iscm.ac.in/pdf/Academic%20calendar_2021-22.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

01

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

0

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

0

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment**1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum**

In order to fulfil its goal of providing our students with a high-quality education, the institute is dedicated to implementing best practises combined with a system of educational values. The Institution adheres to university curricula and places a high value on fundamental fields of human activity. Through a number of programmes run by different departments, the socially relevant issues relating to environmental sustainability, professional ethics, human values, gender sensitivity, community development, national integration, etc. have been incorporated into the larger framework of the syllabus. The Environmental Studies curriculum also addresses a variety of environmental issues, including sustainability. These programmes are made to maintain these important conversations at the forefront of the overall engagement. Departmental Clubs, Alumni Association, Philosophical Association, and NSS have steadfastly continued their outstanding work of educating students and the general public about the

dangers to our environment and the need to support environmental sustainability. Students are encouraged to take part in awareness campaigns for World Environment Day, World Ocean Day, Save Wildlife Rallies, and other topics including biodiversity and its conservation.

In conclusion, The Institute constantly works to mould and polish the character traits of our esteemed students, who represent the future of our society.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

06

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

170

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File
1.4 - Feedback System	
1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
File Description	Documents
URL for stakeholder feedback report	https://iscm.ac.in/pdf/Student%20Satisfaction%20Survey%202021-22.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded
1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
File Description	Documents
Upload any additional information	View File
URL for feedback report	https://iscm.ac.in/pdf/Student%20Satisfaction%20Survey%202021-22.pdf
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment Number Number of students admitted during the year	
2.1.1.1 - Number of students admitted during the year	

297	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

147	
File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Every Department continuously evaluates the development of the students learning progress. Students are observed during lectures and practicals to gauge their enthusiasm for learning, and the concerned professors or panel of teachers counsel them individually or in groups as necessary.

To evaluate students' learning, internal descriptive exams, quizzes, assignment writing with evaluation rubrics, presentations on syllabus themes, and cutting-edge research topics are planned and carried out.

In teacher meetings, slow learners and students with particular learning requirements are recognised. These students are given extra time for teaching and discussion sessions to aid in their learning. In order to help slow learners understand concepts more clearly, teachers provide them a study plan tailored to their needs and ask them to discuss their learning at the end of each week.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
549	47

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Experiential learning: During laboratory sessions, students gain knowledge through direct experience (Practical course). A descriptive problem statement is given to the students, who are then requested to conduct an experiment. Students comprehend the issue at hand, research it further in books and research journals, create an experiment protocol, carry it out, and publish the findings along with an interpretation of the findings. To further clarify the topic and discuss the findings, teachers hold pre- and post-laboratory discussions. Here, the teacher explains and aids the students in comprehending what happened during the practical session.

In order to ensure proper use of time and resources, students occasionally complete practical work in groups.

Each student takes part in the activity as a member of a team. Students engage in high-quality discussion during lectures as well as in-group discussions and debates on presentations made by other students. To discuss student assignments, current research issues, and other subjects pertinent at the time, special group discussions are organised. Assignments based on problems are required of the students. Students conduct a literature review and use the correct scientific method to develop a plan of action to address the issue.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Each class is equipped with computer and a projector. If necessary, an audio speaker system is used. Instructors employ readily available video tutorials, YouTube lectures, and scientific documentaries to explain the ideas during theory and practical sessions.

If it's necessary to discuss a certain topic, images, journal articles, articles from popular science magazines, and book chapters are also presented on the screen.

Software such as Minitab, Matlab, Scipad, Excel, Word, Latex, PowerPoint, and R programming are demonstrated in-person to help users improve their ability to simulate, model, analyse, and report data, as well as to produce articles and presentations.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

47

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

47

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

35

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

47

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

A transparent and robust mechanism of internal assessment which helps to promote a culture of continuous learning and improvement is followed at The Institute

The frequency of internal assessments is consistent and regular throughout the academic term. The mode and frequency of internal assessments is determined based on the course or subject requirements, at the departmental level.

