



INSTITUTE OF CHEMICAL TECHNOLOGY

(University under Section-3 of UGC Act 1956) (formerly UDCT/ UICT, Mumbai)

Elite Status & Centre of Excellence – Government of Maharashtra

Matunga, Mumbai- 400 019, India

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FACULTY RECRUITMENT

Applications are invited in the prescribed form available on Institute of Chemical Technology website www.ictmumbai.edu.in for the following teaching posts to be filled on permanent basis. The online application form can be submitted from June 16, 2017 to July 15, 2017.

Sr. No.	Name of Post	Category				
		Open	SC	ST	VJNT	Total
A – Department of Chemical Engineering						
1.	Professor of Chemical Engineering	-	-	01	-	01
2.	Associate Professor in Chemical Engineering	02	01	01	01	05
3.	Assistant Professor in Chemical Engineering	-	01	01	-	02
Sub Total		02	02	03	01	08
B- Department of Dyestuff Technology						
4.	Associate Professor in Colour Chemistry	-	01	-	-	01
5.	Assistant Professor in Dyestuff Technology	-	01	-	-	01
Sub Total		-	02	-	-	02
C – Department of Fibres and Textiles Processing Technology						
6.	Professor in Fibre Science	-	01	-	-	01
7.	Professor in Textile Chemistry	01	-	-	-	01
8.	Associate Professor in Fiber Science	-	01	-	-	01
9.	Associate Professor in Dyeing and Printing	01	-	-	-	01
Sub Total		02	02	-	-	04
D – Department of Food Engineering and Technology						
10.	Professor in Fermentation Technology	-	01	-	-	01
11.	Associate Professor in Microbiology	01	-	-	-	01
Sub Total		01	01	-	-	02
E – Department of Oils, Oleo chemicals and surfactants Technology						
12.	Professor of Oil Chemistry	-	01	-	-	01
13.	Associate Professor in Chemistry of Oils, Fats & Waxes Technology	01	-	-	-	01
Sub Total		01	01	-	-	02

Sr. No.	Name of Post	Category				
		Open	SC	ST	VJNT	Total
F – Department of Pharmaceutical Sciences and Technology						
14.	Professor of Medicinal Chemistry	01	-	-		01
15.	Associate Professor in Pharmacognosy and Pathochemistry	-	01	-		01
16.	Associate Professor in Pharmaceutical Sciences	-	-	01		01
Sub Total		01	01	01	-	03
G – Department of Polymer and Surface Engineering						
17.	Professor of Paint Technology	01	-	-	-	01
18.	Associate Professor in Polymer Technology	01	-		-	01
19.	Associate Professor in Applied Chemistry	01	-	-	-	01
Sub Total		03	-	-	-	03
H – Department of Chemistry						
20.	Professor of Physical Chemistry	-	01	-	-	01
21.	Associate Professor in Physico-Inorganic Chemistry	-	01	-	-	01
Sub Total		-	02	-	-	02
I – Department of Physics						
22.	Professor of Solid State Physics	-	01	-	-	01
23.	Professor of Applied Physics	01	-	-	-	01
24.	Associate Professor in Physics		01		-	01
25.	Assistant Professor in Physics		01	01	-	02
Sub Total		01	03	01	-	05
J – Department of Mathematics						
26.	Professor of Applied Mathematics	01	-	-	-	01
27.	Associate Professor in Mathematics	-	01	-	-	01
28.	Associate Professor in Applied Mathematics	01	-	-	-	01
Sub Total		02	01	-	-	03
K – Department of General Engineering						
29.	Professor of General Engineering	01	-	-	-	01
30.	Associate Professor in Mechanical Engineering	-	01	-	-	01
31.	Assistant Professor in Mechanical Engineering	-	01	-	-	01
32.	Drawing Office Superintendent (A. P. Level)	-	-	01	-	01
Sub Total		01	02	01	-	04
GRAND TOTAL		14	17	06	01	38

- If the suitable candidates are not found for appointments at higher level during scrutiny / selection process, the interested candidates may be considered for appointment at lower level in same department subjected to the fulfillment of reservation and other criteria as may be applicable and further subjected to the approval of Government of Maharashtra.

- Candidates willing to be considered at lower level appointment against any of the above advertised posts shall apply separately and the same applications shall be considered along with other applications of eligible candidates, directly applying for the lower level posts against this advertisement.

