Yearly Status Report - 2017-2018

Part A	
Data of the Institution	
1. Name of the Institution	**INSTITUTE OF CHEMICAL TECHNOLOGY**
Name of the head of the Institution	**Prof. G. D. Yadav**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02233611001**
Mobile no.	**9833090510**
Registered Email	**vc@ictmumbai.edu.in**
Alternate Email	**registrar@ictmumbai.edu.in**
Address	**ICT, N.P. Marg, Matunga, Mumbai – 400019**
City/Town	**Mumbai**
State/UT	**Maharashtra**
Pincode	**400019**

2. Institutional Status	
University	**Deemed**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Prof. S. P. Deshmukh**
Phone no/Alternate Phone no.	**02233611018**
Mobile no.	**9833297939**
Registered Email	**sp.deshmukh@ictmumbai.edu.in**
Alternate Email	**spdeshmukh64@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.ictmumbai.edu.in/uploaded_files/ICTMumbai_AQAR_report_2017-18.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.ictmumbai.edu.in/uploaded_files/Academic_Calender_2017-18.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A++**	**3.77**	**2017**	**27-Nov-2017**	**26-Nov-2022**

6. Date of Establishment of IQAC	**21-Jan-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Entrepreneurship Cell established	29-Sep-2017 15	300
Upgradation of UG Lab in Chemical Engineering with UDCT batch alumni support	29-Sep-2017 400	450
Permission to reappoint faculty above Sixty Five (Pay Minus Pension)	29-Sep-2017 1	300
Solar Rooftop	29-Sep-2017 180	2469
Participation in NIRF	04-Mar-2018 15	8
Academic Administrative Audit (AAA) conducted and its follow up action	01-Dec-2017 30	2500
Feedback from 1) Alumni 2) Students 3) Parents collected, analysed and used for improvements	11-May-2018 1	1605
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dept of Food Engineering and Technology	UGC-CAS	UGC	2018 365	600000
Dept of Food Engineering and Technology	DST-FIST	DST	2018 365	8000000
Department of Oils, Oleochemicals And Surfactants Technology	DST-FIST	DST	2018 365	8400000
Department of Physics	DST-FIST	DST	2018 365	8800000
Institute	TEQIP III	NPIU	2017 365	70000000
Institute	TEQIP COEPI	NPIU	2018 365	30000000
Dept of Chemical Engineering	UGC-CAS	UGC	2018 365	16600000
Dept of Pharmaceutical Science and Technology	UGC-CAS	UGC	2018 365	500000

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File]()
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• **Approved a manual for academic audit of a department** • **Chemical Safety Procedures implemented.** • **Application to international ranking frameworks such as QS ranking and times higher education ranking and improved systems required for smooth data collection** • **Set up system for feedback from staff, students, faculty for various administrative stories.** • **Started the process for preparing organogram of the institute**

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Arrangement of Feedback responses from students	The ICT MIS portal successfully generated data on course wise feedback of students, the feedback was analyzed for further improvements.
Organise institutional programs on quality in higher education for Faculties	Organised several faculty development and industry training programmes. Participation of faculties in various Faculty Development Programmes.
Research promotion in the Institute through making the faculties aware of different funding opportunities	Faculties received research funding through extramural and Govt. as well as from Private industries.

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQA Core Committee	29-Dec-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	10-Feb-2017
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	31-Jan-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Admission – Institute MIS admission modules helps in admission process of all UG and PG students of the institute are required to complete the admission formality by filling up online admission forms writing all the academic and other information on this forms. The module helps in collecting the information of this academic admissions program wise and also helps in making merit list as per the institute norms with this merit list the student are admitted strictly base on their based on merit marks. 2. Entrance Examination for PG students – Institute conducts its own entrance examination all its PG programs. The applicant students are giving these online examinations in institute where in they immediately get their exam scores at the end of examinations. Base on this course the final admission procedure is completed by the Institute. 3. Examinations – This module takes care of the exam activities in the form of appointment of examiners, collection of the question papers, collection and compilation of continuous evaluation marks, end semester marks and

declaration of results using CGPA system. 4. Administration – The day to day data related to attendance of regular and temporary faculty is part of this module which also helps in monthly salary payment of all employee of the institute. 5. Academic Activities – The information related to the students roll numbers their course details and their other information is part of this module. 6. Stores Management – This module helps in vendor registration, tender procedure used for procurement of consumables and equipments, the repair and maintenance of institute's infrastructure, receiving tenders, preparing comparative statements, preparing and placing orders and the necessary administrative approvals of the procurement. 7. Time Table – Preparation and display of academic calendar and timetable. 8. Attendance – Institute have a student attendance module which helps in recording online attendance of all lectures and practical's conducted for UG and all PG programmes. This module determines the list of list who does not qualify minimum attendance requirement of the institute. 9. Appointment of Examiners – For evaluating Final Year thesis work of UG, PG and Research students this module makes the appointment of examiners using preferences given by the internal guides in this regards. 10. Thesis submission and Approval – Thesis of UG, PG and Research students are uploaded on MIS along with the colloquium, Synopsis reports. The academic approval of the thesis various academic authorities is also part of this module. 11. Leave Management – Through this module all faculty members of the institute apply for different types of leaves and information goes for necessary approval of the same keeping record of total number of leaves consume by the faculty throughout the year and the balance leave available with faculty. 12. Faculty service records – This module keeps service record of all faculties. 13. Fees Payment – Students through this module can pay their annual tuition fee, exam fee and other fees using online mode. 14. Accounts and Finance – Student scholarships. online