The mode of internal assessments is diversified to cater to different learning styles and abilities which includes written assignments, oral presentations, group projects, and MCQ exams. This will help to ensure that students are given a fair and comprehensive evaluation of their knowledge and skills.

The criteria for assessment is clearly communicated to students before the assessment takes place. This helps to ensure that students are aware of what is expected of them and what they need to do to achieve a good grade. The criteria is based on learning objectives and aligned with the course or subject requirements.

The assessment process is transparent, and students are provided with feedback on their performance. This includes comments on their strengths and weaknesses, suggestions for improvement, and recommendations for further learning resources.

Such practices leads to better learning outcomes for students.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The mechanism for dealing with internal examination grievances are clearly communicated to all students at the departmental level. The process for addressing grievances is transparent, with all students having equal opportunities to raise concerns. This includes clear communication channels, record keeping and transparency on decisions. The head of the department in consultation with faculty members resolve the grievance in a timely and efficient manner thereby reducing the impact on students.

In this way The Institute establishes a transparent, time-bound, and efficient mechanism for dealing with internal examination grievances, helping to maintain a positive and productive learning environment.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Syllabus of all the courses offered by HBSU are available on the Institute website, it helps students and stakeholders to easily access the information. Programme and course outcomes for all Programmes offered by the institution are stated in the syllabus and displayed on website which is available to faculty members and students. Students are made aware of programme and course outcomes during the induction program conducted at the beginning of every academic session by the individual department. This ensures that students have a clear understanding of what they will learn and what they are expected to achieve. It also ensures that students are being evaluated on the skills and knowledge that they are expected to acquire during the course.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://iscm.ac.in/syllabusnew.php
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of Programme outcomes and course outcomes were evaluated by the institution in the following manner. Students were being evaluated on a range of skills and knowledge by using multiple assessment methods, including exams, assignments, projects, and presentations.

Departmental meeting regularly reviewed the status of completion of syllabus, overall performance of students and problems encountered both formally and informally. Syllabus completion report was submitted to the office towards the end of academic term. Vigilance committee monitored the overall conduct of lectures & practicals at The Institute and reported to the director. Director, during the meeting with HoD's, evaluated whether the outcome of PO's & CO's were met.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

260

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

107.3

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

32

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The ecosystem for innovation, academic excellence and research has evolved through the practices followed by the Institute. Faculty members are encouraged to participate in professional development programmes, organise conferences, seminars, and workshops, and attend them. The faculty orientation meeting was conducted online by the institute. The teachers created e-content to assist and support the pupils. There are videos available on topics like R-programming instruction.

The institution offers the students the necessary facilities and a welcoming environment. Students are encouraged to actively participate in the study fields that will have applications of technology for social requirements through M.Sc. Dissertations and Ph.D. programmes. Support is given for documentation, publishing research papers, and applying for patents, among other things.

There are regular meetings for research students as well as

workshops, seminars, and popular and academic guest lectures on a range of subjects. Additionally, the Institute has MOUs with prestigious institutions like ICT and TIFR.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

1

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

85

File Description	Documents
URL to the research page on HEI website	https://iscm.ac.in/phd.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

51

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year**

5

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Extension activities are a great way to enhance students' learning experiences, while also contributing to the holistic development. Sensitization activities offers the opportunity for students to develop new skills, broaden their understanding of social issues, and make a positive impact on their community. Additionally, participating in these activities can help students to build their confidence, leadership abilities, and sense of responsibility.

The Institute carried out various programs like Vaccination Drive for students of The Institute and neighbouring Colleges (29th October 2021), webinar on "Women Safety & Law" on 26th March 2022 in collaboration with the Public Concern for Governance Trust, Fire Protection Demonstration (19th April 2022) by Fire Brigade Department, Colaba, Mumbai, an invited talk on Communal Harmony (22nd April 2022).

