



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	The Institute of Science Mumbai
• 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
• 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.	02222829294
• 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/MHCOGN10212.pdf
4. Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://iscm.ac.in/pdf/Isc%20Academic%20Calendar%202019-20.pdf

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
Institute	Institute In frastructure	State Government	2021	148.86 Lakhs
Dr. S. B. Kulkarni	Minor Research Project	UGC-DAE-CSR	2018	3.6 Lakhs
Dr. Pravin More PI, Dr. Yuvraj Malghe Co-PI and Dr. Rajesh Raut Co-PI	Major Research Project	RGSTC	2018	6.16 Lakhs
Dr. A.V. Kadam	Minor Research Project	Marathwada University	2019	7.25 Lakhs
Dr. Selby Jose	Minor Research Project	Science and Engineering Research Board (SERB)	2018	1.1 Lakh

8.Whether composition of IQAC as per latest NAAC guidelines	Yes		
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File		
9.No. of IQAC meetings held during the year	1		
<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	No		

during the year?	
• If yes, mention the amount	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
# Addressing the mental health of students by reviving Mentor-mentee program # Workshop for faculty on various online tools for Teaching and Learning # Session on "Improving Quality in Higher Education through Examination Reforms" # Workshop on Conduction of Webinars on various research and curriculum related topics. # Promotion of research	
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
<p>Curricular aspects: To organize training for innovations in teaching learning process</p>	<p>Initiatives undertaken during the pandemic Academic session began with online mode of curriculum delivery. Workshop for faculty was organised on use various online tools available for Teaching and Learning by Dr. Selby Jose. Training on Online teaching through multiple digital platforms from zoom, google meets, Microsoft teams and cisco Webex was given to all faculty members.</p>
<p>Teaching Learning Evaluation Student centric approach.</p>	<p>Augmenting Quality of Teaching-Learning Taking into consideration the pandemic situation, the teaching pattern was accordingly modified. Implementation of interactive strategies with the student learner at the center, Using an appropriate blend of methods including ICT. Student projects, collaborative work and presentations used as teaching modes in addition to the lecture mode. Student centric Practices in the Classroom Interactive sessions with students Special attention specific to student needs. Continuous assessment and analysis of performance. Multiple opportunities for improvement of performance. Evaluation reforms Online session was organised on "Improving Quality in Higher Education through Examination Reforms" by Prof. N.V. Thakkar on Saturday, 10th April 2021</p>
<p>Research & Innovations</p>	<p>Encouraging Research Paper publication: 59 research papers in UGC referred journals. PhD</p>

	enrolment: Several teachers approved as PhD supervisors under HBSU thereby increasing the intake of PhD students.
Student support and progression Guest lectures of eminent scientists	Enrichment Activities Frequent Seminars, Workshops, Invited Lectures etc. organized. One Day National Webinar on HPTLC: Method Development 20th May 2020 The webinar was conducted by Dr Saikat Malik, ANCHROM and was well attended by 479 participants via ZOOM platform One Day National Webinar on HPTLC: Method Validation 21st May 2020 Dr. Vishwajit Kale from ANCHROM conducted the webinar which was attended by 318 participants on ZOOM platform "Intellectual Property (IP) - 101" Dr. Vaishali Palwankar on 6th March, 2021 "Off-grid Solar System Design": Dr. Sudesh Bhagwat on 13th March, 2021
Enhancing Infrastructure	Renovation of laboratory and classrooms. Making the college campus disabled-friendly by installing ramps near the gate and in the main building
Eco-friendly Campus	Plantation drive was conducted

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
Yes	09/02/2023

15.Multidisciplinary / interdisciplinary

Syllabus has 05 course components viz. Core Compulsory, Discipline Specific Elective, Ability Enhancement Course, Skill Enhancement Course and Interdepartmental Course. Apart from Core Compulsory Courses, students can choose various Discipline Specific Elective, Ability Enhancement Course, Skill Enhancement Course from the same department. They also have a choice to select Ability Enhancement Course, Skill Enhancement Course and Interdepartmental Course from other departments.