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	CHT-1403	SYB. Chem Engg. Syllabus revised (Elective course CHT-1403)	18/04/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	All specialization	01/07/1933	CET1504-Chemical Project Economics	01/07/2017
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Pharmaceutical Biotechnology	01/07/2017
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Pharmaceutical Biotechnology	01/07/2017

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Safety And Risk Management	01/07/2009	225
Value Education	01/07/2009	150
Persp. of Society, Sci. Tech.	01/07/2009	75
Communication Skills (VF-Anvekar)	01/07/2009	211
Industrial Psychology and Human Resource	01/07/2009	211

Development (VF - A V Joshi)		
Sociology and Ethics (VF - Rajesh Rajaswamy)	01/07/2009	145

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Chemical Engineering	81

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained

Institute conducts online feedback by the student every semester, after the end semester examination. The student's gives feedback for all the theory and practical courses taught to them in the semester. The general assessment points of the feedback based on question based syllabus, adequacy of syllabus, assessment of answer books, Satisfaction about teaching methodology, Teachers approachability towards students, Teachers ability to teach subject and control the class, Syllabus coverage organisation of lectures use of modern tools of Pedagogy etc. on a grade of 5 scale with number 5 meaning excellent and zero meaning poor performance. The Institute policy is that if a teachers gets average grade less than 2.5 he/she is being called by the institute authorities such as Dean academic, registrar, Vice-chancellor and is being informed about his/her performance of the particular course. The teachers are accordingly instructed by the authorities to improve their performances. Alumni Feedback is conducted whenever alumni program such as Foundation Day, Technology Day and Alumni Meet are organised in the Institute during academic year. The Feedback from Alumni is drawn evaluating subject knowledge of the program, level of meeting expectation, progress of Alumni in career after graduation, impact of training, motivation at Institute, Impact of training at ICT on personality, maturity, Social Skills, ability to take decisions, ability to manage finances and presentation skills at the workplace ICT. This feedback is also taken on a 5 point scale on 1 to 5 with 1 at satisfactory and level 5 on excellent level. The Employers feedback highlights evaluation parameters in the form of subject knowledge, attitude, Behaviour, Regularity, Punctuality, Maturity, Motivation, Creativity, Presentation Skills and ability to get along with others. The analysis of this feedback helps institute in reframing the course content and various skill development training. It also helps in determining overall employability of our students at various levels.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Chemical Engineering	75	81	81

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	990	535	109	109	109

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
109	109	8	31	31	12

View File of ICT Tools and resources
View File of E-resources and techniques used

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

Institute has a well defined policy of mentoring newly admitted under graduate students. Institute admits students from various socio economical backgrounds, students from rural, urban and metropolitan regions, and from various states of the country as we have 70 of UG students for the students form Maharashtra State and 30 quota for the students on national basis. There is a vast variety in students admitted in the institute at UG level. Institute has Five hostels which accommodate most of the fresher's who came from outside Mumbai and its suburban areas. When these students arrives in the Institute, they face many emotional, behavioural, language, economic and other difficulties for all these they need mentors to help them to come out of these situation and gain confidence of facing such situations bravely. Institute has appointed a full time counsellor who helps fresher's to overcome their language, emotional, behavioural difficulties during first 2 to 3 months their stay in the institute. During the induction program students are made aware of the counsellor and the type of help counsellor can provide to the students who face such type of difficulties. Institute organizes the induction program for fresh students during the first two weeks of their first semester in the institute. On the very first day Vice chancellor of the institute addressee fresh students giving them the basic information about the Institute, various courses conducted in the institute relevance of this courses industrial and other requirements of the national and international community and various career opportunity after completion of graduation. In the same session head of the departments also brief to the fresh students about their individual department there courses, laboratories, major projects, research facilities and the opportunities for the students of the department. Institute assigns to every teaching faculty the role of mentor to the newly admitted students. In this way each faculty assigned with 3 to 4 students of the 1st year undergraduate process for a complete year. The students meet mentors frequently and get their support in overcoming the emotional and other difficulties of them. There is a team of elected representatives of the technological association of the institute which is engage with extra and co-curricular activity of the institute students. These senior students representatives also perform the work of mentorship. The programs such as fresher's, socio and fresher's game are being organized by the TA students welcoming freshers and acclimatizing them with the institute culture in general and environment in particular. This programs where in participants are mostly the freshers helps them immensely in rebuilding their emotional and other barriers.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1219	109	1:11

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
99	65	34	1	63

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Professor G.D. Yadav has been appointed as Editor-in-Chief for the Catalysis Society of Indias new journal Catalysis in Green Chemistry and Engineering published by Begell House Inc, New York.	Vice Chancellor	Editor-in-Chief for the Catalysis Society of Indias new journal
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	UG-1	II	27/04/2018	02/06/2018
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.ictmumbai.edu.in/uploaded_files/ICT-CO_PSO_PO.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG-1	BE	Final Year Chemical Engineering	76	75	98.68

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.ictmumbai.edu.in/uploaded_files/SSS_2017-18.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Prof. A. B. Pandit	DST-Lockheed Martin-Tata Trusts, India Innovation Growth Programme (IIGP)2.0 Awards 2017	27/07/2017	Department of Science and Technology, India

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRFs and SRFs	1825	Department of Atomic Energy

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	CSIR	30.91	30.91

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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date

Workshop on Programming using MATLAB for Master and Ph.D Students	Department of Mathematics	23/01/2018

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Lifetime Achievement Award FICCI HES	Prof. M.M. Sharma	The Federation of Indian Chambers of Commerce Industry	09/11/2017	Lifetime achievement award

