

1. Name of the Institution

Name - Institute of Chemical Technology, Mumbai-IndianOil Odisha Campus
Bhubaneswar

Address - IIT Kharagpur Extension Centre, Samantapuri Mouza, Gajapati
Nagar, Bhubaneswar, Odisha, 751013

Telephone – 0674-2651700

Email ID – director@iocb.ictmumbai.edu.in

2. Name and address of the Trust/Society/Company and the Trustees

Name – Institute of Chemical Technology

Type of the Organization – Society

Registered with – Assistant Registrar of Societies, Greater Bombay Region

Registration Date – 28/06/2004

Registration No. - 2004/G.B.B.S.D./1023

State – Maharashtra

City – Mumbai

Pin – 400019

Trust Details

Name	Designation
Prof. A.B. Pandit	Chairman
Prof. R.A. Mashelkar	Chairperson
Prof. S.S. Bhagwat	Member
Mrs. Sandra Shroff	Member
Mr. Madhukar B. Parekh	Member
Dr. U. Shekhar	Member
Secretary, Higher and Technical Education	Member
Prof. P.V. Devarajan	Member
Prof. V.G. Gaikar	Member
Shri J.R. Shah	Member
Shri. Nitin Deshmukh	Member
Dr. Abhay Jere	Member

Prof. Manoj Kumar Tiwari	Member
Prof. R.R. Deshmukh	Secretary

3. Name and Address of the Vice Chancellor/Principal/Director

Name of the Director– Prof. (Dr.) Pradeep R. Vavia

Address – Institute of Chemical Technology – IndianOil Odisha Campus
Bhubaneswar IIT Kharagpur Extension Centre, Samantapuri Mouza, Gajapati
Nagar, Bhubaneswar, Odisha, 751013

Telephone – 0674-2651701

Email ID – director@iocb.ictmumbai.edu.in

4. Name of the affiliating University

NA

5. Governance

Members of the Board and their brief background	https://www.ictmumbai.edu.in/uploaded_files/Board.pdf
Members of Academic Advisory Body	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Frequently of the Board Meeting and Academic Advisory Body	https://www.ictmumbai.edu.in/uploaded_files/Minutes%20of%20the%2026th%20meeting%2026-8-2021.pdf
Organizational chart and processes	https://www.ictmumbai.edu.in/uploaded_files/Citizen_Charter ICT Mumbai.pdf
Nature and Extent of involvement of Faculty and Students in academic affairs/improvements	https://www.ictmumbai.edu.in/res_innovation.aspx?sCatid=4
Mechanism/Norms and Procedure for democratic/good Governance	https://www.ictmumbai.edu.in/uploaded_files/ICT-Statutues-Approved-by-GoM.pdf
Student Feedback on Institutional Governance/ Faculty performance	https://www.ictmumbai.edu.in/uploaded_files/SSS_2018-19.zip
Grievance Redressal mechanism for Faculty, Staff and Students	https://www.ictmumbai.edu.in/LodgeComplaint.aspx
Establishment of Anti Ragging Committee	https://iocb.ictmumbai.edu.in/uploaded_files/ICT-IOC_Committee_list_2022_AICTE.pdf
Establishment of Online Grievance Redressal Mechanism	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University	https://iocb.ictmumbai.edu.in/uploaded_files/ICT-IOC_Committee_list_2022_AICTE.pdf

Establishment of Internal Complaint Committee (ICC)	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Establishment of Committee for SC/ST	https://iocb.ictmumbai.edu.in/uploaded_files/ICT-IOC_Committee_list_2022_AICTE.pdf
Internal Quality Assurance Cell	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf

6. Programmes

- Name of Programmes approved by AICTE

Level		Program Name
UG +PG	Integrated M.Tech	Chemical Engineering
PG	M.Tech	Food Engineering and Technology
PG	M.Tech	Pharmaceutical Sciences and Technology
PG	M.Tech	Petrochemical Engineering and Technology

- Name of Programmes Accredited by NBA – NA
- Status of Accreditation of the Courses - NA
- NAAC Accreditation status - NA
- For each Programme the following details are to be given (Preferably in Tabular form):