A special initiative targeting educational opportunities abroad was also taken over by organising a webinar on "Admits to global scholarships and financial guidance studies abroad" by EDWISE, Mumbai (25th February 2022), interested students were also sent to US-Canada Fair for higher studies on 14th April 2022.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

0

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

0

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

7

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

3

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institute's century-old Grade I UNESCO building is spread out over an area of 14895.4 square metres, with a built-up carpet surface of 8850.29 square metres. 19 classrooms with Wi-Fi/LAN, 38 laboratories, 9 classrooms with LCD facilities, and a seminar hall/auditorium with seating for 200 students and excellent IT amenities are all housed in the building. Classes are scheduled for optimal utilization of the available physical infrastructure. The labs are equipped with sophisticated instrumentation facility.

The Institute has a central library with a reference section, a journal section, a reading room, and with recent books and journals. One of the city's oldest libraries, it houses a collection of 29108 books. The Institute subscribes to journals like Nature-Science and Current Science.

The Institute also features auxiliary amenities like gymkhanas, canteens, hostels for both boys and girls, and a medicinal garden. On each floor of the campus, there are separate toilet blocks and water coolers with water purifiers. The Institute is always focusing on infrastructure development and upkeep to offer a favourable teaching-learning environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute has sufficient infrastructure and resources to support a wide range of extracurricular activities and physical fitness programs.

The Institute organizes cultural events and festivals to promote the arts, culture and sports. Cultural activities includes various forms of performing arts such as music, dance and art. The Institute has infrastructure to support these activities. For sports and games, the institution has appropriate infrastructure, such as gymkhana, fields and courts to support a variety of sports and games. The facilities are well-maintained and safe for use. The institution has a gymnasium or fitness center equipped with modern exercise equipment and facilities for strength training, cardio, and other fitness programs. Additionally, space for conducting a yoga session is also available to promote mental and emotional well-being.

Overall, the Institute has adequate facilities for cultural activities, sports, games, gymnasium, yoga, and other extracurricular activities which are essential for providing a well-rounded education that fosters creativity, physical fitness, and holistic development of students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iscm.ac.in/gym.php

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

03

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

126.29

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-

D. Any 1 of the above

books Databases Remote access toe-resources	
File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File
4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)	
4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
0	
File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File
4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)	
4.2.4.1 - Number of teachers and students using library per day over last one year	
31	
File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded
4.3 - IT Infrastructure	
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi	
The Institute frequently updates its IT facilities, including Wi-Fi, placing a high priority on keeping up with the latest technologies and ensuring that students have access to reliable	

and fast internet connectivity. Wi-Fi is an essential aspect of any modern educational institution as it enables students and staff to access online resources, collaborate with peers, and engage in remote learning activities. Therefore, the institution invests in high-quality Wi-Fi infrastructure that can support the growing demands of online education and research.

By frequently updating its IT facilities, the Institute ensures that students have access to the latest hardware and software tools that are necessary for learning and research. This includes high-performance computers, interactive Smartboards, LCD projectors, and other specialized equipment that may be required for specific programs or courses. Moreover, up-to-date IT facilities improve the overall efficiency of administrative tasks and communication between faculty, staff, and students. This includes online portals for accessing course materials and grades, email systems, online conferencing tools, and other collaborative platforms.

Overall, the institute frequently updates its IT facilities, including Wi-Fi, demonstrates a commitment to providing a high-quality learning environment that is conducive to academic success and technological advancement.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

172

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

93.34

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The Institute has protocols and guidelines to ensure that infrastructure facilities are well-maintained, safe, and utilized to their full potential. These facilities includes laboratories, libraries, gymkhana, computer labs, and classrooms, among others.

When it comes to laboratory facilities, established systems and procedures involves regular maintenance and cleaning schedules, proper storage and disposal of hazardous materials, and training for students and staff on how to use the equipment safely and effectively.

Similarly, when it comes to libraries, established systems and procedures includes the proper cataloging and organization of books and other materials, the availability of online databases and other resources, and protocols for borrowing and returning books.

For Gymkhana, established systems and procedures includes the maintenance of equipment and facilities, schedules for using the facilities, and protocols for ensuring the safety of students while participating in sports and physical activities.