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nill	Nill	Nill	Nill	Nill

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Chemical Engineering	47
Dyestuff Technology	13
Fibres and Textile Processing Technology	7
Food Engineering and Technology	9
Oils, Oleochemicals and Surfactant Technology	3
Pharmaceutical Sciences and Technology	26
Polymer Engineering and Surface Coating Technology	6
Chemistry	14
DBT-ICT	15

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Chemical Engineering	14	2.5

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

Department	Number of Publication
Chemical Engineering	4

3.4.4 – Patents published/awarded/applied during the year			
Patent Details	Patent status	Patent Number	Date of Award
Functionalised fibre reinforced coating	Filed	201721036941	17/10/2017

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Temperature-Dependent Empirical Parameters for Polarity in Choline Chloride Based Deep Eutectic Solvents	Valvi A., Dutta J., Tiwari S.	Journal of Physical Chemistry B	2017	12	Institute of Chemical Technology, Mumbai	11

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Sustained release formulations of citronella oil nanoemulsion using cavitational techniques	Agrawal N., Maddikeri G.L., Pandit A.B.	Ultrasonics Sonochemistry	2017	53	6	Department of Chemical Engineering, Indian Institute of Technology (BHU), Varanasi, 221005, India Department of Chemical Engineering, Institute of Chemical T

				echnology, Matunga, Mumbai, 400019, India

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| 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year |

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	13	35	2	24
Presented papers	25	29	2	5
Resource persons	3	8	5	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Chemical Engineering	M/s. Unilever industries Pvt. Ltd.	M/s. Unilever industries Pvt. Ltd.	108000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Chemical Engineering	Refresher course in Chemical engineering	BPCL	800000	40
Fibres and Textile Processing Technology	Certificate course in "Chemistry Technology in Fibrous Polymers". (12 days programme). (April-July 2018)	Aditya Birla, Research Cenre, Taloja	1000000	20

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

Swachha Bharat Summer Intership	ICT Mumbai	2	20
TedEx Event	TedEx with ICT TA	1	211
Subject Expert on Chemistry	Aakashwani Marathi	1	0
Editorial Board Member	Marathi Science Magzine Patrika	1	0
Invited Lectures on Chemistry	Marathi Vidnyan Parishad	1	231
Invited lecture on Basic Stereochemistry	Kendriy Vidyalaya, Bhandup	1	6
Science Day Celebration	ICT, Mumbai under Unnat Bharat Abhiyan	3	134
Marathon	ICT, Mumbai	5	563
Annual Intercollege Chemistry Rasayanam	Dept. of Chemistry, ICT Mumbai	1	92
Invited talk on Cavitational reactors	Marathi Vidnyan Parishad	1	192
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	0
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Tree Plantation Drive	Technological Association, Vansrushti Foundation (NGO)	Tree Plantation at Bhandup (250 Trees)	3	100
I Love Elephanta	Technological Association, Waste Matters Foundation, Rajini Foundation (NGO)	Cleanliness Drive at Elephanta Caves	3	130
Swachh Bharat Internship	Aawaj NGO	Internship (100 hrs each)	4	10

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Internship Training from BIT Mesra	7 Faculty	TEQIP-III	15
Industry Academia Symposium 2018	1 Faculty & 1 Industry Person	TEQIP-III	2
Induction Training at BIT Mesra	1 Faculty	TEQIP-III	3
Academic Non academic Reforms	2 Faculty	TEQIP-III	2
Governance Practices	1 Faculty	TEQIP-III	1
Workshop on " Outcome based education"	2 Faculty	TEQIP-III	1
Organizing three day Workshop on " Writing Skills in research" at BIT, MESRA	6 Faculty from ICT	TEQIP-III	5
Workshop on "Outcome based education (OBE) for engineering programs	1 Faculty from ICT	TEQIP-III	2
Deliver a talk on "Surfactant –containing microheterogeneous systems for Nanomaterial synthesis" at BIT	1 Faculty from ICT	TEQIP-III	1
Deliver an expert talk in Industrial Process Simulation workshop at BIT Mesra Loading	3 Faculty from ICT	TEQIP-III	4

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant

Industrial Research/ Internship	Ph. D program for staff of the Industry	Indofil Industries Ltd	01/08/2017	31/12/2019	Rajesh Damodar Shanbhag

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
CSIR - Indian Institute of Petroleum	11/05/2013	Collaborative Programmes in RD, Education and Training	1

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
6059	2111

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Libsys	Fully	4	2000
Koha	Fully	18	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	2146	1073000	2	1000	2148	1074000
Reference Books	77116	115674000	127	884564	77243	116558564
e-Books	524	6557206	0	0	524	6557206
Journals	10079	0	122	25480250	10201	25480250
e-Journals	0	0	2000	8552986	2000	8552986
Digital Database	6	10746602	0	0	6	10746602
CD & Video	89	0	0	0	89	0
Library Automation	1	0	1	0	2	0
Weeding (hard & soft)	1908	0	0	0	1908	0
Others(specify)	4848	0	571	0	5419	0

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 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	900	9	3	1	1	12	9	111	0
Added	200	0	1	1	2	0	0	2	0
Total	1100	9	4	2	3	12	9	113	0

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

3 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility

E-Studio	https://ictmediasite.ictmumbai.edu.in/mediasite/manage
E-library in campus	http://ictlibrary.firstray.in/
E-library off campus	https://elibraryict.remotexs.in/user/login