Name of Programmes	No. of Seats	Duration	Cut off marks/ Rank of Admission						Fee (in Rs.)	
			2021-22		2020-21		2019-20		Open	Reserved
			Open	Reserved	Open	Reserved	Open	Reserved		
Integrated M.Tech (Chemical Engineering)	60	4	98.65	56.15	98.71	95.05	96.21	95.54	76,326/-	48,100/-
M.Tech in Food Engineering and Technology	18	2	42	14	27	11	38	21	70,750/-	70,750/-
M.Tech in Petrochemical Engineering	18	2	37	18	42	12	26	13	70,750/-	70,750/-
M.Tech in Pharmaceutical Sciences and Technology	18	2	18	12	22	11	36	19	70,750/-	70,750/-

Campus placement in last three years with minimum salary, maximum salary and average salary – NA

- Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:

Details of the Foreign University	NA
Name of the University	NA
Address	NA
Website	NA
Accreditation status of the University in its Home Country	NA
Ranking of the University in the Home Country	NA
Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country	NA
Nature of Collaboration	NA
Complete details of payment a student has to make to get the full benefit of Collaboration	NA

- For each Programme Collaborate provide the following:

Programme Focus	NA
Number of seats	NA
Admission Procedure	NA
Fee (as approved by the state government)	NA
Placement Facility	NA
Placement Records for last three years with minimum salary, maximum salary and average salary	NA
Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval	NA

7. Faculty

- Course/Branch wise list Faculty members:

Number of Faculty employed and left during the last three years

SR NO.	NAME	Qualification	DESIGNATION	DEPARTMENT	Nature of Association	Date of Joining
1	Prof. P.R. Vavia	Ph.D.	Professor and Director	Pharmaceutics		01/01/2022
2	Prof. A. V. Patwardhan	Ph.D.	Professor and Deputy Director	Chemical Engineering		
3	Dr. Rambabu Dandela	Ph.D.	Asst. Professor	Chemistry	Permanent	13/10/2018
4	Dr. Ramakanta Naik	Ph.D.	Asst. Professor	Physics	Permanent	22/10/2018
5	Dr. Swagat Mohapatra	Ph.D.	Asst. Professor	Chemistry	UGC-FRP(Permanent)	15/04/2019
6	Dr.Saurabh Patankar	Ph.D.	Asst. Professor	Chemical Engineering	Permanent	15/12/2018
7	Dr. Saikat Bhaumik	Ph.D.	Asst. Professor	Physics	Permanent	27/09/2018
8	Dr. Sonal Ayarkar	Ph.D.	Asst. Professor	Biotechnology	Permanent	05/12/2019
9	Dr. Lisa Roy	Ph.D.	Asst. Professor	Chemistry	Permanent	06/11/2018
10	Dr. Chayan Sarkar	Ph.D.	Asst. Professor	Chemical Engineering	Permanent	16/12/2019
11	Dr. Ritesh Malani	Ph.D.	Asst. Professor	Petrochemical Engineering	Permanent	15/01/2020
12	Dr. Sankha Karmakar	Ph.D.	Asst. Professor	Chemical Engineering	Permanent	02/01/2020
13	Dr. Sanjib Acharya	Ph.D.	Asst. Professor	Mathematics	Permanent	17/09/2018
14	Dr. Ayantika Sett	Ph.D.	Asst. Professor	Chemical Engineering	Permanent	19/12/2019
15	Dr. Abhay Kotkondawar	Ph.D.	Asst. Professor (Contractual)	Chemistry	Contractual	25/05/2021
16	Dr. Ashis Adak	Ph.D.	Asst. Professor (Contractual)	Mathematics	Contractual	10/05/2021
17	Dr. Shivanand Shirkole	Ph.D.	Asst. Professor (Contractual)	Food Engineering and Technology	Contractual	28/04/2021
18	Dr. Sanchari Basu	Ph.D.	Asst. Professor (Contractual)	Petrochemical Engineering	Contractual	01/06/2021

