



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1. Name of the Institution

INSTITUTE OF CHEMICAL TECHNOLOGY

- Name of the Head of the institution Prof. A.B. Pandit
- Designation Vice Chancellor
- Does the institution function from its own campus? Yes
- Phone no./Alternate phone no. 2233611001
- Mobile no 9820408037
- Registered e-mail vc@ictmumbai.edu.in
- Alternate e-mail address dean.iqa@ictmumbai.edu.in
- City/Town ICT, Nathalal Parekh Marg, Matunga, Mumbai
- State/UT Maharashtra
- Pin Code 400019

2. Institutional status

- University Deemed
- Type of Institution Co-education
- Location Urban

- Name of the IQAC Co-ordinator/Director **Prof. P.R. Vavia (Dean-IQA)**
- Phone no./Alternate phone no **2233611019**
- Mobile **9867841777**
- IQAC e-mail address **dean.iqa@ictmumbai.edu.in**
- Alternate Email address **iqa.office@staff.ictmumbai.edu.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

https://www.ictmumbai.edu.in/uploaded_files/ICTMumbai_AQAR_report_2019-20.pdf

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

https://www.ictmumbai.edu.in/uploaded_files/RevisedAcademic_Calendar_2020-21_Jan132021.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A++	3.77	2017	24/11/2017	26/11/2022

6. Date of Establishment of IQAC

02/01/2017

7. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Institute of Chemical Technology	Category-1	University Grants Commission	2018	0
Department of Physics, Institute of Chemical Technology	DST-FIST	DST	2018	1100000
Dept of Pharmaceutical Science and Technology	UGC-CAS	UGC	2018	500000
Dept of Food Engineering and Technology	UGC-CAS	UGC	2018	600000
Institute	TEQIP III	NPIU	2018	70000000
Institute	TEQIP COEPI	NPIU	2018	30000000
Dept of Chemical Engineering	UGC-CAS	UGC	2018	16600000
Department of Oils, Oleochemicals And Surfactants Technology	DST-FIST	DST	2018	8400000
Department Of Speciality Chemicals Technology	DST-FIST	DST	2018	20800000

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

- The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) **Yes**
- (Please upload, minutes of meetings and action taken report) [View File](#)

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? No

- If yes, mention the amount

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

1. Submitted an application to ATAL innovation rankings and received Rank 1 in public funded university category. 2. Submitted applications to NIRF ranking framework collating all available information from the institute and its campuses and systematized the data collection process. As a result rankings were improved. 3. Application to international ranking frameworks such as QS ranking and times higher education ranking. 4. Revised the feedback forms from staff, students, faculty. 5. Organogram of the institute was prepared and approved.

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
Formation of institute academic integrity panel	Some departments have constituted an academic integrity panel and audited their overall academic status
Conducting exam audit for respective department	Some departments conducted their exam audits and also sought feedback from stakeholders
Academic audit for improvement in quality of syllabus and its implementation	Some departments conducted this audit to improve the teaching-learning process through feedback
Minimize delay in declaration of results	The exam audit committee minimized delays by continuous monitoring of time period between marks submitted and result declaration.
Conduct extensive feedback surveys	extensive feedback was collected from students involving various parameter related to the teaching-learning process

13. Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
IQAC Core Committee	29/12/2021

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning? **No**

15. Whether institutional data submitted to AISHE

Part A

Data of the Institution

1.Name of the Institution	INSTITUTE OF CHEMICAL TECHNOLOGY
• Name of the Head of the institution	Prof. A.B. Pandit
• Designation	Vice Chancellor
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	2233611001
• Mobile no	9820408037
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• State/UT	Maharashtra
• Pin Code	400019
2.Institutional status	
• University	Deemed
• Type of Institution	Co-education
• Location	Urban
• Name of the IQAC Co-ordinator/Director	Prof. P.R. Vavia (Dean-IQA)
• Phone no./Alternate phone no	2233611019
• Mobile	9867841777
• IQAC e-mail address	dean.iqa@ictmumbai.edu.in

• Alternate Email address	iga.office@staff.ictmumbai.edu.in				
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• if yes, whether it is uploaded in the Institutional website Web link:	https://www.ictmumbai.edu.in/uploaded_files/RevisedAcademic_Calendar_2020-21_Jan132021.pdf				
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Name	Date of meeting(s)
IQAC Core Committee	29/12/2021
14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	No
15. Whether institutional data submitted to AISHE	
Year	Date of Submission
2021	28/02/2022

16.Multidisciplinary / interdisciplinary	
17.Academic bank of credits (ABC):	
18.Skill development:	
19.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):	
21.Distance education/online education:	
Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	32
1.2 Number of departments offering academic programmes	13
2.Student	
2.1 Number of students during the year	2098
2.2 Number of outgoing / final year students during the year:	897
2.3 Number of students appeared in the University examination during the year	2098

2.4	0
Number of revaluation applications during the year	
3.Academic	
3.1	794
Number of courses in all Programmes during the year	
3.2	104
Number of full time teachers during the year	
3.3	107
Number of sanctioned posts during the year	
4.Institution	
4.1	2237
Number of eligible applications received for admissions to all the Programmes during the year	
4.2	1688
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
4.3	31
Total number of classrooms and seminar halls	
4.4	1000
Total number of computers in the campus for academic purpose	
4.5	608235736
Total expenditure excluding salary during the year (INR in lakhs)	
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific	

Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The curriculum of the M. Tech. in Food Biotechnology program is designed with relevant POs, PSOs and COs to train the students to work effectively in their professional environment. The curricula covers the entire spectrum of technologies from traditional/ conventional methods to modern and futuristic methods applicable to local, national and global developmental needs. The curriculum of the M.Tech. Pharmaceutical Biotechnology course was revised in the year 2020, to synchronize it with mandatory DBT curriculum for the M.Tech. Pharmaceutical Biotechnology course. M.Sc. in Engineering Mathematics is designed to create professionals who are equipped with practical knowledge of Mathematics, Statistics and Computer Programming. Subjects related to Applied Mathematics, Statistics and Machine Learning will train the students on the use of modern computational tools to solve real life problems which are relevant to industry and society across the globe. The Curricula of M.E (Plastic Engineering) Program do have courses such as Plastic waste management and recycling of plastics which is a global need . This is also satisfying Program outcome " The graduates should practice their profession considering environmental protection and sustainability.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year**1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year**

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

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

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	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 M. Tech. (Food Biotechnology) curriculum sensitizes the students towards environmental issues and sustainability options. It also exposes the students to good professional ethics, gender equality and desirable human values. The curriculum of the M.Tech. Pharmaceutical Biotechnology course was revised in the year 2020, to synchronize it with mandatory DBT curriculum for the M.Tech. Pharmaceutical Biotechnology courses. The revised syllabus has mandatory courses like HUT 1106: Environmental Science and Technology. Gender-related courses are an important part of many programmes. From a cross-cultural viewpoint, students are sensitised and encouraged to strive toward gender parity. Cultural Education (to maintain one's moorings by taking pride in one's national ethos). Methodology in Science, General Knowledge, and

Current Events: (to cultivate a scientific mindset and be informed of current events). The curriculum helps to apply ethical principles and commit to professional ethics and responsibilities and norms of the practice of mathematics, statistics, and data sciences in all verticals of industry and society. It also helps the students to apply reasoning informed by the existing knowledge pool to convert into a quantitative framework, collect relevant information and address various societal issues related to natural sciences using modelling and statistical data analytics tools.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

640

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

299

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- Any 1 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

835

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

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

302

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.2 - Catering to Student Diversity

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

Learning levels of the students of are assessed through various assessment methods. Remedial teaching is provided for slow learners. Advanced learners are encouraged to participate in competitive programs and activities. The departments take effort to identify students whose learning pace is slow and take extra theory and tutorial sessions to ensure their learning. Advanced learners are given extra projects and reading courses. The departments organize lectures and seminars by well established academicians and industry personals. Remedial classes are held to help slow learners, absentees, and students who participate in sports and other extracurricular activities improve their academic performance. Advanced students are offered opportunity to participate in the department's creative projects and other technological activities. Industry visits to make students aware of practices and protocols of industries. Conferences in cutting edge fields are regularly organised to enhance industrial and academic interactions and to impart necessary knowhow to the students. Additionally the institute conducts programs on soft skill training for the students on regular basis.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://ictmediasite.ictmumbai.edu.in/mediasite/manage

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
2098	152

File Description	Documents
Upload relevant supporting document	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

The following are organised for the students: mandatory industry internships for up to 12weeks to impart understanding of the industry working, standards, regulations and documentation. In Sem III and IV students engage in hands-on experience on taking an idea or concept to proof of concept prototype. This could then be taken for further translation where potential is evident. Students are expected to present seminar reports as the first step in independent learning, collation, compilation and presentation skills very critical for entrepreneurship. Students are encouraged to take online courses on entrepreneurship through the SWAYAM portal and provided IPR training. Innovation Council and E-Cell activities introduce students to entrepreneurship as a career. Further, learning experiences are enhanced through group discussions, In-plant training and problem solving activities. The departments encourage students to identify, formulate, review research literature, and analyze complex real-life problems using the knowledge gained. Students perform effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. Faculty members encourage student engagement in group discussions, topic quizzes, news analysis, and questions and answers on current technology, among other activities. In classes, the experimental/laboratory technique is utilised to familiarise learners with facts through direct experience.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

Teachers conduct courses using ICT enabled learning tools like power-point presentations, video clippings, use audio-visual aids, electronic presentations, simulations, virtual labs, and prescribe electronic books, journals for effective and extended teaching and learning processes. Teachers effectively utilize technology and

digital platforms for exploration and visualization of Mathematical and Statistical concepts. Computer Algebra Systems and Coding are used effectively for solving real life problems. The classrooms are equipped with Wi-Fi internet connections to enable teachers to use internet based tools as and when required. Learning materials, quizzes, lab submissions and evaluations, assignments, and other course-related information are managed and posted using Google Classroom. Smooth conduction of online learning and exams during Covid 19 pandemic as further strengthened the use of these tools. Students' input is collected through online quizzes and polls on a regular basis. Teachers are supplied with smart tablets to use as e-boards in the lecture. Google classroom, Zoom, Microsoft meet, and other online platforms are used to conduct meetings and lectures. Flipped classroom and blended learning techniques are also used by some lecturers who engage smaller classes.