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
475	463	50	46

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Institute has well defined policy for maintenance and utilization of all its physical and academic facility which includes use of equipments in various laboratories, use of e-library facility, access to e-journals of the institute through internet login and password, use of computers in information processing centers and departmental laboratories. Maintenance of the computers is carried out by appointing external agencies which take cares of installing software's, operating systems and other applications on all the computers of the institute. AMC of the computers also involves replacement of faulty hardwares and or addition of the hardware augmenting the system configurations. Equipments in all the laboratories are also maintain through annual maintenance contracts avoided to either manufacturers or their agents. All classrooms, seminar halls, Building, Hostel, Residential Area are maintained under the supervision of Dean Infrastructure and Campus Development and University Engineer. Institute has appointed a Dean, Students affairs who are also a Vice president of The technological association of the Institute. This Dean is taking care of use of al sport complexes and Sport facility and all the extra and co-curricular activities conducted for Institutional students throughout the year. The Technological Association body including VPTA and General Secretary of the students defines policies for the use of the facilities every year. Students are encouraged to participate in extra and co-curricular activities and sport activities and their participation in Institutional and National and International competitions.

https://www.ictmumbai.edu.in/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	M. S. Patel Trust Merit-cum-Means Scholarship	3	15000
Financial Support from Other Sources			
a) National	0	0	0

b)International	TEQIP	80	629090

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Mentoring	28/07/2017	250	Faculty
Personal Counselling	18/07/2017	20	Counsellor
Meditation	21/08/2017	250	Art of Living
Yoga	21/06/2018	250	Art of Living
Bridge courses	25/12/2017	11	Exam Section Faculty
Language lab	15/02/2018	35	IPC
Remedial coaching	11/04/2018	15	Visiting Faculty
Soft skill development	26/07/2017	51	IPC

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2017	Admission to Foreign University for Higher Education	100	100	95	95
2017	Career Guidance	75	75	70	70
2017	Management Trainee	20	20	20	20

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	30

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations	Number of students	Number of stduents placed	Nameof organizations	Number of students	Number of stduents placed

visited	participated			visited	participated	
Aarti Industries	**10**	**2**		**Croda**	**1**	**1**

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	**8**	**ICT**	**Polymer Engineering**	**Tata Institute of Social Science**	**MBA/M.A in HRM**

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	**98**
CAT	**25**
GRE	**167**
TOFEL	**165**

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Funtech Badminton	**Institute**	**24**

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	**Best Singer**	**National**	**Nill**	**1**	**16TXT109**	**Kaivalya Vinay Kejkar**

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

The Student Council of Institute of Chemical Technology, Mumbai is the Technological Association (TA), which is headed by the General Secretary as a student representative. The TA has a dedicated wing which functions for the Student Affairs headed by the Technical Secretary. The Technical Secretary has two independent student representatives from UG and PG who head their own team of Branch Representatives and Class Representatives. The prominent posts of the TA have representation in the committees of the Institute. The list of the committees on which the student representatives are included are as follows:

1.) General Secretary Undergraduates Programmes Post Graduate Programmes Convocation Student Academic Interface/Students Feedback Anti-Ragging Outreach Activity/Social Responsibility Student Welfare and Mentorship Cultural and Co-curricular Activity Sports Election Media Publicity 2.) Technical Secretary Undergraduates Programmes Post Graduate Programmes Student Welfare and Mentorship Election 3.) Cultural Secretary Outreach Activity/Social Responsibility Student Welfare and Mentorship Cultural and Co-curricular Activity Election 4.) Lady Representative SC/ST Cell Women cell including cell to eliminate sexual harassment Outreach Activity/Social Responsibility The student representatives involvement includes a variety of things like setting of the Academic and Exam Timetables, helping the faculties to improve lecture quality through constructive feedback of every semester. A team of 80 BRs and CRs headed by their course (UG and PG) representatives form an excellent system which works very efficiently co-ordinating with professors, deans and the management committees of the Institute help ad try to make the system better.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Year of Establishment – 11/05/1989 President – Prof. Padma V. Devarajan Sr. Vice President – Mrs.MaharukhRustomjee Vice President – Mr.DilipUdas Secretary – Dr.ParagGogate Treasurer – Mr. Rajeev Panse Imm. Past President – Mr. Ravi Raghavan

5.4.2 – No. of registered Alumni:

6458

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

10022343

5.4.4 – Meetings/activities organized by Alumni Association :

Factory Visits, Summer Internships, Loan to Students, Agatya – Freshers Welcome Programme, Placement Cell, Subsidy for Labcoats, Support Staff Cultural Activity, Manzar Function, Sportsaga, Summer Training Programme, Laboratory Upgradation.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Technological Association - Institute has established technological association with Vice Chancellor as its President. There is a Dean (student affairs) who acts as a Vice President of this association. It is a faculty and student body of the Institute involved in carrying out extra, co-curricular, cultural, technical, publications, personality development and sports activities of the institute students. Many events are being organised by the technological association for the institute throughout the year. Even though Vice chancellor is the president of this body VPTA takes the responsibility of organising these events of the students with the help of faculty convenors for each activity along with the representatives of the students of the institutes. Students are encouraged by VPTA and convenor of the respective events for organising this events by making special provisions in the academic calendar for its schedule and providing adequate financial requirement of such events. The students are also encourage to generates to sponsorship for successful completion of this events. Generating sufficient financial help all the events are being well