19	Dr. Kruthi Doriya	Ph.D.	Asst. Professor (Contractual)	Chemical Engineering	Contractual	02/06/2021
20	Dr. Sushma Chakraborty	Ph.D.	Asst. Professor (Contractual)	Chemical Engineering	Contractual	06/05/2021
21	Dr. Nabendu B Pramanik	Ph.D.	Asst. Professor (Contractual)	Chemistry	Contractual	12/05/2021

8. Profile of Vice Chancellor/Director/Principal/Faculty

For each Faculty give a page covering with Passport size photograph	https://iocb.ictmumbai.edu.in/emp_profiledetail.aspx?nDeptID=kaiam
Name	
Date of Birth	
Unique ID	
Education Qualifications	

• Work Experience

Teaching	https://iocb.ictmumbai.edu.in/emp_profiledetail.aspx?nDeptID=kaiam
Research	
Industry	
Others	
Area of Specialization	
Courses taught at Diploma/Post Diploma/Under Graduate/Post Graduate Diploma Level	

• Research guidance (Number of Students)

No. of papers Published in National/International Journals/Conference	https://iocb.ictmumbai.edu.in/emp_profiledetail.aspx?nDeptID=kaiam
Master (Completed/Ongoing)	
Ph.D (Completed/Ongoing)	
Projects Carried Out	
Patents (Filed & Granted)	
Technology Transfer	
Research Publications (No. of Papers Published in National/International Journals/Conference)	
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	

9. Fee

Details of Fee, as approved by State Fee Committee, for the Institution	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf
No. of Fee waivers granted with amount and name of students	NA
Number of scholarship offered by the Institution, duration and amount	The ICT supports 251 students under merit-cum-means scholarships. The range is upto Rs. 92,000/ per annum

	per person through several endowments, private trust and annual commitments by alumni. https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf Page No. 280
Criteria for Fee waivers/scholarship	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf
Estimated cost of Boarding and Lodging in Hostels	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf Page No. 292
Any other fee please specify	NA

10. Admission

- Number of seats sanctioned with the year of approval
https://iocb.ictmumbai.edu.in/uploaded_files/EOA_Report_21-22.PDF
- Number of Students admitted under various categories each year in the last three years **Annexure A**
- Number of applications received during last two years for admission under Management Quota and number admitted
No Management Quota

11. Admission Procedure

Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf Page No. 280
Number of seats allotted to different Test Qualified Candidate separately (AIFFE/CET (State conducted test/University tests/CMAT/GPAT)/ Association conducted test etc.)	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf Page No. 280

- **Calendar for admission against Management/vacant seats:**

Last date of request for application	Not Applicable
Last date of submission of applications	
Dates for announcing final results	
Release of admission list (main list and waiting list shall be announced on the same day)	

Date for acceptance by the candidate (time given shall in no case be less than 15 days)	
Last date for closing of admission	
Starting of the Academic session	
The waiting list shall be activated only on the expiry of date of main list	
The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	

12. Criteria and Weightages for Admission

Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf
Mention the minimum Level of acceptance, if any	
Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years	
Display marks scored in Test etc. and in aggregate for all candidates who were admitted	

13. List of Applicants:

List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)	Not Applicable
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14. Results of Admission under Management seats/vacant seats

Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)	Not Applicable
Score of the individual candidate admitted arranged in order or merit	
List of the individual candidate admitted arranged in order or merit	
Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate	

List of the candidate who joined within the date, vacancy position in each category before operation of waiting list	
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15. Information of Infrastructure and Other Resources Available

Number of Class Rooms, Tutorial rooms and size of each

Room Id/Name	Area of Room in sqm
B-Block Room 203	24
B- Block Room 207	54
B-Block Room 302	78
B-Block Room 306	54
C-Block Room 101	39
C-Block Room 104	63
C- Block Room 105	71
C- Block Room 201	39

Number of Laboratories and size of each

Room Id/Name	Area of Room in sqm
B Block Room 103	54
B Block Room 202	78
B Block Room 206	54
C-Block Instrument Area	63.75
C-Block Lab	22.72
C-Block Lab 1	69.22
C-Block Lab 2	61.2
C-Block Lab 3	71.71
C-Block Lab 4	36.57
C-Block Lab 5	25.9
C-Block Lab 6	23.36
C-Block Lab 7	69.04
C-Block Lab 8	33.60