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

36

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.4 - Teacher Profile and Quality

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

147

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

146

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

51

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

51

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

0

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Over the last couple of years, due to the COVID pandemic, examinations have been conducted online based on the use of Google classroom, zoom meetings, skype and institute email systems. Each student is given dedicated email ID on gmail platform using the dedicated domain ID for students, which is also used in Management Information systems as well as for communication with faculty. The internal assessments were conducted by faculty with different formats as online quizzes, MCQ using google forms as well as project presentation based on using the subscribed format of Teams/Zoom/Google meet. The same meeting techniques were also used effectively for the lectures with most recorded lectures also being available on the google classroom. The end semester examinations have been based on using the email system where the question papers were sent as email with students expected to send the scanned version of answer books back to the same email address. The evaluation was also performed online with all the marks being entered in the institute MIS system in online mode. The IT integration into the examination system allowed smooth conduct of the evaluation of the students even in the pandemic period.

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The program educational objectives, program outcomes and course outcomes of are considered in student assessment process. The students and other important stakeholders are made aware of these objectives and outcomes through the website, handbook, program/admission brochures, notice boards placed in various locations such as laboratories and classrooms. The programme outcomes also have been made available in the Department website and in social networks like LinkedIn. The graduation qualities were prepared by the member institution according to the standards of their respective councils. Students' learning is aided by the University's exceptional self-learning mode, supported learning, and hands-on experience. To increase student learning activities, modern computing, internet, and Wi-Fi facilities are implemented, as well as e-learning facilities. At the end of every course based on the assessment in class test, mid-sem and end-sem exam CO attainment is calculated and improvements are done where CO attainment is less.

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The attainment of the POs, PSOs and PEOs are examined through meetings of committees like Board of Studies, Research & Recognition Committee, Course Advisory committee, all of which comprise of senior faculty from institute, academicians from other institutes of national importance, industry experts. Each committee meets atleast once in every six months. The attainment is also looked at using direct and indirect approaches using course outcomes from relevant courses. Direct approaches involve direct assessments or observations of a student's knowledge or abilities

in relation to quantifiable course outcomes. The course results link the information and abilities to particular issues on the University Examination, internal exams, and home assignments. The university conducts examinations at the conclusion of each semester, and the course outcomes are measured based on the results released by the institution. Exit surveys of the graduating students, and feedback at the end of each semester at the Institutional level is also considered. Activities like collection of feedback on the programme from outside agencies and stakeholders, monitoring and reviewing existing programme structure, course syllabi, reviewing the teaching standards and evaluation standard of the programme, recommending time to time syllabus upgradation, etc are carried out in tandem towards improvement of attainment.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

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

455

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

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 web link)

https://www.ictmumbai.edu.in/uploaded_files/SSS_2020-21.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Research culture is woven into the ambience at ICT. Research is an integral component of education at ICT, and ICT has well defined policies for promotion of research. All masters and PhD students

involved in research activity avail a fellowship. Research is also promoted at the undergraduate level with support to students. Faculty at ICT are very active in research and are encouraged to apply for grants from government agencies and industry. ICT has signed MOUs with national and International institutes and Universities to promote collaborative research. Research facilities are continuously upgraded through grants obtained through extensive competition by the institute and by the institute. Support from Industry under CSR is also a major source of funding. Outreach research activity is also an important component, wherein internship opportunity is provided to undergraduate students from other institutes.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

1.45

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

24

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

101

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre Art Gallery

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

8

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

749.68490

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

659.63073

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

1

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

ICT has a legacy of over 500 first generation entrepreneurs. This substantiates the spirit of innovation at ICT. ICT is endeavouring to recreate this history through creation of an all encompassing innovation eco-system. The ICT Innovation council serves as a platform to catalyse students into coming up with their own ideas, design thinking and exposure to entrepreneurs and incubation centres. Idea contests, Proof-of -Concept displays and other innovative strategies are adopted to seed the entrepreneurial mindset in students. ICT has an Incubation centre (ICT-NICE) which is a registered society and caters to incubation of ideas developed by students and faculty, while also providing seed funding and overall mentoring. ICT's Innovation and Start-up policy provides opportunity for students and faculty to cultivate their entrepreneurial ideas and bloom as entrepreneurs. A technology transfer cell and a Tinkering laboratory are plans in the pipeline.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual

Property Rights (IPR), Entrepreneurship and Skill Development during the year	
25	
3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year	
25	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded
3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year	
3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year	
21	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded
3.4 - Research Publications and Awards	
3.4.1 - The institution ensures implementation of its stated Code of Ethics for research	
3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following	C. Any 2 of the above
<ol style="list-style-type: none"> 1. Inclusion of research ethics in the research methodology course work 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc) 3. Plagiarism check 4. Research Advisory Committee 	