organised and conducted by the students body by taking timely advised from the concern convenors and VPTA. For this activities there is a minimum interference made by president, Vice president and convenors of the technological association of the Institute. The students are guided in overall scheduling, planning and financial needs of this events. Accreditation of the program/ institute by various agencies- Institute has appointed Dean academic program they look after all academic activities of the institute. Accreditation of the program and institute by various agencies one of the important activity entrusted with Dean Academic program. Dean academic program with the help of Nodal officer and Teaching and support staff of the institute ensures that all the programs of the institute are accreditated by the agency such as NBA and the institute being accreditated by the agency such as NAAC. In this regards Dean Academic programs makes the required initiatives by collecting the relevant information and data and applying for the accreditation as per the mandatory requirement for the institute by UGC/ AICTE. The whole process is being carried out by the team of Dean academic program by informing Vice Chancellor time to time.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Research and Development	Institute admits fulltime research fellows in more than 25 disciplines of Chemical Engineering, Pharmacy, Biotechnology, Chemical Technology, Science, Mathematics and Subjects of Mechanical, Civil, Electrical, Electronics and Plastic Engineering. Every faculty is encourage to apply for major and minor research projects from various government agencies and industries making provisions for purchase of Ultra modern processing and testing equipments. The TEQIP program I, II, III of the world bank has immensely helped in building infrastructure taking care of research and development of the institute. 99 faculty of the institute is qualified with Ph.D degree in the respective areas of their specialization and are approved research supervisors. All the faculty are having Ph.D students enrolled under their supervision and carrying out research in above mentioned areas. All UG and PG students along with faculty are publishing their research finding either through patents or by publication in internationally renowned scientific and technical journals. They are also encouraged to present their findings in National and International conferences.

Examination and Evaluation	With the proper mix of continuous evaluation and mid semester and end semester examination. Students are continuously evaluated throughout the semester for each course of the program. Course teachers of each course follows the schedule defined in the academic calendar of the institute for conducting these examinations and also keeps the proper records of the same time to time. The end semester examination are conducted by the Institute at the end of academic semester and after collecting all the marks from teachers for continuous evaluation and mid and end semester examination the results are being declared as early as possible. Institute also offers the repeat examination to the students who failed in the examinations immediately within the one month of declaration of final semester examination result. This helps the needy students to clear the examination before the start of the new semester of the program.
Teaching and Learning	Under the leadership of Dean Academic program, various committees are formed to ensure the use of proper teaching and learning techniques for all classes of UG and PG. Every class room is provided with wi-fi enabled projection system with audio visual facilities and biometric attendance system for the every lecture. The lectures of the each faculty are recorded during the lecture hours and the same are being used by the slow learners and absent students whenever they miss the classes.
Curriculum Development	Institute has a policy of development of curriculum for all UG and PG programmes after every four years. For this a details survey is conducted among the alumni and the industry where the students of the Institute has been employed. The help of faculty in the required field of expertise is also sought from the other institute of repute. The help of the syllabus of the renowned Universities from abroad is also taken in deciding the final details of the curriculum. The syllabus committee in all the programmes is being setup to finalize the same. The committee considers all the inputs and finally decides the content of the course and the examination scheme as

	per the broad guidelines provided by the Dean academic program and the same is approved in UGPC and PGPC committee and finally discussed and approved in Academic council.
Admission of Students	For UG admissions for all the programs institute admits students partially by admitting students through state common Admission process and also admits students through National quota. For PG students admission takes place base on the criteria of entrance examination such as GATE, GPAT, UGC NET SET and Institutes written tests.
Industry Interaction / Collaboration	Institute has established industry interaction cells which help in promoting activity, training, projects and collaborative research culture between industries and institution. Every students of the institute undergoes mandatory 3months industrial training in various industries located in and around Mumbai. Industries are willingly participate in collaborative research programs under industry sponsored and Prime Minister's research fellowship programs and also sharing their equipment and other resources with the faculty and students of the institute.
Human Resource Management	Institute has established well defined administrative section and academic sections to look after the employees and students respectively. The Institute maintains all service records of the employees and keep up to date records of their leave. Institute has set up Dean Human Resource who the help of various grievance redresal committees addresses the complaints raised by the employees. This committee includes grievance redresal committee, staff welfare committees, women's harassment committee and committee to take care of weaker section of the society. Dean students affairs takes care of all students of the institute solving their day to day difficulties. Institute has appointed a doctor and the nurses to provide medical attention to faculty and students whenever required. All faculty and students insured for the accidents through group insurance policies. In the case of medical emergency every employee And students gets suitable non-refundable financial help for their treatment in

	private hospitals.
Library, ICT and Physical Infrastructure / Instrumentation	Central Library of the Institute has more than 76,000 volumes of scientific and technical books. Institute also subscribes to hard copies of more than 300 technical journals. Library also subscribes to e-journals provided by science direct, Elsevier, and other reputed international publishers of scientific and technical journals. All students, all faculty, Alumni, well wisher industries and visiting and retired faculty of the institute have access to all the library resources throughout the year. Every department of the institute has developed different research laboratories for the UG students with Ultra modern equipments and facilities.

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

E-governace area	Details
Student Admission and Support	Students who desires to take admission for UG and PG program of the institute are required to make formal application online on institute's MIS system by registering themselves. The data collected through this process is further used for making merit list and admission list of the eligible candidates and for online payment of the necessary fees.
Examination	MIS of the institute has well defined modules for collecting the data related to marks of continues evaluation, Mid semester Test, End semester marks, collection of question papers, appointment of examiners, collection of thesis and declaration of final results. The marksheet of all examinations are printed using examination modules.
Planning and Development	The MIS modules of the Institute helps in planning academic activities which includes Timetable, Recording of Lectures and attendance, Feedback by students. This MIS helps in distributing students in batches through batch management, the faculty subject allocation, allotting subject wise infrastructure. It allows students to select Choice Based Electives. At postgraduate levels the allotment of research topics, research guides, Research seminars and critical reviews are done using MIS systems. This MIS

	system has students and Employee Grievance module which helps in overall development of the Institute.
Administration	Administrative MIS modules of the institute helps in keeping service records of all the employees maintaining service books, promotion records, seniority etc. and their total emoluments and the records of their provident fund.
Finance and Accounts	Functions of the finance and accounts are precisely defined and are strictly followed with proper accounting practices making record of each financial transactions using e-governance mechanism. This has helps keeping records of receipt of funds, projects, consultancy income, donations, staff salary and all types of purchases and payment of various utility bills and taxes.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Dr. Snehasis Chakraborty	Workshop on NBA SAR Filling	NA	31464
[View File](#)				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Enhanced knowledge waste util ization for value added products	NA	28/08/2017	01/09/2017	1	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional	Number of teachers who attended	From Date	To date	Duration

development programme				
Short Term Course	**1**	**28/08/2017**	**01/09/2017**	**5**