When it comes to computers and classrooms, established systems and procedures involves regular maintenance of the hardware/ software, and the availability of technical support for students and staff.

Overall, The Institute has established systems and procedures for maintaining and utilizing physical, academic, and support facilities which are essential for providing a safe and conducive learning environment that is equipped to meet the needs of students and faculty.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

171

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

45

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://iscm.ac.in/pdf/Capacity%20building%20and%20skills%20enhancement%20initiatives.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

80

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

80

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above
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File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

21

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File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

2

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The institute actively facilitates students' representation and engagement in various administrative, co-curricular, and extracurricular activities to create a more dynamic and enriching learning environment for its students. It encourages to develop students' leadership skills, foster a sense of community and belonging, and provide opportunities for personal and professional growth.

Students are represented in various committees like Philosophical Committee, Gymkhana Committee, Campus Maintenance & Cleanliness Committee, Annual Report & Magazine Committee, Research Scholars Meet, IQAC, NSS, PTA, Student Council Committee and Internal Complaint Committee.

Apart from these committees, Students representatives also forms an integral part of Academic Council and Management Council of the University.

Another area where institution facilitates student engagement is departmental bodies like Botanical Society, Physics Society, Microbiological Society and Zoological Colloquium, where students are provided with opportunities to develop leadership skills, teamwork, and a sense of responsibility by conducting various

festivals. These activities can also help to promote physical and mental well-being, which is important for students' overall health and academic success.

Students also assisted in organising online activities and ensured smooth functioning of online and offline events.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

0

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Institute of Science Mumbai Alumni Association (ISMAA) plays an important role in supporting the progress and development of students. It is a registered organization under the name The Institute of Science Mumbai Alumni Association (ISAA) having 12 Patron members and 301 Life Members. ISAA conducted The Executive Committee Meeting (ECM) on 8th May 2022 and Annual General Body Meeting (ABGM) on 18th June 2022.

On 2nd June 2021 A webinar was conducted " How to read Scientific Literature & Introduction to MANAV- The Human Atlas Initiative ". It was conducted by Dr. anupama Harshal. The webinar was followed by two Online tests.

On 15th November 2021 ISAA in colabration with Nina foundation conducted a workshop titled "Spinal Cord Injury (SCI) - a Devastating & Incurable Permanent Disability" by Dr. Ketna Mehta, founder of the NGO Nina Foundation in collaboration with The National Academy of Sciences, India (NASI), Mumbai Chapter. On 1st December 2021 a talk on " "Food Futures and Plant Proteins" was conducted by Prof. Gurmeet Singh (IIT-Delhi; MS- Pennsylvania, USA) Professor & Head, Center for Ayurveda Biology & Holistic Nutrition, University of Trans Disciplinary Health Sciences & Technology, Bangaluru and Founder, Bev-Science Private Limited.

File Description	Documents
Paste link for additional information	https://iscm.ac.in/pdf/Alumni%20Associatio n%20Report%202021-22.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The Institute's activities are aligned with the values, goals, and objectives of the institution. This alignment ensures that the Institute is able to achieve its long-term objectives and maintain its relevance and impact in the field.

The vision and mission of The Institute is typically expressed in its strategic plan, which outlines the institution's long-term goals, objectives, and values. The governance of the Institute involves the leadership that oversee the implementation of this

strategic plan. This includes the Director, the heads of the departments, and other senior faculty members who are responsible for making decisions about the institution's policies, programs, and resources.

The Institute's faculties are actively working to align their decision-making with the institution's strategic plan. This ensures that the institution's resources are allocated in a way that supports its goals and objectives, that policies and procedures are developed to align with the institution's values, and that the institution's culture and practices are consistent with its vision and mission.

This involve regular reviews and updates of the institution's strategic plan, ensuring that the institution's governance structures are inclusive and diverse, and fostering a culture of transparency and accountability.