File Description	Documents
Upload relevant supporting document	View File
3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website	D. Any 1 of the above
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded
3.4.3 - Number of Patents published/awarded during the year	
3.4.3.1 - Total number of Patents published/awarded year wise during the year	
102	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded
3.4.4 - Number of Ph.D's awarded per teacher during the year	
3.4.4.1 - How many Ph.D's are awarded during the year	
197	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded
3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year	
3	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

D. Any 2 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
6.3	6.3

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
25	25

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

ICT has an Ordinance that details the consultancy rules and regulations. Faculty are encouraged to take up consultancy assignments in keeping with these rules. The total number of consultancies permitted is defined. Revenue sharing is in the ratio ICT: Faculty member = 1:2. Large numbers of faculty are consultants to the industry. Under this provision only advice is provided and no institute facility is used.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

438

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Various activities and initiatives focussed on social and environmental issues were carried out by students. The details of the initiatives are as below:

- Yatn 2021

Yatn is Vortex ICT's social initiative. Aimed at making a positive change to the society; it has been associated with big national as well as international organizations and NGOs such as United Nations, Green Yatra and more recently Greenpeace International. Under Yatn, students have undertaken projects like Tree plantation drive, Energy saving awareness campaign and more.

Students planned to carry forward this noble cause and launch the initiative of "Plant a sapling in the memory of" to inspire people of every age group on the occasion of our 73rd Republic Day to plant at least one tree in the memory of a recently demised person in order to pay tribute to their life.

- Awaaz 2021

Students conducted personal clean-up drives and encouraged fellow students and people to clean up their surroundings and motivated others to do the same. The ICT's flagship social initiative Awaaz was conducted under the Manzar activity.

- ICT Marathon 2021

ICT Marathon is flagship event of ICT's sports fest Sportsaga. Virtual Marathon was conducted in collaboration with a NGO Raah Foundation continuing the tradition of running for a socially relevant cause. Runners from all over the India ran ICT Marathon showcasing the slogan "Save water save life".

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

17

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

136

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

130

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

There are 46 class rooms available and all are well equipped with modern learning teaching equipment. Each class room has a lecture recording facilities. All laboratories are well equipped with the safety equipment like fire, smoke alarm, eye washer etc. The laboratories are well equipped with modern and advance equipments to carry out the impactful research and analytical work. 75Mbps Bharti, 100Mbps Tata, 1Gbps NKN - NICLines are distributed throughout the ICT Campus (Faculty, Support Staff and all Students). LAN users in the all buildings 1000+ and 2 LAN points in each room of Hostel-5. Wireless Network at Hostel No. 1 to 4 (availability 24 x 7) and at some part of the main building area. IPC Dept : UG Lab - 100 Computers, (All-in-One, i7, 16Gb RAM, 1TB HDD), 35 Computers (All-in-One, i3, 2Gb RAM, 500 GB HDD) in internet access room for all students. All are connected to Network having Internet facility. Servers : Lenovo Servers 3No's (virtualization of servers with Hyper-V. Libsys, TallyERP, Ridgeline, ESSL, Solidworks) and DHCP, DNS connected to EMC SAN Box, NFS server.

File Description	Documents
Upload relevant supporting document	View File

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

The institution is known for its rich sports culture and is home for various sports events and activities. ICT has sports amenities

design spaces for indoor and outdoor games, so as to enhance growth & health of students. ICT have dedicated sports amenities for each sport and physical activities, to enhance growth and health of students. Total playground area in ICT is 8,273.88 m. The institution is well equipped with indoor sports facilities like badminton court, table tennis court, billiards court, carom, dance room as well as gymnasium with all the modern training machines. Outdoor facilities like cricket ground, football ground, volleyball court, tennis courts, basketball courts, box cricket and a Futsal court too. All these facilities and amenities help in overall development of the students. Besides, the Institution has a well furnished auditorium with seating capacity of about 170 people where various cultural activities and programs are organized and conducted.

<https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caaoi&ItemID=gagac>

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

The ICT campus always has a vibrant ambience, where equal importance is given to academics and extra-curricular aspects of student life. Total playground area in ICT is 8,273.88 m. ICT has four hostel blocks on the campus including 2 boys' and 2 girls' hostels. The total number of hostel accommodation seats available for the students at the ICT is nearly 900 (for all courses and years) including 300 lady students. Hostel demands healthy environment of commitment and discipline among the students. Students are encouraged to develop community life, taking care of their physiological and emotional problems and shape themselves to be better citizens and leaders of tomorrow. Hostel students have been managing their messes since 1951, with an excellent tradition and help student committee members to develop managerial skills. Guest Rooms are available for parents who wish to meet their Wards studying at ICT on payment basis. Hostels are equipped with Mess, T.V. Room, Reading Room, Playground, Health Centre, Gymkhana, Library and Study Room Facilities. Professional Day Care service for children is available in the campus. Quarters for teaching and non-teaching staff are available with in the campus.