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
65	**109**	**142**	**185**

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
4	**8**	**5**

6.4 – Financial Management and Resource Mobilization

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

Institute has accounts and finance department headed by Assistant registrar. This administrative department controls the data related to all financial and money transactions of the institute through carry out yearly budget allocation. Institute has separate finance committee chair by Vice chancellor of the institute. Financial allocation for day to day activities and yearly requirement for running all academic and administrative departments is carried out thoroughly by this committee. The institute has to prepare yearly audited statements and Income expenditures statements for the year for which services of the government certified auditors are used. As a mandatory part the institute also completes audits of its finances by the government appointed auditors.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
ACS-Festival Grant / Prof.G.D.Yadav	**193360.17**	**SCHOLARSHIP RESEARCH FUND**

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6.4.3 – Total corpus fund generated

18384609

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	**No**	**Nill**	**No**	**Nill**
Administrative	**No**	**Nill**	**No**	**Nill**

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Nil

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

Nil

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

1. Women Motivation 2. Capacity Building 3. Health Check up 4. Staff Development Training Program

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

1. Formation of IQAC committee of the Institute 2. Formation of departmental IQAC committees 3. Syllabus revision with outcome based technique 4. Definition of course outcomes, program educational outcomes and program outcomes of all the programs of the institute. 5. Use of MIS academic and administrative functions. 6. Biometric of attendance of all the subjects. 7. Setting up E-Studio in the Institute. 8. Lecture recording system. 9. Wifi connectivity of all classrooms. 10. Academic and Administrative Audit of the Institute.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Lectures on Quality Higher Education	07/07/2018	07/07/2018	07/07/2018	90
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women's Day – Motivational Seminar	12/03/2018	12/03/2018	93	22

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the University met by the renewable energy sources 15 Installing PV modules of the rooftops of the Institute buildings.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	7

Provision for lift	Yes	7	
Ramp/Rails	Yes	7	
Braille Software/facilities	No	0	
Rest Rooms	Yes	5	
Scribes for examination	No	0	
Special skill development for differently abled students	No	0	

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	01/05/2018	60	Water Disinfection	Khudus, Nimbawade in Malshiras, Solapur	8
2018	11	1	01/05/2018	60	Micro-hydroelectricity	Kanher in Malshiras, Solapur	15
2018	1	1	01/05/2018	60	Smokeless Chulha	Palghar, Thane, Ratnagiri	5
2018	1	1	01/05/2018	60	Sustainable solution for water supply	Kondmala, Mandki, Owali, Kolkewadi (Chiplun, Ratnagiri)	13
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Leaving the service of the Institute by an Academic Staff, due to retirement, resignation, or Termination of Service as a Disciplinary Action	02/01/2017	1) The person, who is absent from duty without permission for a period of more than thirty days, shall be deemed to be deserter and his services shall stand terminated as per the provisions of the

		Ordinance. 2) A person shall not leave or discontinue his/her service in the Institute without giving a prior notice in writing to the Director of his intention to leave or discontinue the service. 3) Before leaving the service, the person shall hand over the charge of his post to the appropriate person authorized by the respective Ordinance.
Redressal of the Grievances of the Faculty Members, Non-Teaching Employees, and the Students of the Institute	02/01/2017	1) To receive, entertain and consider the applications of grievances, which are not subjudice, form the Students, Teachers and other employees of the Institute and process them further 2) To hear and settle grievances as far as may be practicable within 3 months 3) To verify the grievances personally, if the Committee feels it necessary, by authorizing any member of the committee to visit the concerned site/ section and find out the authenticity of the grievances. 4) To make efforts to settle the disputes amicably and report the same to the Board. 5) To perform such other duties and discharge such other functions, as Directed by the Board.
Provision for the candidates suffering from Dyslexia, Dysgraphia, and Dyscalculia and any Other Disability	02/01/2017	1)To pass the examination maximum of 20 grace marks be given in one or more passing heads as per the scheme of examination, i.e. theory papers, internal projects, dissertation, practicals, oral, viva voce, etc. 2) Concession should be given for spelling mistakes or

		minor mathematical errors. 3) Additional time up to 30 min should be given to such candidates for papers of 2h duration or more 4) The A.R. (Acad) should intimate to the examiners/ supervisors about the candidates with specific disabilities. The candidates should be requested to mention the specific disability on the top of the main answer book. 5) In case of any other major acute/ chronic disability of any candidate the COE in consultation with the Conductor is authorized to take appropriate decision.
Redressal of the Complaints against Sexual Harassment	02/01/2017	1)This ordinance shall apply to all the employees and students of the Institute. 2) No person to whom this ordinance is applicable shall indulge in any act of sexual harassment of any person to whom these directions are applicable. 3) All complaints regarding the sexual harassment of and violence against women shall be made in writing, addressed to the Chairperson of the committee and handed over to the Registrar. 4)The complaint shall be with the name, signature, address, details of the complainant, and the details of the complaint. 5) No anonymous complaints shall be entertained.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Orientation Programme Art of Living	23/08/2018	06/09/2018	250