Number of Drawing Halls with capacity of each

Room Id/Name	Area of Room in sqm
B-Block Room 307	74

Number of Computer Centres with capacity of each

Room Id/Name	Area of Room in sqm
B Block Room 105 (IPC LAB)	54

Central Examination Facility, Number of rooms and capacity of each

Room Id/Name	Area of Room in sqm
B-Block Examination Control Office	54

Online examination facility (Number of Nodes, Internet bandwidth, etc.)	IPC computer lab available 100+ PC and 1000+100+74= 1175 mbps internet bandwidth (total 3 Internet lease lines)		
Barrier Free Built Environment for disabled and elderly persons	Yes		
Occupancy Certificate	Yes		
Fire and Safety Certificate	Yes		
Hostel Facilities	Hostel 1	3268	283
	Hostel 2	1818	216
	Hostel 3	1768	129
	Hostel 5	8094	449

- Library**

Number of Library books/Titles/Journals available (Programme-wise)

Programme	Number of Titles	Number of Volumes	Number of Journals Published in India	Number of Journals Published at Abroad	Number of e-Book Titles - PG	Number of e-Book Volumes - UG	Number of e-Book Titles - Diploma
Engineering and Technology	23,935	66,383	18	4,343	516	68	400
Pharmacy	3,484	8,270	4	40	46	0	42

List of online National/International Journals subscribed & E-Library facilities

National Digital Library (NDL) subscription details	Membership No. - INMHNCGYVCVEMXQ
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- **Laboratory and Workshop**

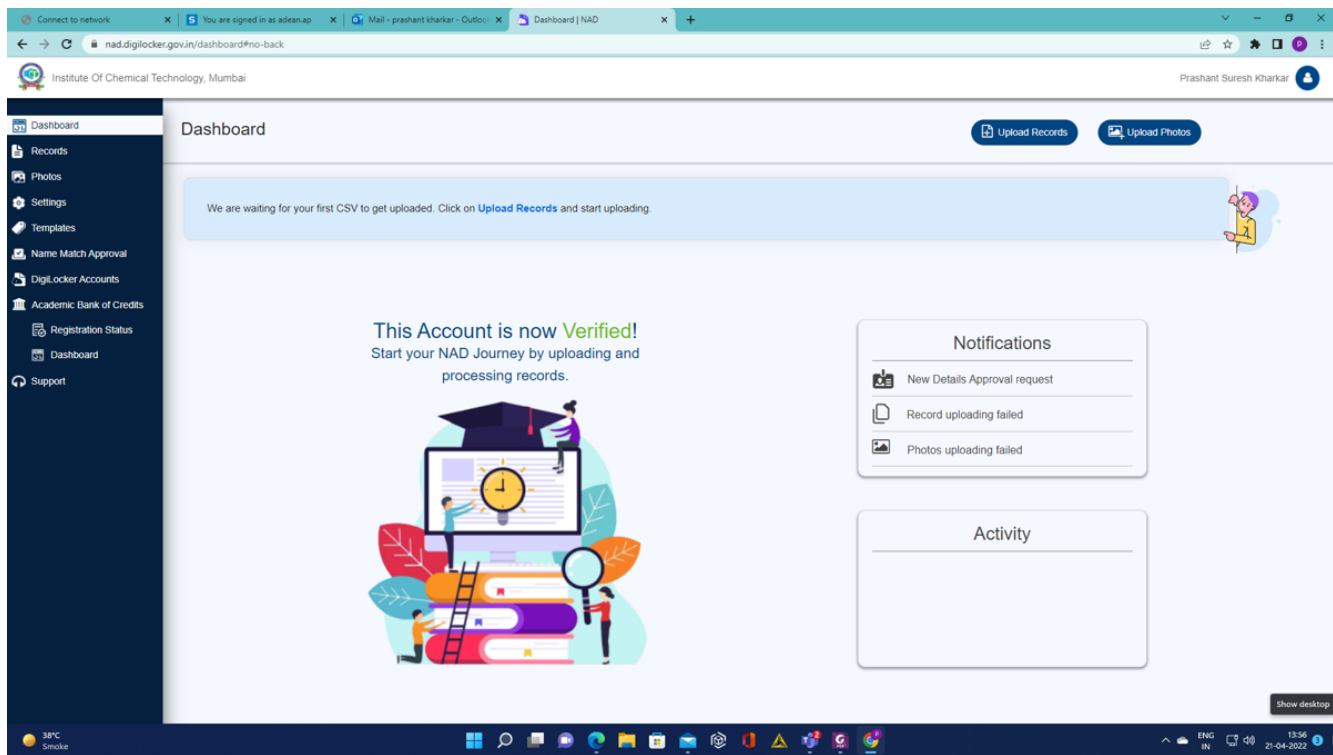
Programme	Department	Level	Name of the Laboratory	Lab / Major Equipment	Building Name	Building Number
ENGINEERING AND TECHNOLOGY	CHEMICAL ENGINEERING	Post Graduate	LABORATORY-1	HPLC, UV Vis Spectrophotometer, GC, Ultrasonic Bath, Densitometer, Reverse Osmosis Plant	C BLOCK	2
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	LABORATORY-2	GC, ICP -MS, AAS, Rheometer, Confocal Microscope, UV-Vis Spectrophotometer	C BLOCK	2
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	LABORATORY-3	HR-MS, HPLC, Ion Chromatography, UV-Vis Spectrophotometer	C BLOCK	2
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	LABORATORY-4	XPS, Surface Area Analyzer, High Speed Centrifuge	C BLOCK	2
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	LABORATORY-5	Computers, Networking, Servers, Firewall, Projector, UPS, AC	C BLOCK	2
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	LABORATORY-6	COMPUTERS	C BLOCK	2
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	WORKSHOP	MILLING, DRILLING MACHINE, LETHE, SHAPING, HECKSAW, WELDING MACHINE	C BLOCK	2