<https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caaoi&ItemID=gagac>

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

1218.59647

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

The central library of the Institute has Integrated Library Management System (ILMS) which takes care of all the activities of the library. The library has fully computerized ILMS solution for more than two decades now. Library started with LIBSYS software as an ILMS solution way back in the year 2000. The library is fully computerized with barcode facility. The library books are barcoded and so are the membership cards. Books are issued and returned with the help of bar code scanner at the circulation counter. Later in the year 2019 we shifted to a new open source software called KOHA. RFID facility was also implemented in the library in the year 2019. The books which are under circulation have RFID tags. Also each member's ID card has a RFID tag. Also a KIOSK is available for self-issue/return. The Library collection catalogue, WEBOPAC <http://ictlibrary.firstray.in/> is available for members to access from anywhere around the world. The members can check their issue/return status from the WEBOPAC. A flatbed scanner of A4 size is available in the library. Also the photocopy machine has a flatbed scanner. Major work of digitization is outsourced. Digitization work of reports, theses, ICT publications were outsourced.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-

A. Any 4 or all of the above

Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

468.60057

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

45

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

46

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Institute has appropriate budgetary provision for expansion and updating its IT facilities including wifi. The pandemic forced

online working mode, for which an extraordinary financial sum was allocated towards the upgradation of high speed internet in campus, purchasing smart tablets for instructions, licenses for online conference and meeting softwares, licenses for google suites, etc.

The institute allocates budget:

To conform to legalized use of software systems and applications.

To run and maintain state of the art studio room for lecture recording, video conferencing and holding/recording online functions, etc.

To provide fail safe and secure IT infrastructure that can provide a platform for all type of information, statics and dynamics VTU has the following state of the art IT infrastructure Hardware infrastructure: Computers(500+ no's), Servers(40 no's), Data Centre, Storage, Projectors, Printers, Networking infrastructure: LAN (1000 nodes), Wi-Fi network 16 access points, Active and passive components for networking, Core Switch, Firewall Security System, internet applications.

To run and maintain ICT facilities in all classrooms like projectors, speakers, microphones, lecture attendance biometric systems, high-end lecture recording system.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
2098	941

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

• 1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing	C. Any 2 of the above
---	------------------------------

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

598.85806

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

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 a robust purchase protocol that is adhered to when procuring necessary items and services required for maintaining facilities. For maintenance of laboratories, requirements are given by concerned faculty to the lab attendants; attendant complies and relays list to Head of the department who approves the expenditure; subsequently the purchase protocol is followed teaming up with the stores department and the requirements are procured. The library has a tested system for maintenance and utilization of physical resources and e-content. The library committee oversees the periodic maintenance of old books and weeding. Taking into account suggestions from Faculty members new learning resources are procured and the old ones renewed. E-content's usage subscribed by the library is checked and periodic renewal is done. Scrap, old unused items are assessed and discarded under the supervision of the committee of scrap and waste disposal. SOPs are present in each lab in the form of posters in each lab regarding protocols and safety. Classroom committee meets periodically and ensures cleanliness, maintenance of facilities like biometric attendance unit, lecture recording

system. The Information Processing Center (IPC) has dedicated staff and a faculty in-charge who oversee the maintenance, upgradation and IT facilities in the institute.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

57

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

B. Any 3 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

<p>5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation 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</p>	<ul style="list-style-type: none"> • All of the above 						
<table border="1"> <thead> <tr> <th data-bbox="76 595 539 674">File Description</th> <th data-bbox="539 595 1445 674">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 674 539 779">Upload relevant supporting document</td> <td data-bbox="539 674 1445 779" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Upload relevant supporting document	View File			
File Description	Documents						
Upload relevant supporting document	View File						
<p>5.2 - Student Progression</p>							
<p>5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)</p>							
<p>5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year</p>							
<p>33</p>							
<table border="1"> <thead> <tr> <th data-bbox="76 1240 539 1319">File Description</th> <th data-bbox="539 1240 1445 1319">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 1319 539 1375">Upload the data template</td> <td data-bbox="539 1319 1445 1375" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="76 1375 539 1480">Upload relevant supporting document</td> <td data-bbox="539 1375 1445 1480" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Upload the data template	View File	Upload relevant supporting document	No File Uploaded	
File Description	Documents						
Upload the data template	View File						
Upload relevant supporting document	No File Uploaded						
<p>5.2.2 - Total number of placement of outgoing students during the year</p>							
<p>343</p>							
<table border="1"> <thead> <tr> <th data-bbox="76 1637 539 1715">File Description</th> <th data-bbox="539 1637 1445 1715">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 1715 539 1771">Upload the data template</td> <td data-bbox="539 1715 1445 1771" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="76 1771 539 1877">Upload relevant supporting document</td> <td data-bbox="539 1771 1445 1877" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Upload the data template	View File	Upload relevant supporting document	No File Uploaded	
File Description	Documents						
Upload the data template	View File						
Upload relevant supporting document	No File Uploaded						
<p>5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year</p>							
<p>40</p>							

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

62

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Technological Association (TA) is the student council which functions efficiently to conduct, organise and manage various Cultural, social as well as Academics activities at the Institute. The activities conducted by TA help predominantly in enhancing the overall skill development of students, make them more confident, responsible and organised in their approach towards the event and the cause behind the event. The institution has good facilities for cultural activities. In 2013, the Technological Association (Student Council) of ICT decided that Exergy would be merged with the other technical festivals of the institute, YICC (Young Innovators Choice Competition) and YRC (Young Researchers Competition). This led to the creation of Vortex - The Chemfest. Other some of the cultural festivals are Rangotsav, Texpression, Rasayanam.