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 2021-2022

17.Skill development:

Skill Enhancement Course is an integral part of the new CBCS syllabus. Alternate semester has a provision of 4 credits course dedicated to enhance the skills. These courses are interdisciplinary and are open to students across their subject. Skill Enhancement courses like Animal Tissue Culture and Science Communication, Microbiological Techniques, Plant tissue culture, Chemoinformatics, Intellectual Property Rights, Soil Analysis, Statistical Tools and Techniques, Bioinformatics, Instrumentation, Sericulture and Ecotourism are conducted across departments at the Institute.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):****20.Distance education/online education:****Extended Profile****1.Programme**

1.1	09
Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	View File
2.Student	
2.1	276
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	266
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	41
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	

File Description	Documents
Data Template	View File

4.Institution	
4.1 Total number of Classrooms and Seminar halls	22
4.2 Total expenditure excluding salary during the year (INR in lakhs)	1000
4.3 Total number of computers on campus for academic purposes	100

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

The Institute has been a citadel of science since its inception 100 years ago. The teaching-learning programs are not restricted only to the classroom but include a range of enrichment activities like field visits, industrial visits, internships and excursions. The Institute works towards creating uniquely enabling experiences to help each student to accomplish the generic goal of education, and specific course objectives and learning outcomes. An array of student-centric, highly interactive and innovative activities, blending a variety of methods including ICT where explored. Tutorials, continuous assessment and mentor-mentee interactions are conducted at the Institute. With Alumni support the faculty have been adequately motivated, oriented and professionally enabled to handle changes in the syllabi. Under CBCS, the Institute has leveraged the system to provide students maximum available flexibility in choice of courses. Committees have been created for proper monitoring and timely procurement. The Institute has taken a quantum leap in digital infrastructure to remain on the leading edge as a knowledge-based community, leveraging e-resources, responsibility, soft skills and leadership qualities. Faculty members undertake continuous assessment as a tool for enhancing and enriching teaching-learning. Assignments, projects and presentations

are integrated to judge students' course-specific achievements.

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 university calendar to ensure proper implementation of teaching-learning process. Departmental calendar is prepared and aligned with the Institutional calendar to include department activities like seminars, workshops, guest lectures, symposiums, conferences, industrial visit/training, value-added course, certification course etc.

Vigilance Committee was constituted to monitor the online teaching. The link of online lectures was also sent to Director/Vigilance Committee, who randomly used to attend the online lectures. The online teaching record was submitted by every Head of the Department at the end of every month to the Director.

Continuous internal evaluation is an integral part of syllabus. Internal evaluation was done by conducting Online Seminars, MCQ test and assignment on various online platform. Time table for the internal evaluation was circulated through Whatsapp. Academic calendar ensures that students are aware about the tentative schedule of Internal Examination schedule.

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

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating

A. All of the above

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

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	No File Uploaded
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)

NIL

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

NIL

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

The Institution has a holistic approach towards the overall development of the students. The various programmes were arranged related to Gender Equity, Sustainability, Human Values and Ethicsthrough various committees like National service scheme, , Women Empowerment cell, Anti ragging committee, Students Grievances and Redressal Committee, Counseling and mentoring committee, Discipline Committee and Philosophical Association.The Online Quiz Competition, "Understanding COVID-19" was organized in the month of July, 2020. About 3400 students participated in the activity.Multi layered plastic - Awareness creation and collection drive was organised by the Environmental Science Department.

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.	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**10**

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
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**172**

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	Nil
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

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	Nil

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

275

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

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

Each Department assess students learning progress on continuous basis. Students are observed during their lectures and practical for learning passion and consoled by the concerned teachers or panel of teachers personally or in groups as appropriate

Internal descriptive exams, quizzes, assignment writing with assessment rubrics, presentations on syllabus topics and cutting edge research topics are scheduled ad conducted to assess students for their learning.

Students with special learning needs and slow learners are identified in teacher meetings and such students are provided special extra time teaching and discussion sessions to help them learn. For slow learner, students are assigned a learning schedule based on their needs and asked to discuss their learning at the end of the week where teachers guide them to understand more effectively.

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
529	48

File Description	Documents
Any additional information	View File

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: Students learn by experience during their laboratory sessions (Practical course). Students are asked to perform an experiment using a descriptive problem statement. Students are expected to understand the problem, find more information from books and Research journals, prepare a protocol and perform the experiment and report the results with interpretation of results. Teachers hold pre laboratory and post laboratory discussions to explain the concept in more details and discuss the results. Here teacher discuss and help students to understand the events during the practical session.

Students perform the practical sometimes in groups, do proper labour distribution to ensure proper time and resource utilisation. Each student participates in the activity as team member. Students participate in group discussions, discussions on presentation delivered by other students and also engage in high quality discussion during the lectures. Special group discussions are arranged to discuss on student assignments, current research topics and other topics relevant at that time.