A. Pay scales and other essential and desirable conditions for appointment to above faculty positions -

1. Professor –

Pay scale – Rs. 37400 - 67000 with AGP Rs. 10000
(Minimum pay in Pay Band - Rs. 43,000)

Qualification –

- Ph.D. preceded by UG / PG degree in the relevant branch of engineering / Technology / Pharmacy / Sciences in First class or equivalent CGPA score at either of the level.
and
- Minimum cumulative experience of 15 years in Academics / Research / Industry gained after acquiring Bachelor's Degree, out of which at least 5 years must be at the level of Associate Professor or equivalent grade in Research / Industry.
and
- Should have published minimum 25 research papers after Ph.D. in refereed journals with cumulative impact factor of 50.
and
- Should have guided at least 5 Ph.D. students in the relevant field wherein,
 - * A single guide to 3 master's students in the relevant field shall be considered equivalent to a guide for 1 Ph.D. student.
 - * 1 patent granted in the relevant field as a first investigator or where applicants own student is the first investigator and applicant himself is the co-investigator shall be considered equivalent to guiding 1 Ph.D. student.
 - * Technology Transferred at the commercial scale in the relevant field wherein applicant has major contribution in the development of Technology shall be considered in the ratio of 2:5 as guide to Ph.D. student.

Age Limit – Should not be more than 54 years of age.

2. Associate Professor –

Pay scale – Rs. 37400 - 67000 with AGP Rs. 9000

Qualification –

- Ph.D. preceded by UG / PG degree in the relevant branch of engineering / Technology / Pharmacy / Sciences in First class or equivalent CGPA score at either of the level.
and
- Minimum cumulative experience of 8 years in Academics / Research / Industry gained after acquiring Bachelor's Degree, out of which at least 5 years must be at the level of Assistant Professor or equivalent grade in Research / Industry.
and
- Should have published minimum 15 research papers after Ph.D. in refereed journals with cumulative impact factor of 25.
and
- Should have guided at least 2 Ph.D. students in the relevant field wherein,
 - * A single guide to 3 master's students in the relevant field shall be considered equivalent to a guide for 1 Ph.D. student.

- * 1 patent granted in the relevant field as a first investigator or where applicants own student is the first investigator and applicant himself is the co-investigator shall be considered equivalent to guiding 1 Ph.D. student.
- * Technology Transferred at the commercial scale in the relevant field wherein applicant has major contribution in the development of Technology shall be considered in the ratio of 2:5 as guide to Ph.D. student.

Age Limit – Should not be more than 45 years of age.

3. Assistant Professor –

Pay scale – Rs. 15600 - 39100 with AGP Rs. 6000

Qualification –

- a. Ph.D. preceded by UG / PG degree in the relevant branch of engineering / Technology / Pharmacy / Sciences in First class or equivalent CGPA score at either of the level.

and

Should have published minimum 5 research papers in refereed journals with cumulative impact factor of 10

Age Limit – Should not be more than 35 years of age.

B. Equivalent qualification for the faculty positions in various departments shall be as following :

Sr. No.	Name of Department	Corresponding Course(s) of Engineering / Technology / Pharmacy / Science	Relevant / Appropriate nomenclature of UG degree in Engineering / Technology / Pharmacy / Science	Relevant / Appropriate nomenclature of PG degree in Engineering / Technology / Pharmacy / Science	Relevant / Appropriate Doctoral Degree	
1.	Chemical Engineering	Chemical Engineering	Chemical engineering	Chemical Engineering	Chemical Engineering	
					Chemical Technology	
					Bio Technology	
					Bio Chemical Engineering	
					Bioprocess Technology	
					Bio Engineering	
					Material Science and Technology	
Other relevant field						
2.	Dyestuff Technology	Dyestuff Technology	Dyestuff Technology	Dyestuff Technology	Dyestuff Technology	
		Colour Chemistry			Other relevant field	
3.	Fibres and Textiles Processing Technology	Fibre Science	Fibres And Textiles Processing Technology	Fibres And Textiles Processing Technology	Textile Chemistry	
			Textile Engineering	Textile Engineering	Fibre Chemistry	
			Textile Technology	Textile Technology	Fibre & Textile Processing Technology	
			Textile Chemistry	Textile Chemistry	Fibre Science	
			Fibre Chemistry	Fibre Chemistry	Textile Technology	
			Fibre Science	Fibre Science	Textile Engineering	
					Polymer Science	
					Polymer Technology	
					Organic Chemistry	
					Other Relevant field	
			Textile Chemistry	Textile Chemistry	Textile Chemistry	Textile Chemistry
			Dyeing and Printing	Fibre Chemistry	Fibre Chemistry	Fibre Chemistry
				Fibres And Textiles Processing Technology	Fibres And Textiles Processing Technology	Fibre & Textile Processing Technology
	Fibre Science	Fibre Science	Fibre Science			
			Other Relevant field			