There are total of 8 clubs and 3 major events at ICT.

CLUBS: Sports club, TEDX ICT Mumbai, Ecell ICT Mumbai, Art club, Manthan, Music and dance club, Literary club, Bombay Technologists Association

EVENTS: Vortex, Sportsaga, Manzar

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

UDCT Alumni Association (UAA) provides a forum to bring together the alumni of ICT, current students and faculty members on a common platform. A major activity of the UAA is to promote infrastructure growth at ICT including development of laboratories and also to support student growth both academic and co-curricular. The flag ship programs of the UAA over the last year has been upgradation of undergraduate laboratories, providing interest free loans to needy students, financial support to various student activities and also the activities of the non-teaching staff. UAA also runs certificate course on practice of chemical technology with main objective of guiding and preparing the students for career after graduation. The Post Graduate Diploma Course in Chemical Technology Management (CTM) for the Ph.D. students in ICT is also supported by UAA. It also promotes the activities of the ICT in India and abroad as well as institutes awards and fellowships to alumni/well wishers. UAA currently has more than 6700 life members and 14 Patron members

File Description	Documents
Upload relevant supporting document	View File

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

D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Vision: We shall perennially strive to be a vibrant institute with continuously evolving curricula to brighten the future of the chemical, biological, materials and energy industries of the nation, and rank amongst the very best in the world through active participation and scholarship of our faculty, students and alumni. We shall be creators of sprouting knowledge and design cutting-edge technologies that will have the greatest impact on society and benefit mankind at large.

Mission: We shall generate and sustain an atmosphere conducive to germinating new knowledge at every available opportunity. The education we shall impart will enable our students to devise new solutions to meet the needs of all segments of society with regard to material and energy, while protecting the environment and conserving the natural resources. Our endeavours, while extending well beyond the confines of the classroom, will aim to enhance public welfare and our attempts to disseminate knowledge will spread to a greater multi- and cross-disciplinary platform to conduct research, discovery, technology development, service to industry and entrepreneurship, in consonance with India's aspirations to be a welfare state. Through our vision, we will serve the society and strive to reach the summit as a team

File Description	Documents
Upload relevant supporting document	View File

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

A dedicated team of deans, associate deans and committee coordinations takes up the responsibility of supervision and decision making with regards to various initiatives of the institute like its research and innovation, overall academics, quality initiatives, exams and assessments, humanresources,

infrastructure, etc. These officials head several committees composed of faculty and administrative staff of the institute that possess the authority to monitor, take decisions and employ corrective measures for regulating and improving the various initiatives. The various suggestions laid forward by these committees are assessed carefully and implemented in consultation with the vice-chancellor of the institute. Some of the committees include a student representative or a special invitee so as to include perspectives from the stakeholders in the decision making. To make the committees inclusive, their composition is carefully decided so that representations from all academic cadres are present in the brainstorming. The above channels of the institute's functioning assist in the decentralization of management. In addition to the main campus at Mumbai, the two new campuses of the institute in Aurangabad and Bhubhaneshwar are headed by their respective directors and associate directors, further strengthening the decentralization of the administration and management.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The main aspects that the institute is aiming to strategically achieve include:

1. Enhancement in teaching-learning process through effective utilization of ICT tools: Substantial funds have been directed towards upgrading classrooms with infrastructure required to achieve this. Faculty are being given opportunities and freedom to effectively deploy their learnings from the various FDP programmes that they are encouraged to attend.

2. Strengthen the man-power that drives the institute: The institute has taken up an active effort to increase the faculty:student ratio by active recruitment of high-quality manpower. Intake of qualified personnel for much-required buttressing of administrative support. Supporting and encouraging both teaching and non-teaching staff to develop motivation and goodwill for the organization. The institute lays great focus on improving the 'Happiness Index' of our staff, a non-tangible parameter that we believe is extremely crucial for achieving our vision.

3. **Bolstering research and innovation:** Maintaining the legacy of unparalleled achievements in the area of industry-institute collaboration, we lay strong emphasis on the importance of the translation of the academic work done in the institute into actual innovation that truly reaches the society. This is the mainstay of our strategic plan.

File Description	Documents
Upload relevant supporting document	View File

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 overall functioning of the institute is guided by rules, regulation and norms provided by the Government of Maharashtra and Department of Technical Education. The institute enjoys autonomy owing to the elite state conferred upon it by the state government, and this is utilized positively to enhance the quality and implementation of the many initiatives and responsibilities of the institute. For the efficient functioning of the institute:

1. 'statutes' of the institute have been published and is available to all for reference,
2. 'Regulation 9' policy document for Credit System and Mode of evaluation has been published and is abided by.
3. A purchase and procurement policy document with all the details regarding these processes has been published and is abided by.
4. Rules and policy for hostels and students have been framed by hostel wardens and are abided by.
5. Safety protocols are published and is regularly used for safety training
6. Appointment, service and promotion rules are as per the norms of Maharashtra state government as evident in the GRs released by the government from time to time.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

Service and promotion rules that deal with regular increments and career advancement of academic staff, and appointment rules of teaching and non-teaching staff as per the norms of Maharashtra state government that are evident in the GRs released by the government from time to time. The Career Advancement Scheme requires the eligible staff to submit their claim in the format prescribed by AICTE. An expert committee is setup by the institute authorities that includes academicians from prestigious institutes. The institute supports its staff by providing financial support for attending various professional/skilldevelopment and well-being and happiness programmes for the welfare of the staff. The institute also has health insurance and group insurance schemes provided to the teaching and non-teaching staff at nominal rates. The institute has signed MoUs with government hospitals in the vicinity for the benefit of treatment of staff.