Students are asked to submit problem based assignment. Students to literature search and apply proper scientific method to design a strategy to solve that problem. assignments are discussed in class.

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 provided with a computer and projector. If required speaker system is used for audio. Teachers use video protocols available, high quality YouTube lectures, scientific documentaries available to teach the concepts during theory and practical sessions.

Photographs, journal articles, popular science magazine articles, book chapters are also projected on the screen if need arises to discuss a particular point.

Hands on demos are provided for software like Minitab, mat lab, Scipad, Excel, word, latex, PowerPoint, R programming to enhance their skills to simulate, model, analyses and report data, to prepare manuscripts and to prepare 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

48

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

48

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

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

0

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)	No File Uploaded

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**

48

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.

Each department prepare detailed schedule of internal assessment quiz, presentations, and assignments with due discussion with the concerned teachers. A rubric is prepared, discussed with teachers and communicated to students.

Students are asked to read and understand the schedule and rubric. The same is discussed with students by teachers. Students queries are answered and the schedule and rubric is finalized with required modification if any.

The internal assessment activities are performed and teachers evaluate the students.

Students are lauded and guided for improvements in further activities.

A proper record of internal evaluation is maintained and the internal assessment marks are submitted to the university

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

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

The students are asked to discuss the issues they may face due to nature ad schedule of internal assessment activities before finalization of schedule. Their concerns are considered to prepare schedule and decide on nature of the activities.

During the actual activity, students are guided if required, resources necessary are provided.

The delay I submissions is handled based on merit of the reason of delay. Students who failed to submit the assignment in time are provided a grace time to submit the assignment or the quiz or present the presentation.

All these queries and difficulties are asked to be submitted in writing and a proper record is maintained to ensure transparency

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. 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.

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

Online delivery of curriculum had several limitations and had its own challenges to achieve PO's & CO's envisaged in the syllabus. Vigilance Committee was constituted to monitor the conduct of online teaching and to ensure attainment of PO's & CO's. The online teaching record was submitted at the end of every month to the Director, who along 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

274

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)	
Nil	
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)	
0	
File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
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	
27	
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	
4	

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	No File Uploaded
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 undergo professional development programs and organize and participate in Conferences, Seminars and Workshops. Institute conducted online meeting of the faculty for the orientation. E-content was developed by the faculty to help and support the students. Videos on specialized training like R-programming were created.

Currently in the year 2020-21 more than 50 students are pursuing their Ph.D. and 59 research papers were published in various journals, some of them being very high impact factor. Institution has high H-index and many faculties also have H-index more than 20, suggesting the impact of the research activities that are being undertaken.

The Institution provides a conducive environment and required facilities to the students. Through M.Sc. Dissertations and Ph.D. programs, students are encouraged to get actively involved in the research areas that will have application of Technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. Research student meets, workshops, seminars, scientific and popular guest lectures on various topics are organized. The Institute also has MOUs signed with distinguished organizations 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

17

File Description	Documents
URL to the research page on HEI website	Nil
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

59

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

4

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

Due to Covid pandemic no extension activities were possible

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	No File Uploaded
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**

4

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
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**

4

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
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.

Century old Grade I UNESCO building of The Institute has well-developed infrastructure spread over an areas of 14895.4 sq meters with built up Carpet area of 8850.29 Sq.M. The building houses 19 Class rooms with Wi-Fi/LAN, 38 Laboratories, 09 Classrooms with LCD facilities and a Seminar halls cum auditorium with capacity to accomodate 200 students which is well equipped with ICT

facilities. Classes are scheduled for optimal utilization of the available physical infrastructure. Sophisticated equipment are available in the laboratories.

The Institute has a Central Library facility with reference section, journal section, reading hall and is equipped with recent journals and books. The library is one of the oldest in the city and has a collection of 29108 books. Institute has an active subscription of Nlist and subscribed journals like Nature- Science and Current Science.

The Institute also has supporting facilities like hostels for girls and boys, canteens, medicinal garden and gymkhana. Campus has basic facilities of water coolers with water purifiers and separate toilet blocks on every floor.

The Institute is continuously working on making infrastructure and maintenance to provide a good teaching-learning environment.

File Description	Documents
Upload any additional information	No File Uploaded
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.

There are Sports Facilities (Volley Ball Court, Indoor sports, Gymkhana) in the Campus. The dedicated Gymkhana of Institute of Science is located in the main campus on the ground floor and has space for instruments required in the Gymkhana. There is a facility table tennis boards and other indoor games like carom. Students' union sport secretary and his/her advisor takes the responsibilities of the maintenances of the sport facilities.