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

1. Installation of PV Panels for harnessing solar energy. 2. Using kitchen waste making compost 3. Using garden waste for making compost 4. Effluent treatment of laboratory drain and reuse of the same of gardening. 5. Paper less approvals for institute purchases. 6. Rain water harvesting.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The institute believes provides quality education and is committed to the implementation of best practices to achieve its vision of academic excellence. The best practices that the institute follows are: 1. SMART LEARNING/ SMART CLASSROOM TEACHING The institute believes in advanced pedagogy practices with a major focus on enhancing the performance of students. • Lecture Recording System Not all students are the same, few are slow learners and take a little more time than others to understand certain topics. Also sometimes, students tend to mentally stay away from the lectures because of several distractions and this affects their performance.To improve understanding of the course content of students the institute has built and installed custom-made lecture recording systems in all the classrooms. The recorded lectures are available on the institute website and students can revisit these recorded lectures and clear their doubts at their convenience. These lectures are also available to the outside students who are willing to take credit and audit courses from ICT. • Use Of Smart Board To Teach Engineering Drawing Engineering drawing is one of the most important subjects for engineering and technology students. Some students find it difficult to understand engineering drawings. The concept of smart boards is introduced in teaching to demonstrate several simulation software and engineering drawings for a better understanding of the subject. • Use Of Wi-Fi Connected LCD In All Class Rooms The Institute emphasizes the use of modern teaching tools like PowerPoint presentations, demonstrative videos, and other e-files for a better understanding of the subjects. All classrooms are equipped with Wi-Fi-enabled LCD projectors to show PowerPoint presentations, videos, etc. during classroom teaching. At a time five laptops can be connected to one LCD. This connectivity helps in conducting interactive and problem-solving teaching practices wherein the faculty can ask students to project their laptops on the screen and present their work. • Use Of e-Books and e-Journals The library is open from 8.30 am to 8.30 pm during the day and is also accessible beyond working hours through an electronic platform (E-Library). The e-library platform helps to check the availability of particular books on the shelf anytime and easier record management. The institute has electronic access to world-class leading research journals. • E-Attendance system The institute has developed a custom-made biometric attendance system for student's attendance and to ensure delivery of the content. The main objective of having such a system was to attract students who tend to stay away from the lectures because of several distractions in terms of internet surfing and mobile apps.The system is based on wireless transmission of the attendance to a central server. Each class has a safe biometric lock which is opened only by the faculty member. The faculty initiates the lecture by selecting his/her course and class in a drop-down menu using the app on a tablet. A biometric machine is circulated amongst the students with preregistered fingerprints, so that each student, present in the class gets registered on the machine. At the end of the class when the app is closed, the names of registered students are sent to the central server. The names of the absent students are flashed on the tablet for a double check by the faculty. This new system has not only has ensured the attendance of the students but also helped in conducting timely lectures by the faculty. Students have the provision of giving feedback at the

end of the class which is noted by teachers. The average attendance post-implementation of the E-system has improved from 50-60 to more than 90. Besides, students performance is enhanced as now they do not miss out on the continuous assessment tests that teachers conduct, sometimes as surprise tests.

2. MANAGEMENT INFORMATION SYSTEM (MIS) The Institute has adopted a new Management Information System (MIS) which takes care of all the activities related to academics, research, students, library, employees life cycle analysis, regulatory bodies compliance and accreditation, back-office work related to salaries, maintenance of leave musters, inventory stock, hostels, mess, library, etc.with a single database. The MIS system has been implemented for faculty recruitment, official documentation, attendance system, examination process, thesis approvals and submission formalities, grievances, counseling, admissions, appointment procedures, Internal quality assessment, etc. There are many modules of this system that have helped in streamlining and transparent functioning of various activities at the Institute. The MIS helps declare results of the Masters and Ph.D. entrance exams on the same day. The store inventory management including order placement, collaboration with the finance department has become much streamlined and sorted. The complete information of different modules and respective data in those modules including the feedback surveys is available 24x7 as the entire campus is Wi-Fi enabled. The information is also available on the cloud and can be accessed through a mobile application. 3. ENVIRONMENT CONSCIOUSNESS Environment consciousness is enshrined in the mission of the Institute and irrespective of its urban surroundings, the Institute has a lush green campus. Tree plantation is the major concern to maintain the pristine purity and beauty of the institute and provide a congenial atmosphere for academic and non-academic pursuits. Even though no formal green audit is conducted, a lot of dedicated effort is put in to make the campus eco-friendly. There are 25 gardeners to carry out the horticulture work and the Institute has won the best garden award for several years. Informal green audit of the campus is carried out by the staff periodically by supervising the maintenance of the existing trees and locating places for planting new trees. Nurturing plants is one of the non-academic pursuits that develop eco-concern among the students. Efforts are made to make the Institute a polythene-free zone by removing plastic covers periodically from the campus. 4. ENERGY CONSERVATION: The Institute is committed to energy conservation and focuses on measures that help conserve energy. • The energy consumption in the premises is closely monitored by the superintendents. • The notices displayed near the switchboards prevent wastage of energy. • All departments have timer introduced air conditioners • All the motor pumps have a sensor-based switch on and off mechanism. • All incandescent bulbs have been replaced with high efficient CFL and LED bulbs. 5. USE OF RENEWABLE ENERGY: • The installation of 730 kW solar panels has led toa reduction of power bills of up to Rs. 20 lakh per month. • The High-performance computational lab has Solar-powered air-conditioners • Hostels have solar water heaters installed for the hot water supply. • Research groups work on innovative concepts in the area of renewable energy such as solar-powered lights, cookers, dryers and,have received recognition from industrial and agricultural fields. 6. WATER HARVESTING: The Institute has two rainwater harvesting structures for the reuse of rainwater in washrooms and other purposes. A concept of eco-campus incorporating treatment and reuse of greywater, rain-water harvesting is being worked out to manage water usage. 7. EFFORTS FOR CARBON NEUTRALITY: The institute believes in maintaining a pollution-free campus and undertakes several measures to reduce carbon emissions. Various types of trees are planted inside and outside the campus which help maintain the ecosystem and reduce carbon emissions. Planting of saplings by the chief guests of various functions evinces the eco-consciousness inherent in the institute practices. Natural fertilizers are used for gardening on the campus. Circulars are sent through emails for minimizing the use of paper and the Institute is gradually moving