• **Computing Facilities**

Internet Bandwidth	1000+100+75 = 1175 mbps total internet bandwidth (total 3 ILL)
Number and configuration of System	100 + pc in IPC (i7, 16 GB RAM, 1 TB HDD)
Total number of system connected by LAN	LAN users in the all buildings 1000+ and 2 LAN points in each room of Hostel-5
Total number of system connected by WAN	Wireless Network at Hostel No. 1 to 4 (availability 24 x 7) and at most of the part of the main building area, LAN users in the all buildings 1000+ and 2 LAN points in each room of Hostel-5
Major software packages available	<ol style="list-style-type: none"> 1) Microsoft Campus Licensing Agreement (Windows and Server o/s, Office365, SQL Processor Based license) 2) Matlab 2009b - (50 users) 3) Aspen - (1 user Research license) 4) MOE - single user license 5) SolidWorks - (60 users) 6) Ansys CFD - (35 users) 7) Ansys Mechanical - (5 users) 8) Gabbi - Academic - 50 users, professional - 1
Special purpose facilities available (Conduct of online	Zoom subscriptions, Microsoft Teams, Video conferencing, Studio facility, IPC computer lab

Meeting/Webinars/Workshops, etc.)	
Facilities for conduct of Classes/courses in online mode (Theory & Practical)	Zoom subscriptions, Microsoft Teams, Video conferencing, Studio facility, IPC computer lab
Innovation Cell	https://www.ictmumbai.edu.in/uploaded_files/ICT_Innovation_&_Startup_Policy_2020.pdf
Social Media Cell	https://news.ictmumbai.edu.in/UserPanel/NewsDetails.aspx?nEid=q

Compliance of the National Academic Depository (NAD), applicable to PGCM Institutions and University Departments



- **List of facilities available**

Games and Sports Facilities	ICT students avail several sports facilities in the Gymkhana and Sports Pavilion. In the Gymkhana, they play indoor games such as carrom, chess, table tennis and weight-lifting. The Sports Pavilion is equipped with courts for playing box-cricket, lawn tennis, basketball, volleyball, football, badminton and kabbadi.
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Extra-Curricular Activities	The annual sports program named as Sportsaga is very popular among the students.
Soft Skill Development Facilities	A course on Communication Skills is taught to all the First year Under Graduate students.