File Description	Documents
Upload relevant supporting document	View File

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

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

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

25

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.3.4 - Total 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)

27

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Tuition fee is the major source of income for the institute. Government and non-government agencies sponsor projects and consultancy fees to the faculty members. Overhead charges from these projects and consultancies become added income for the institute. A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses. The purchase committee seeks quotations from vendors for the purchase of equipment. Quotations are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality, terms of service, etc. Before the financial year begins, Vice-Chancellor and Heads of Departments prepare the institute and department-wise budgets based on the student intake of that department and the previous financial year's expenditure. The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs. Statutory auditors are also appointed who certify the financial statements in every financial year. The grants received by the college as well as individual faculty are also audited by certified auditors. Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad, depending on availability of funds.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

571.73593

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

571.73593

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.4.4 - Institution conducts internal and external financial audits regularly

Internal financial audit is carried out by reputed chartered accountant firms and this audited financial statement is available publically on the insitutional webpage. Other than this, the Comptroller and Auditor general of India (CAG) Audits are also carried out as per norms of the state government.

File Description	Documents
Upload relevant supporting document	View File

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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

ICT-IQA takes regular inputs from all stake holders and analyses the results of these feedbacks for improvement in areas found

weak. The Institute IQA core committee regularly meets every six months to plan, organize and execute the necessary steps for preparation of detailed quality manuals, identification of key performance indicators and mapping the various processes across the entire functioning of the Institute. The efforts of IQA have led to the successful implementation of technology in the Institute's administrative functioning. Automation of admission, financial and examination processes, upgradation of Wifi and LAN facilities, have significantly contributed to an enhanced quality of teaching-learning experience.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

Various quality initiatives have been up taken during the last five years. New positions have been created for the appointment of registrar, controller of examinations, internal auditor, and administrative assistants. The project financial management system (PFMS) has been incorporated. Additionally, new faculties have been recruited to increase the faculty:student ratio. The institute is working towards forming the National Service Scheme. Also, it has participated in swachh bharat mission, skill India mission, and actively supports other government initiatives. 6 new

2-year Masters' programs have been flagged off at Jalna-Marathwada and Bhubhaneshwar campuses. Action on the observations given by NAAC during the Assessment in 2017 were taken up by IQA during the post accreditation period.

File Description	Documents
Upload relevant supporting document	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 strives to implement and realize gender equality and gender equity in its ethos. An active representation of all genders in administrative and managerial posts reflect the attitude of the institute with regards to inclusion of the usually under-represented in decision making and overall governance of the institute. Several positions of authority like heads of departments, deans, other administrative committee chairs, board of governor members, etc. have substantial representation from all genders. The institute specifically makes effort in inviting women speakers to give talks/lectures/seminars to students and staff. The institute makes efforts through its faculty to popularize the various fellowships and scholarships schemes for girls to pursue their education and research. The campus is secure with CCTV cameras and security personnel. A full-time female counsellor is available in the institute. Ample common rooms and wash-room facilities are present in the campus. The institute has child-day-care facilities in place, to encourage and make possible gender equity. Due to the pandemic situation, efforts in this direction were difficult to execute during this year. Just before the nationwide lockdown, the institute organized several programs and talks on Woman's day where both staff and students showed active involvement.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	see write-up
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	see write-up

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation 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
Upload relevant supporting document	View File

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

- **Solid waste management:** ICT collects all the segregated organic waste generated in the campus and by following the composting technique convert it into the manure which is used for soil preservation and gardening
- **Liquid waste management:** Directly transfer to municipality drainage system
- **Biomedical waste management:** Not applicable
- **E-waste management:** E-waste submitted to outside agency for recycling
- **Waste recycling system:** Not available
- **Hazardous chemicals and radioactive waste management:** Hazardous chemicals first converted into non hazardous in the lab and then disposed. ICT generally not used the

radioactive materials.