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

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

09

File Description	Documents
Upload any additional information	No File Uploaded
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)

322.91

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
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)

NIL

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-

C. Any 2 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)**

0.59

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**

0

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 office of the Director decides about purchasing necessary IT equipment as per recommendations received from the departments of the colleges and the administrative office of the college. IT

facilities are maintained by computer skilled personnel of the college and they also take the responsibilities of periodic up-gradations of the IT resources. The IT facilities are taken stock of by the administrations and they are modified or changed whenever necessary. There is separate skilled staff who looks after the maintenance of the computers and facilities.

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	View File

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)

147.8

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
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.

Maintenance of library:

For maintenances of library infra-structure and facilities the library every year as per the requirements and recommendations received from the respective departments the purchased committee and administration purchase the books following standard procedure. For enriching of the library, the committee procures some good publications from national and international publishers.

Maintenance of the laboratory:

The laboratory equipment, specimens, and other necessary chemicals are purchased by the office of the Institute and purchase committee as per the requirements of the respective departments. There is enough fund for the maintenance and repairing of the instruments.

Maintenance of the sport facilities:

There are Sports Facilities (Volley Ball Court, Indoor sports, Gymkhana) in the Campus. The dedicated Gymkahana of Institute of Science is located in the main campus on the ground floor and has space for instruments required in the Gymkhana. There is a facility table tennis boards and other indoor games like carom. Students' union sport secretary and his/her advisor takes the responsibilities of the maintenances of the sport facilities. The necessary goods and sports articles are purchased by the office as per the recommendations of the sport secretary and the advisor of the Student Union of the college.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

178

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 benefited 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

0

File Description	Documents
Upload any additional information	No File Uploaded
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	E. none of the above								
<table border="1"> <thead> <tr> <th data-bbox="86 439 550 506">File Description</th> <th data-bbox="550 439 1476 506">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 506 550 613">Link to Institutional website</td> <td data-bbox="550 506 1476 613" style="text-align: center;">Nil</td> </tr> <tr> <td data-bbox="86 613 550 680">Any additional information</td> <td data-bbox="550 613 1476 680" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 680 550 824">Details of capability building and skills enhancement initiatives (Data Template)</td> <td data-bbox="550 680 1476 824" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Link to Institutional website	Nil	Any additional information	No File Uploaded	Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded	
File Description	Documents								
Link to Institutional website	Nil								
Any additional information	No File Uploaded								
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded								
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year									
71									
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year									
71									
<table border="1"> <thead> <tr> <th data-bbox="86 1200 550 1267">File Description</th> <th data-bbox="550 1200 1476 1267">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1267 550 1335">Any additional information</td> <td data-bbox="550 1267 1476 1335" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1335 550 1559">Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)</td> <td data-bbox="550 1335 1476 1559" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	No File Uploaded	Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File			
File Description	Documents								
Any additional information	No File Uploaded								
Number of students benefitted 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	B. Any 3 of the above								

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

23

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

1

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

9

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)	No File Uploaded

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)

Students are represented in various committees like Philosophical Committee: Gymkhana Committee Campus Maintenance & Cleanliness Annual Report & Magazine Research Scholars Meet IQAC NSS PTA Student

Council Committee Internal Complaint Committee

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

During the pandemic students assisted in organising online activities and ensured smooth functioning of 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)	No File Uploaded

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

2020 was a year of pandemic yet the association conducted following online activities

One Day National Webinar on HPTLC: Method Development on 20th May 2020 was conducted in collaboration with ANCHROM . The webinar was conducted by Dr Saikat Malik, ANCHROM and was well attended by 479

participants via ZOOM platform.

One Day National Webinar on HPTLC: Method Validation on 21st May 2020 was conducted in collaboration with ANCHROM. Dr. Vishwajit Kale from ANCHROM conducted the webinar which was attended by 318 participants on ZOOM platform.

"Intellectual Property (IP) - 101" was conducted by Alumnus Dr. Vaishali Palwankar, IP Counsel India, Clariant India Limited, Mumbai on 6th March, 2021, 12 noon on the Google Meet (<https://forms.gle/bQtSMRaW949Ckji99>).