towards a paperless system. The use of vehicles is discouraged inside the campus to maintain a pollution-free campus. 8. WASTE MANAGEMENT The institute encourages the management of waste generated within the campus and conducts regular workshops and seminars on waste disposal, their source, classification as well as pest control. Kitchen waste disposal The Institute practices efficient waste management of kitchen waste from hostel messes and, canteens which serve meals to around 1000 students per day. The cooked and uncooked waste generated from these messesis treated in the waste disposal and management plant set up on the campus and is converted to biogas and manure. The Biogasis used for running kitchen stoves and the manure is used as a fertilizer supplement in gardening. Hazardous waste management The institute has prohibited the use of plastic bags within the campus premises. E-waste management • Electronic goods are put to optimum use, repaired, and reused until completely out of order. The staff and laboratory assistants are well trained to perform minor repairs while professionals are hired for major repairs. • The UPS batteries are recharged/repaired/exchanged by the suppliers. • The obsolete computers and other wastes generated from the electronic equipment are auctioned to authorized e-waste dealers and the hazardous materials are removed and disposed of as per norms. • The Institute in collaboration with the Waste to Energy Research and Technology Council India (WTERT- India), hosted the fourth annual conference on waste management of industrial, construction/demolition, municipal solid,and e-wastesas an uninterrupted resource for recovery of the valuables and energy on November 26 and 27, 2015 at ICT.

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

https://www.ictmumbai.edu.in/uploaded_files/Best_Practices-2017-18.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Established on 1st October 1933 as a Department of Chemical Technology of the University of Mumbai, with a noble intention of advancing India's knowledge reserves in chemical science and technology, the Institute of Chemical Technology has grown to become a premier (deemed) university devoted to education, training, research and industrial collaboration in Chemical Engineering, Chemical Technology, Applied Chemistry, Pharmaceutical Sciences, Biotechnology, and Allied Sciences. It is a vibrant and invigorating institute, a symbiosis of academic excellence, culture, ethos, value systems, and an architect of new and useful knowledge in frontier areas of Chemical Engineering and Technology that is put in industrial practice over the past 84 Years. It is one of the top-performing institutions of the country in terms of Ph.Ds produced/year, refereed publications in reputed international journals, patents, output per faculty, PG/UG Ratio, and cost-effectiveness of its outcome. ICT has shown exceptional performance in curriculum Pedagogy, Technology, Research, Employability, and Institutional Social Responsibility, industry and academic collaborations (national and international). Based on its stellar performance and national and international accolades, the ICT was declared as an Elite Institute and Centre of Excellence by the Government of Maharashtra on 20th April 2012 in the State Assembly, on par with national institutes of importance such as IITs, IISc, and IISERs. This is a unique distinction for a state-owned university of any kind and speaks volumes about the sagacity of the government. The Padma Bhushan (8), Padamshree (8), and Padma Vibhushan (3) awards bestowed by the President of India on the Institutes faculty and alumni speak volumes about the Institutes performance. India has a total of six fellows of Royal Society in Engineering of which two are Chemical

Engineers and both of them are from the ICT: Padma Vibhushan Prof. M.M. Sharma and Padma Vibushan Dr. R.A. Mashelkar. ICT has emerged as the topmost biotech School in India in the 10th Bio Spectrum top BT Schools Survey done in April-May 2013. A survey published by Professor Jude Sommerfeld of Georgia Tech., USA has shown ICT as the number one Institute in India far ahead of several others including IITs, and number four in the world in Chemical Engineering. The Melinda and Bill Gates Foundation USA has awarded FOUR grants to ICT Projects recently which Speaks volumes of ICT's Standings Internationally. The institute promotes Industry academia interaction and has been able to enhance its revenue generation and brand image due to multiple industrial projects. The ICT has produced an average of 4.5 papers per faculty at an average expense of 22 lakhs per faculty in the last couple of years. This is a record for a State-owned institute/university whose performance is exceptionally outstanding. Besides, ICT has filed/acquired 362 patents in the last 10 Years. ICT has produced more than 500 entrepreneurs to date and in a majority of the cases, most of them did not have any family background in business and have created empires out of nothing

Provide the weblink of the institution
https://www.ictmumbai.edu.in/

8.Future Plans of Actions for Next Academic Year

1. Promote faculty to establish national and international collaborations with academic institutes as well as industries in different areas of science and technology through government as well as private funding research opportunities 2. Encourage faculties and students to pursue fundamental and applied research for the benefit of mankind and society. 3. Road map to execute regular functioning of two new campuses at Bhubaneshwar, Odisha Marathwada, Jalna beginning the academic year 18-19 4. Establishment of an incubation Centre at ICT to encourage and promote translational research activities as well start-up initiatives by students 5. Constructional of additional infrastructural facilities with respect to classrooms, buildings, research laboratories to cater to the increasing number of students and faculties 6. To improve the intellectual capital and technology transfer 7. To create a digital platform to maintain smooth functioning of administration as well teaching modules