File Description	Documents
Paste link for additional information	https://iscm.ac.in/vm.php
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The Institute of Science has to abide by the service rules and procedures of the Higher and Technical Education Department as well as the university rules and regulations.

The Director constitutes committees who share the responsibility of the development of academics, research and development, and linkages with industries and the alumni association for integrated planning. They also plan, monitor, guide and coordinate academic programs of the Institute and its departments. Decentralization is accomplished by creating multiple committees with a comprehensive representation of students, faculty, industry, administrators, academia, alumni and other stakeholders to display their skills and contribute to the creation of high-quality results.

By utilising the enormous and varied experience of eminent educationists and scientists for the building of newer curriculum, the Institute has developed an effective knowledge management approach for the efficient and qualitative operation of the

academic and administrative system. An awareness/empowerment programme such as departmental fests, street shows, teaching, training, sports, cultural events, research meetings, etc. is organised to bring about mental change for a meaningful life

File Description	Documents
Paste link for additional information	https://iscm.ac.in/pdf/Academic%20and%20Administrative%20Committees%202022-23.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Since February 2019, the institute has been affiliated to Dr. Homi Bhabha State University. The institute has revised its curricula through the BoS committees of all subjects and embraced the choice-based credit system in real sense. This has given maximum exposure to the students on recent trends and its application in each subject. The Vigilance Committee, which closely adheres to the academic calendar, continually monitors and evaluates the quality of teaching and learning.

Director conducts periodic meetings with Head of the Departments, Faculty, statutory and non-statutory committees to review their progress. Heads of the department and Committees send their activity report towards the end of the academic year.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Institutional policies are the guiding principles that determine its behavior and decision-making. Effective policies are clear, consistent, and aligned with the organization's goals and objectives. They are regularly reviewed and updated to reflect

changes that may impact the organization.

The Institutes administrative setup ensures that roles and responsibilities are clearly defined, that there is a clear chain of command, and that there is efficient coordination between different departments and Committees.

Appointment and service rules ensure that qualified candidates are hired and promoted based on merit, that there is a fair and transparent recruitment process, and that there are clear guidelines for performance evaluation and disciplinary action.

Procedures accomplish a task or achieve a goal within an institutional body. They are clear, concise, and consistent, and should provide clear guidance on how to accomplish tasks or achieve goals.

Overall, the functioning of an institutional body is effective and efficient since the policies, administrative setup, appointment and service rules, and procedures are designed and implemented in a way that supports the organization's goals and objectives, while also ensuring transparency, fairness, and accountability.

File Description	Documents
Paste link for additional information	https://iscm.ac.in/pdf/MCSR%201981.pdf
Link to Organogram of the institution webpage	https://iscm.ac.in/pdf/Organogram.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

B. Any 3 of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

TEACHING UGC Faculty Improvement Program, Mediclaim facility, Health check-up, staff training at YASHADA, Pune, Group Insurance.

NONTEACHING Co-operative Society facility, Mediclaim facility, Health check-up, Group Insurance.

STUDENTS Gymkhana facility with full-fledged gymnasium. Hostel facility, Canteen facility. Scholarships and Fellowships. Government of Maharashtra Minority Scholarship, EBC/PTC/STC scholarship, Open Merit Scholarship, Daxina Fellowship, Post Graduate Indira Gandhi Scholarship scheme for single girl child, J.N. Tata Endowment Loan scholarship etc. The Golden Jubilee Trust Fund provides financial assistance to the students to participate in international and national conferences.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

1

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

3

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

As the Institute is under the Maharashtra Government, it abides by the rules and regulations formulated by the govt. from time to time. The institution follows the performance appraisal system laid down by the Government. The prescribed forms are released by the government in the month of March every year. The Institutions Performance Appraisal for teaching staff has a prescribed format where in the teacher has to justify his/her academic outcomes including research for the respective academic year. These performance appraisal forms are endorsed by the Head of the Institution and then sent for final approval to the Director Higher Education who confirms the academic grading of the teacher. Institutions Performance Appraisal for nonteaching also has a prescribed form in which they have to justify their overall work for the respective academic year. This is then endorsed by the Head of the Institution and sent to Regional Joint director Higher Education to confirm the final grade of the nonteaching staff.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly 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

Being a government institution, financial audits are regularly performed in accordance with the established guidelines of the Government of Maharashtra. Regular audits are done by the Auditor General (AG Office), the Pay and Account Office, the Joint Director for Higher Education, and the Stock Valuation Office. The objections raised during the audits are duly responded within the allotted time frame. In this academic year, no audit of that nature was conducted.