"Off-grid Solar System Design": was conducted by Alumnus Dr. Sudesh Bhagwat, Solar PV Specialist on Asia Development Bank funded Project on "Off-grid Solar System Design" on 13th March, 2021, 4 pm on the Google Meet (<https://meet.google.com/ezb-ynye-fqw>)

"Improving Quality in Higher Education through Examination Reforms": was conducted by Prof. N.V. Thakkar, Ex-Prof. & Head, Department of Chemistry, The Institute of Science, Mumbai, on 10th April 2021 at 3 pm on Google Meet (<https://meet.google.com/vkr-hrrc-ka0>).

File Description	Documents
Paste link for additional information	https://iscm.ac.in/pdf/ISAA%20Report%202020-21.pdf
Upload any additional information	No File Uploaded

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

E. <1 Lakhs

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 Governance of the institute is at par with the Vision and Mission of the institute. This is reflected in the various activities both academic and non academic pursued by the students to

meet the recent Global standards. Each department conducts webinars, conferences, seminars in order to give an insight to the students in the recent trends in each respective subjects.

Each department of the institute has professors, research guides to initiate the research culture in the students. Most of the research scholars avail various scholarships provided through CSIR, UGC, DBT, BARTI, SARTHI Maha jyoti, etc., which helps them to perform excellently to pursue outstanding research. Their work is reflected in the paper Publications of each student. The research students perform their projects in collaboration with elite institutes like the TIFR, BARC, ICT, etc. Apart from this the curriculum of the institute provides and expose students for becoming self reliant strong and skill based through the elective modules generated by each department. The institute also fosters regional, national and global competencies among the students by creating awareness through various national and regional programs pertaining to nationalism and globalisation.

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

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

The director of the institute delegates powers to the heads of the department to channelize the academic work thus ensuring the smooth management of the institute. The formation of various statutory and non statutory committee formed by the director helps in conducting activities to empower the students both in academic and non academic subjects.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institute is affiliated to Dr Homi Bhabha State University since February 2019. The institute through its BoS committees of all subjects have restructure its syllabi and has adopted the Choice Based Credit System. This has given maximum exposure to the students on recent trends and its application in each subject. The quality of teaching and learning is continuously monitored and evaluated by Vigilance committee which strictly follow the academic calendar.

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.

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, heads of various departments and the faculty members 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.

Academic Council, Faculties, Board of Examination and Board of Studies are basic pillars of academic leadership. Decentralization is achieved by forming various committees wherein there is an inclusive representation of students, teachers, industries, administrators, academia and other stake holders to showcase their expertise and to contribute for qualitative outcome of the system.

The Institute has evolved effective knowledge management strategy for effective and qualitative functioning of the academic and administrative system by using vast and diversified experience of eminent educationists, scientists, for the design of newer curricula.

Mental change for Meaningful Life is achieved by organizing awareness/empowerment programs like departmental fests, Street

Shows, Teaching, Training, sports, cultural activities ,research meet etc. But due to covid lockdown very few activities were conducted.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	No File Uploaded

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

A. All 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, GroupInsurance.

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

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)	No File Uploaded

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**

NIL

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)	No File Uploaded

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**

4

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	No File Uploaded
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

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.

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)	No File Uploaded

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

The Institute of science has Accounts officer to ensure maintenance of books of accounts of the Institute and audit thereof. The Institute has a mechanism for conducting regularly the internal and external audit of its books of accounts. Internal Audit is conducted by internal audit department manned by the Chief Account's officer and staff of the Directorate, higher education department. The Budget, capital and revenue expenditure, stores, assets, liabilities and government payments related files of all sections of the institute route through this department.

External Financial Audit: The accounts of the institute are audited

once in 5 year, within four months of the end of the financial year by auditors appointed by the Accounts General. The Institute makes the compliance as per the remarks and discrepancies within a month of receipt of the audit report. The audited accounts with a copy of the audit report is submitted to the Directorate.

Apart from this the Institute receives funds for research through various funding bodies such as UGC, DBT, and WOS etc.

The golden jubilee trust of the Institute also gives funding to students and faculties for pursuing participation in international and national conferences, paper publications etc.

Various government scholarships are also provided to students for pursuing their studies.

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

Taking into consideration the pandemic situation, the teaching pattern was accordingly modified. Special Sessions were conducted for effective implementation of online curriculum delivery by Dr. Selby Jose from Mathematics Department. Student projects, collaborative work and presentations were also used as teaching modes in addition to the lecture mode. Student centric practices were adopted in the classroom. Interactive sessions with students were conducted and special attention was given to students with specific needs.

Continuous assessment and analysis of performance was also ensured. Multiple opportunities for improvement of performance was given to the students especially those who missed their examinations on account of technical reasons.. Evaluation reforms Online session was organised on "Improving Quality in Higher Education through Examination Reforms" by Prof. N.V. Thakkar on Saturday, 10th April 2021.