- **Teaching Learning Process**

Curricula and syllabus for each of the Programmes as approved by the University	https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caamq&ItemID=eaeec https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caams&ItemID=eaeec
Academic Calendar of the University	https://www.ictmumbai.edu.in/uploaded_files/Academic_Calendar_2021-22_10_Nov_2021.pdf
Academic Time Table with the name of the Faculty members handling the Course	https://timetableict.wordpress.com
Teaching Load of each Faculty	https://timetableict.wordpress.com
Internal Continuous Evaluation System and place	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf

- Students' assessment of Faculty, System in place
<https://www.ictmumbai.co.in/>

- **For each Post Graduate Courses give the following:**

Title of the Course	https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caams&ItemID=eaeec
Curricula and Syllabi	

Laboratory facilities exclusive to the Post Graduate Course	Refer Point 15 Laboratory Details.
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- **Special Purpose**

Software, all design tools in case	https://www.ictmumbai.co.in/
Academic Calendar and framework	https://www.ictmumbai.edu.in/uploaded_files/Academic_Calendar_2021-22_10_Nov_2021.pdf

16. Enrolment and placement details of students in the last 3 years

NA

17. List of Research Projects/ Consultancy Works

Number of Projects carried out, funding agency, Grant received	Annexure B
Publication (if any) out of research in last three years out of masters projects	NA
Industry Linkage	NA
MoUs with Industries (minimum 3(10))	NA

18. LoA and subsequent EoA till the current Academic Year

Sr. No.		Link
1.	AICTE EoA 2021-22	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report%202018-19.PDF

19. Accounted audited statement for the last three years

Sr. No.		Link
1.	Financial Statement - 2018-19	https://www.ictmumbai.edu.in/FinanceAccount/ICT%20FINANCIAL%20FY%202018-19.pdf
2.	Financial Statement - 2019-20	https://www.ictmumbai.edu.in/FinanceAccount/FINANCIAL%20STATEMENT%20FOR%20THE%20YEAR%202019-20.pdf
3.	Financial Statement - 2020-21	https://www.ictmumbai.edu.in/FinanceAccount/FINANCIAL%20STATEMENT%20FOR%20THE%20YEAR%202020-21.pdf

20. Best Practices adopted, if any

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 to a 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 messes is treated in the waste disposal and management plant set up on the campus and is converted to biogas and manure. The Biogas is 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-wastes as an uninterrupted resource for recovery of the valuables and energy on November 26 and 27, 2015 at ICT.

Master (ACADEMIC YEAR 2021-2022) PG

SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/NT-A		NT-B		NT-C		NT-D		SBC		PH		EWS		Total		Total Students	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	M.Tech. Food Engineering & Technology	11	1	2	1	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	11
2	M.Tech. Petrochemical Engineering	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	M.Tech. Pharmaceutical Chemistry and Technology	15	1	3	6	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8	15	
Total		26	3	5	1	6	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	14	26	

Master (ACADEMIC YEAR 2019-2021) PG

SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/NT-A		NT-B		NT-C		NT-D		SBC		PH		EWS		Total		Total Students
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M+F
1	Executive M.Tech. Chemical Engineering	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	12
Total																											12

Annexure B – Number of Projects carried out, funding agency, Grant received

Sl. No.	Faculty name (Number of Projects)	Name of Agency	Amount
1	Dr. Lisa Roy (2 Projects)	DST	7 Lakhs
		SERB	15.98 lakhs

2.	Dr. Rambabu Dandela (2 Projects)	DST	23.80 Lakhs
		SERB	10 lakhs
3	Dr. Swagat Mohapatra (1 Project)	Science & Technology Dept, Govt of Odisha	7.66 lakhs
4	Dr. Saikat Bhaumik (2 Projects)	DST	35 lakhs
		SERB	30 lakhs
5	Dr. Sonal Ayakar (1 Project)	Science and Technology Department, Government of Odisha	9.91 lakhs
TOTAL			139.35 Lakhs