Every Departments conduct a stock verification to evaluate the supply of consumables including chemicals, glassware, and class materials as well as to check the condition of equipment and machinery. At the departmental level, internal stock verification is completed, and the Director then certifies it. This practise is beneficial when placing the request for the upcoming academic year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institution is run and administered by the Government of Maharashtra. The government provides salary grants to the Institute for both teaching and non-teaching positions.

Infrastructure development grants are also received from government agencies like DPDC. Non salary funds are also provided by DHE. The Institute also offers self-financed courses (Environmental Science & Biotechnology), and the fees collected cover the cost of these courses' salaries and other non-salary expenses. To ensure the best possible use of resources, all expenses are carefully audited by numerous government organisations, including the AG Office, DHE Office, JDHE, Bhandar Padtalni, and Vetan Padtalni.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC plays a pivotal role in framing the Academic calendars which is important in the functioning of the institute as it provides timeframe, structure and organization, promotes accountability and compliance, and helps to allocate resources more efficiently. All departments conduct meetings which are convened by the Heads of the Department. Topics of discussion usually consist of teaching, student counselling, curriculum and proposed activities of the department.

IQAC is also instrumental in framing Vigilance Committee, which is entrusted with the responsibility of supervising the timely delivery of curriculum. This helps to monitor the performance of faculty which in turn maintains the quality education.

IQAC ensured that CAS proposals of faculty due for promotion were properly scrutinised and forwarded to higher authorities.

Healthy interaction with alumni on a regular basis to promote quality education and industry interactions for the benefit of the students.

Promoting research through organisation of workshops, seminars, conferences and sensitization programs.

In all, the IQAC has developed a quality system for conscious,

consistent and catalytic programmed action to improve the academic and administrative performance of the Institute.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Institute focuses on a learner-centric educational strategy that shifts teachers' traditional roles as information providers to learning facilitators by adopting appropriate practices.

The Institute with the assistance of IQAC has adopted a feedback system that takes suggestions from students to obtain an unbiased opinion about the institutional performance, especially in the academic realm. Online feedback is collected from the students which are analyzed department-wise and reviewed for ways to improve the teaching-learning process. Feedback report was then displayed on the website.

The IQAC reviews Research, activities such as Research Projects, Field Projects, Internships, Industrial Visits, Paper Presentation, Publication, Consultation, and Professional Development Programmes in order to monitor the operation of the Institution on various parameters provided by NAAC.

Under the supervision of IQAC, the Institute was proactive in ensuring regular online and offline classes and examinations. All the classrooms are WI-FI- enabled. Students get free access to WI-FI during the stay in the campus.

Faculty use library facilities like INFLIBNET and other eresources to gather information. Classrooms are connected with LCD projectors for better Audio-Visual Aids in teaching.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The Institute shows gender sensitivity by providing facilities such as a) Safety and Security b) Counselling c) Common Room d) Girls Hostel and other infrastructure

a. Safety and security 1. CCTVs, connected to the Director's Office, are installed at strategic positions in Institute to ensure the security of students and staff. 2. The members of the Discipline Committee have made a code of conduct to be followed by students. 3. During study tours or fests, lady staff accompanies students.

b. Counselling 1. The Institute also has a Mentoring System 2. The Women Empowerment and Grievances Cell organized a Webinar on WOMEN SAFETY AND LAW in collaboration with the Public Concern for Governance Trust on 26th March 2022.

