



Institute of Chemical Technology, Mumbai

Deemed to be University under Section 3 of UGC Act 1956
Elite Status and Centre of Excellence, Govt. of Maharashtra

BEST PRACTICES IN MY INSTITUTION

BEST PRACTICE #1

1. Title of Practice

Functional Autonomy to all stakeholders

2. The context that required the initiation of the practice

Autonomy to the stakeholders is the foundation of the Institute's success when it is used judiciously by the stakeholders. The faculty members have been given complete freedom for pursuing their research interests, generate and utilize their own funds and be an ambassador outside the Institute to project the vision of the Institute and protect its interests.

3. Objectives of the practice

To practice the sanctioned autonomy for the benefit of the stakeholders, i.e., students, faculty, staff, alumni, and practicing industrialists and society

4. The Practice (250-300 words)

How the autonomy has been exercised to meet all the stakeholders' aspirations has resulted in the increased output with respect to all the measurable parameters.

5. Obstacles faced if any and strategies adopted to overcome them (150 – 200 words)

ICT was given functional autonomy in 2003 under the TEQIP project with financial support from MHRD. This project was expected to lead to a block grant from the State Government, which never happened. We continue to get short-changed for the funds and have to strive to get what we deserve as the Best performing Institute.

6. Impact of the practice

Even since we received autonomy within the University of Mumbai and later under the TEQIP, our growth curve propelled us on an exponential growth curve and finally became the Deemed to be University. The opportunities made available to the faculty, staff, and students specifically under the TEQIP have increased ICT's output many folds. When compared in terms of publications per faculty or per rupee spent, the output is probably the highest in the country. It is a place to serve and a place to live and serve the nation in harmony.

7. Resources required: NA

8. About the Institution

i. Name of the Institution:

Institute of Chemical Technology

iii. Address:

Nathalal Parikh Marg, Matunga, Mumbai

v. E-Mail:

vc@ictmumbai.edu.in

vii. Website

www.ictmumbai.edu.in

ii. Year of Accreditation:

November 2017

iv. Grade awarded by NAAC:

A++

vi. Contact person for further details:

Dean Internal Quality Assurance

Mobile: 09372373309

BEST PRACTICE #2

1. Title of Practice

Quality Education that travels seamlessly to Research and Innovation

2. The context that required the initiation of the practice

The academic audit is a vigorous exercise that has led to a combination of basic sciences and engineering sciences as a curriculum. We have continuously evolved the method of delivering the content and the rational and objective assessment methods

3. Objectives of the practice

Education in ICT has always been at the forefront of the latest developments in the Chemical field in general, including pharmacy. We update the content and the method of assessment every five years by taking a 360-degree review of the process, involving not just the academic or industry experts but also our current students and alumni.

4. The Practice

We continuously review, anticipate, plan and execute the academic content to make our graduates and post-graduates ready for the challenges they would face in the field. ICT is driven by the knowledge created by itself in our own field. Many of the laboratory experiments have been designed by the faculty members and their research students and are built by the staff members.

5. Obstacles faced if any and strategies adopted to overcome them

Space and funding have constrained us. We have to raise funds entirely through research funding and consultancy.

6. Impact of the practice

The basic education seamlessly travels to research, practice schools, and applications in the field. The real-life experience of faculty members in the industry drives this momentum. Every department has been at the forefront of the latest developments in the concerned fields, and thus, students benefit the most from the practice-oriented

training. The vibrant hive of ICT provides healthy interaction amongst the students from different disciplines at all levels and multiplies the synergistic effect.

7. Resources required

The Mumbai campus needs urgent upgradation with additional research areas and residential space for students, particularly for the increasing women population.

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BEST PRACTICE #3

1. Title of Practice

Networking with industry and other organizations

2. The context that required the initiation of the practice

Our alumni in the industry have been the major driving force for the interaction with the industry. The alumni network has remained the strength of ICT, which supports infrastructure development, scholarships to needy students, seed funding to students, internship opportunities, soft skill developments of students and staff, and several other activities

3. Objectives of the practice

ICT encourages excellence at all levels, builds bridges between industry and society, makes the knowledge available to all, and most importantly, builds networking with others. Networking has been the best practice that we have adopted for a long. We have learned quite early that building symbiotic relations adds to our strength, whether with industries or other institutes with complementary expertise.

4. The Practice

We have extended the same culture and helping hand to other educational institutes too. The UGC Resource Centre has been training summer trainees and faculties from other institutes in ICT premises in the chemical engineering department. We have also been taking more than 40 students as summer interns from all over the country, training them about the ICT pattern of self-development. We are also mentoring two institutes under the TEQIP program, which are in the state of Bihar and Odisha.

5. Obstacles faced if any and strategies adopted to overcome them

Our alumni network has been doing its bit, but considering ICT's expansion plans, we do need substantial funding, to the tune of 650 crores over 3 to 5 years, to complete the planned infrastructure development projects

6. Impact of the practice

ICT has signed MoU's with other engineering institutes, industries, and Universities abroad for partnerships. The most significant collaboration has been with the Department of Atomic Energy in the last 15 years. This networking has led to the establishment of the Centre of Chemical Engineering Education and Research with special emphasis on areas of interest to the DAE. And the most recent collaboration has led to the establishment of ICT's Odisha campus with support from Indian Oil Corporation Ltd. The networking practices have led to the ICT to the path of exponential growth.

7. Resources required

Substantial funding, to the tune of 650 crores over 3 to 5 years, to complete the planned infrastructure development projects

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