File Description	Documents
Upload relevant supporting document	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

D. Any 1 of the above

File Description	Documents
Upload relevant supporting document	View File

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 1 of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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**

B. Any 3 of the above

promotional activities	
File Description	Documents
Upload relevant supporting document	View File
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>B. Any 3 of the above</p>
File Description	Documents
Upload relevant supporting document	View File
<p>7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)</p>	
<p>The institute follows the norms of the state government for its admission intake procedure. This guarantees inclusivity in the incoming students. The institute cherishes inclusivity and this is evident in the absence of bias when it comes to selection of staff at various cadres (administrative and academic). There is a good representation of various religions/linguistic and cultural backgrounds in the campus with regards to the floating student population as well as the permanent staff. The staff of the institute is strongly encouraged to attend professional and personal development programs (self-organized and externally-organized) where they are sensitized about aspects of an inclusive workplace. Diversity is very evident even in the composition of the committees and various authorities of the institute. The institute has organized several talks/seminars (many of which have been organized by the student councils) which deal with these aspects in one way or the other. "Equal opportunity for all" is one of the mottos on which the institute is founded. An expression of this motto can be clearly seen if one looks at the diversity of backgrounds of the many entrepreneurs that this institute has</p>	

produced.

File Description	Documents
Upload relevant supporting document	View File

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

The curriculum of the undergraduate students includes courses on the topic of humanities. Great importance is given by the institute to these courses by employing highly experienced and engaging faculty for it. In addition, the undergraduate students go through a rigorous induction program that lasts for a week or two. During this period, interactions/talk/lectures are organized to cover these aspects. The staff is strongly encouraged to attend faculty/staff development programs, including funding the travel and stay for staff to attend such programs organized by various institutions throughout the country. This includes attending faculty orientation programs, human value workshops, personality development workshops, etc. The institute also regularly organizes talks/interactions/lectures on a variety of such non-academic subjects for its staff.

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 Annual awareness programmes on Code of Conduct are organized

None of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

The institute calendar specifies all the national and state

commemorative days, events, jayantis, punyatithis, festivals, etc. A public gathering is announced in the insitute premises and the particular day is recognized by having a commemorative function. Many other national and international days like world environment day, world health day, National Yoga day, etc, are celebrated by having online as well as offline events in the institute. Many a times a lecture or expert talks are organized on the occasion, events supporting social coueses are organized, and the day is celebrated in one or the other way.

File Description	Documents
Upload relevant supporting document	View File

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

1. Title of Practice

COVID-19 management

2. The context that required the initiation of the practice

Health and well-being of campus residents

3. Objectives of the practice

Minimise spread of infection and keep a track of infection spread within the campus premises.

4. The Practice

- Proper Notices and sign boards were displayed at several locations in the campus premises to make the residents aware of the rules and regulations.
- Masks were made compulsory within the Institute premises
- Routine RT-PCR Tests were conducted
- Regular health check-ups
- Routine sanitation
- Sanitiser pump stations were installed
- Digital Oxymeters and Thermometers supplied to all
- Vaccination camp was organised

- Mediclaim policies and insurances were offered

5. Evidence of success

Following stringent practices to ensure and minimise infection spread, the number of cases could be controlled and managed efficiently.

6. Obstacles faced and resources required

Proper phase wise evacuation/admission, containment of residential facilities. Food supply and transportation, uninterrupted administrative support. Financial support for procurement of PPE kits, gloves, masks, sanitising equipment's, digital Oxymeters and thermometers, sanitation of premises

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The Institute is devoted to education, training, research and industrial collaboration and covers all branches of Chemical Sciences, Engineering and Technology; Product Engineering; Biological Sciences, Engineering and Technology; Materials Sciences and Engineering; and Energy Science and Engineering. A recent Sci-Val data analysis (Elsevier) shows that ICT is highly productive and recognised institute and is top 4 among all disciplines in the country and number 1 in Chemical Engineering.

- Three campuses from 2018-19
- University of the Year 2018 by FICCI & Best Institute for Research Enabling Environment 2021
- Best Engineering Institute by ISTE Western Region 2019
- 3 Padma Vibhushan, 8 Padma Bhushan, 8 Padma Shri awardees; 2 Fellows of Royal Society
- Fellowships- FNA, FNASc, FNAE, FRSC, FTWAS, MUSAE.
- Over 500 first generation entrepreneurs
- ICT Mumbai: 11 departments and 6 centres of excellence.
- Annual citations more than 10,000

- 4 Fellows of INSA, 4 Fellows of TWAS, 4 JC Bose Fellows
- Many of NASI, IASc, INAE
- 468 papers: 406 Patents filed in last 10 years
- 1 Company under section 8 of Companies Act
- Donations under CSR, 80G, 35(I) (II) 3 C, 3E
- Many technologies transferred to industry.

7.3.2 - Plan of action for the next academic year

1. To continuously innovate, introduce new courses, revise syllabi and remain relevant to the changing needs of the stakeholders.
2. To improve and monitor quality assurance and quality enhancement of various initiatives and activities of the institution, including enhancing the various systems in place for overall functioning of the institute. Special focus is being laid on planning the overhauling of the finance and procurement systems.
3. To implement suggestions made by NBA committee and the recommendations made by the NAAC Re-Accreditation Committee.
4. To foster and strengthen relationship of alumni with the institution.
5. To continue to organize extension activities for the benefit of the society and to create awareness on various social issues through unit like NSS.
6. To give additional thrust to campus placements initiatives.
7. To further improve the faculty:student ratio in the institute by inducting qualified manpower.
8. To further strengthen and systemize the overall functioning of the off-campus, so as to encourage decentralization.