Resource person Mr. D.Shivanandan, Former DGP Maharashtra, gave an insight of various women safety laws and the special cells which work only for the safety of the women. He gave valuable tips to girls to face any situation which matters with the safety.

c. Common Room and other infrastructure

1. The Institution has a Common Room for girls at the campus equipped with sanitary pad vending machine. 2. Separate washrooms are available for lady staff and students. 3. Gymkhana is available for girls and boys.

d. Hostel facility for Girls

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://iscm.ac.in/pdf/Specific%20facilities%20provided%20for%20women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Reduce, Recycle, and Reuse: The garden waste, garbage, paper, e-waste, and laboratory waste are segregated as per the Bhruhanmumbai Municipal Corporation (BMC) Guidelines. Waste generation from tree droppings and Canteen area major solid waste generated on the campus. The waste is segregated at the source by providing separate dustbins for Biodegradable and Nonbiodegradable waste. The biodegradable waste from the Institute campus is converted into compost. The Institute has adopted two composting processes. One in 24sqft compost pit and another is Dual Bio Composting Tumbler. After completion of the process, compost is used as manure in the garden, and lawns. In the year 2021-22, 70 kg of compost was harvested. Single-sided used papers are reused for writing and printing in all departments. Important and confidential reports/ papers are shredded and sent for recycling after the completion of their maintenance period.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

E. None of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles

C. Any 2 of the above

3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	E. None of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Institution strives towards maintaining an inclusive environment for all stakeholders. The Institute organizes multicultural events, festivals, and workshops that celebrate various cultures and promote cross-cultural understanding. Festivals like Dasra, Dandiya-ras, Holi, Diwali, Christmas, Makarsankranti are celebrated to promote a sense of togetherness. Womens Day, Yoga Day, Marathi Bhasha Divas are a part of celebration at the Institute.

The Institute implements policies that address discrimination and ragging, creating safe spaces for students from different backgrounds. Anti Ragging Cell, Student Grievance Cell helps students to address such issues.

The Institute promote equal representation and inclusivity by strictly adhering to admission rules which are based strictly on merit and following government reservation rules irrespective of language, religion or caste. Students from diverse cultural background form the strongest pillar of the institution. Scholarships as per Government rules are given to the SC/ST/ OBC students for their upliftment and inclusive progress in the world of education.

Awareness programmes are held on a regular basis by the NSS and IQAC promoting cultural diversity and inculcating the spirit of inclusion.

By embracing tolerance and harmony, The Institute fosters social cohesion, enhance cross-cultural understanding, and create opportunities for individuals from all backgrounds to thrive.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Sensitizing students and employees of an institution to their constitutional obligations is essential for creating a responsible and informed citizen. This involves educating individuals about their rights, duties, responsibilities, and the values enshrined in the constitution. Such education helps individuals understand the role they play in society and how their actions can impact the larger community.

The Institute organized online seminars to educate students and employees about their constitutional rights, duties, and responsibilities. Women Empowerment and Grievances Cell in collaboration with Public Concern for Government Trust organised a talk on Constitutional literacy program by Ms. Ruchi Bhagat, Program Manager, PCGT, Mumbai on 18th December 2021. She shared her knowledge and experiences on constitutional matters.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes

B. Any 3 of the above

professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institute celebrated National & International commemorative days, events and festivals to celebrate significant historical events or important milestones, for example World Environment Day, International Yoga Day, Independence Day, Teachers Day, Republic Day, International Womens Day, World Earth Day and Maharashtra Day.

In addition to the above, various festivals like Dasher, Navratri-Garba, Makar Sankranti are also celebrated with great fanfare.

Institute of Science celebrated all the commemorative days and events as per the GR of the Government of Maharashtra to remember the significant contribution of great eminent personalities towards the nation.