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 record of online teaching of every faculty member was submitted by Head of the Department to The Director at the end of every month. This ensured periodic evaluation of online teaching and helped in deciding examination schedule.

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)

D. Any 1 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	No File Uploaded
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

Two guiding principles are at the core of gender equity: fairness and impartiality. Institute of Science also has helped shape and changed the role of students, men, women at work. thus it exhibits equity leads to Equality.

Institution shows gender sensitivity in providing facilities such as

a) Safety and Security b) Counselling c) Common Room and other infrastructure

a. Safety and security

1. CCTVs, connected to the Director's Office, are installed at strategic positions in the 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 University fests, lady staff accompanies students.

b. Counselling

1. The Institute also has a Mentoring System During the lockdown, mentoring sessions were conducted using online platforms like Microsoft Teams, Webex and Zoom.

c. Common Room and other infrastructure

1. The Institution has a Common Room for girls at the campus.

2. Separate washrooms are available for lady staff and students.

3. There is a sanitary pad vending machine and Incinerators.

4. The Gymkhana is Available for girls and boys.

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	Nil

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

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
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

NIL

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	No File Uploaded

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
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

D. Any 1of the above

File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
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

<p>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</p>	<p>D. Any 1 of the above</p>
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File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
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).

During the phase of pandemic the student counselling was not formed that's why these activities were not conducted by Institution

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	No File Uploaded

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

During the phase of pandemic the student counselling was not formed that's why these activities were not conducted by Institution

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

C. Any 2 of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
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

During the phase of pandemic the student counselling was not formed that's why these activities were not conducted by Institution

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	No File Uploaded
Any other relevant information	No File Uploaded

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:Improving Quality in Higher Education through Examination Reforms.

ObjectivesTo improve the overall quality in Higher Education through Examination Reforms.

Context:Educational reforms if implemented in true spirit would lead to good academic standard.

Practice:A series of lectures were conducted leading to introspection of self as a teacher.

Evidence of Success:Greater freedom was given to departments to implement various patterns of Internal evaluation. Periodic review of exam pattern was taken.

Problems Encountered Reforms likeThe open-book exams, computerization and optical scanning techniques.

Title:Wellness program.

Objectives:Staff and students should be aware of their health, which encompasses both their physical and emotional wellbeing.

- To boost immunity level in staff and students.

- To cultivate in staff & students a pleasant outlook and pure thinking.
- To improve students levels of concentration.
- To boost students energy, focus, and concentration in order to improve academic performance

Context: Focus on encouraging faculty members and students to have a positive attitude towards health consciousness.

Practice:Yoga training programme was organised by the Institute. Yoga Asana, Pranayama, and Meditation exercises were taught practically.

Evidence of Success: Participants understood the links between the body, the breath, the mind, and the emotions in the context of sustaining resilience and well-being.

Problems Encountered:Physical yoga activities could not be conducted because of the pandemic situation.

File Description	Documents
Best practices in the Institutional website	Nil
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

Research is the forte of the Institute. Faculty in every department is involved in research. Research projects are the part of the PG curriculum. Inculcating research culture through conduction of Research Scholars Meet (RSM) which is the identity of the Institute is a regular practice.

The Institute is committed to excel in teaching and innovative research. It strives to achieve the personal and intellectual growth of its students. Academic-Industry collaborations are encouraged with a view to develop the reseach culture. National and International collaborations with lead Institutes are sought after. The reserach culture encourages openness and researchers are motivated to share and publish their work.

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

The Institute would continue working and sustaining the research and learning activities in the face of the ongoing pandemic. Considering the importance of herbal drugs during the pandemic, The Institute would take efforts to develop a medicinal plants garden. Physical and mental wellbeing of the students and staff would be on the priority list and efforts would be taken to carry out Yoga sessions and workshops. Special efforts would be taken for students to explore various opportunities for higher studies abroad. Efforts would be taken to inculcate among students a sense of social responsibility and nurture the scientific temper.

IQAC will encourage departments to work towards establishing more linkages with industry and academic bodies. It will encourage faculties to participate in online refresher courses and workshops for enhancing their skills. Beautification of campus is another agenda planned next year. Departments will be encouraged to conduct seminars and workshops. Faculty members will be encouraged to apply as Research Supervisors in the concerned subject. Renovation of laboratory facilities in various Departments will also be looked into.