These occasions provide an opportunity to honor, acknowledge the accomplishments, struggles, and progress that have shaped our country and foster a sense of pride. They provide an opportunity to educate the students and promote understanding, tolerance, and empathy towards diverse cultures, communities, and global challenges such as environmental conservation, gender equality, and more. National and international celebrations bring people together, fostering a sense of unity and solidarity. The celebration of these days, plays a vital role in raising awareness, fostering unity, advocating important causes, promoting

understanding, and inspiring positive action. These occasions provide invaluable opportunities for personal and collective growth, while contributing to a more inclusive, informed, and interconnected world.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Title: Green Initiatives

Objectives: To improve the green cover of Institute Campus.

Context: Concious efforts towards conservation and propogation of native medicinal plants which would lead to create an awareness among students about their importance.

Practice: Students and faculty members planted more than 100 medicinal plants in the Institute Garden.

Evidence of Success: Students gained knowledge regarding phytochemical constituents, pharmacological uses of plants, planted by them. Students from nearby colleges visited the garden.

Problems Encountered: Watering the plants during the vacation period posed a problem for maintaining the plants.

Title: Inter University workshop.

Objectives: Bringing together faculty members, researchers, and students from both universities to exchange knowledge, ideas, and expertise.

Context:

Promoting interdisciplinary research and exchange of ideas

Providing platform for participants to have hands-on training

Enhancing the development of participants through exposure to new ideas and methods.

Practice: The Institute in collaboration with KC College, HSNL University conducted workshop on Nanoparticle Synthesis & Analysis on 26th March 2023.

Evidence of Success: More than 100 participants had an opportunity to engage in collaborative learning which contributed to the advancement of knowledge in the field of Nanotechnology. Manual was developed for further use and application.

Problems Encountered: Space and time constraint.

File Description	Documents
Best practices in the Institutional website	https://iscm.ac.in/pdf/Best%20practices%202021-22.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The Institute fosters a culture of research by creating an environment where students and faculty members are encouraged to engage in research activities along with their academic work. This culture involves a variety of activities, such as conduction of seminars, workshops, hands-on training, research-based programs and internship. They are also encouraged to approach funding agencies for research projects.

It provides an opportunity for students to learn research skills, develop critical thinking, problem-solving, and communication skills which can be used throughout their academic and professional careers.

Faculty members engage in cutting-edge research, publish their findings, and advance their careers. It also helps them stay updated with the latest trends and developments in their respective fields.

The Institute offers research-based classes where students learn the skills required to conduct research in their field. Microbiology department regularly conducts sessions on use of softwares for research purposes e.g R programming. Mathematics department conducts sessions on research methodology and data analysis tools. Botany, Chemistry and Physics departments conducts Hands-on instrumentation workshops for students.

Departments organize research events like seminars, workshops, and conferences. These events provide opportunities for students and faculty members to present their research findings, exchange ideas, and network with experts in their fields.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Enhance Learning Outcomes: The Institute plans to use technology to improve learning outcomes by installing Smart Class setup for effective curriculum delivery.

Invest in Professional Development: Provide training and development opportunities for faculty and students to enhance their skills and knowledge by organising workshops, Hands-on trainings, Conferences, webinars and seminars.

Foster Student Engagement: Provide opportunities for students to participate in extracurricular activities, including departmental clubs, organizations, and volunteer work. Create a supportive learning environment that promotes student engagement and academic success.

Expand Outreach and Collaboration: Engage with community partners and stakeholders to expand opportunities for collaboration and outreach. Build partnerships that create meaningful connections with local organizations and industries, and that provide students with practical experience and networking opportunities.

Strengthen Institutional Infrastructure: Invest in the institution's infrastructure, including technology, facilities, and equipment. Ensure that the institution has the necessary resources to support teaching, research, and student services.

Green Initiatives: The Institute plans to expand its green initiative by developing a Medicinal Plant Garden under CSR activity.

Health awareness programs: Organise Yoga sessions and Medical Camps

Internship programs: To conduct Internship programs for students of other Universities.

Promotion of Science: The Institute plans to organise programs for neighbouring Schools & Colleges for promotion of Science.

Alumni engagement: Organise Alumn Meet and felicitate eminent alumni of The Institute in collaboration with Alumni ssociation.