4.	Food Engineering and Technology	Fermentation Technology	Food Technology	Food Technology	Food Technology		
					Fermentation Technology		
					Bio Chemical Engineering		
		Micro Biology	Micro Biology	Micro Biology	Micro Biology	Micro Biology	
						Bio Technology	
Molecular Biology							
Other Relevant field							
5.	Oils, Oleochemicals and surfactants Technology	Oil Chemistry	Oil Technology	Oil Technology	Oils, Fats & Waxes Technology		
					Chemistry of oils, Fats & Waxes Technology	Oils, Oleochemicals And Surfactants Technology	Oils, Oleochemicals And Surfactants Technology
		Surfactants Technology	Oils, Fats & Waxes Technology	Oils, Fats & Waxes Technology		Surfactants Technology	
			Surfactants Technology	Surfactants Technology	Other Relevant Field		
6.	Pharmaceutical Sciences and Technology	Medicinal Chemistry	Pharmacy	Pharmaceutical Technology	Pharmaceutical Chemistry		
					Pharmaceuticals & Fine Chemicals	Medicinal Chemistry	
					Pharmaceutical Chemistry & Technology	Other Relevant field	
		Pharmacognosy & Pathochemistry	Pharmacy	Pharmacy	Pharmacy	Pharmacognosy	
						Pharmacognosy	Medicinal Natural Products
						Medicinal Natural Products	Other Relevant field
		Pharmaceutical Sciences	Pharmaceutical Chemistry & Technology,	Pharmaceutical Chemistry & Technology,	Pharmaceutical Chemistry & Technology,	Pharmaceutical Analysis	
						Pharmaceutical & fine Chemicals	Quality Assurance
						Pharmaceutical Technology	Pharmaceutical Chemistry
						Pharmaceutical Analysis	Other Relevant fields
7.	Polymer and Surface Engineering	Paint Technology	Plastics Technology	Plastics Technology	Plastics Technology		
					Polymer Technology	Polymer Technology	Polymer Technology
		Applied Chemistry	Plastics Engineering	Plastics Engineering	Plastics Engineering	Plastics Engineering	
						Polymer Engineering	Polymer Engineering
						Paint Technology	Paint Technology
						Surface Coating Technology	Surface Coating Technology
8.	Chemistry	Physical Chemistry	Chemistry	Chemistry	Chemistry		
					Physical Chemistry	Other Relevant field	
		Physico-inorganic Chemistry	Chemistry	Chemistry	Chemistry	Inorganic Chemistry	
						Physical Chemistry	Physical Chemistry
						Inorganic Chemistry	Other relevant field
9.	Physics	Physics	Physics	Physics	Physics		
					Solid State Physics	Other Relevant field	
					Applied Physics		
10.	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics		
					Applied Mathematics	Other Relevant field	

11.	General Engineering	General Engineering	Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	
			Production Engineering	Production Engineering	Production Engineering	
			Civil Engineering	Civil Engineering	Civil Engineering	
			Electrical Engineering	Electrical Engineering	Electrical Engineering	
				Plastic Engineering	Plastic Engineering	
				Plastic Technology	Plastic Technology	
				Polymer Engineering	Polymer Engineering	
				Polymer Technology	Polymer Technology	
				Electronics	Electronics	
					Other Relevant field	
		Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	
		Drawing	Production Engineering	Production Engineering	Production Engineering	
			Chemical Plant Technology	Chemical Plant Technology	Civil Engineering	
			Machine Tool Engineering	Machine Tool Engineering	Electrical Engineering	
			Automobile Engineering	Automobile Engineering	Plastic Engineering	
			Material Science and Metallurgy Engineering	Material Science and Metallurgy Engineering	Material Science and Metallurgy Engineering	Plastic Technology
				Plastic Engineering and Technology	Plastic Engineering and Technology	Polymer Engineering
				Polymer Engineering and Technology	Polymer Engineering and Technology	Polymer Technology
						Electronics
				Other Relevant field		

Instructions:

1. The educational qualifications prescribed for a given post are the minimum and mere possession of the same shall not entitle a candidate to be called for an interview.
2. Candidates who do not have formal Master's degree but have earned their Ph.D. (integrated) directly after Bachelor's degree shall be evaluated through the course credits earned during their doctoral work.
3. If a Class/ Division is not awarded at the Bachelor's/ Master's level, a minimum of 60% marks in aggregate shall be considered equivalent to First class/ division. If a Grade Point system is adopted, the CGPA will be converted into equivalent marks.
4. Co-guideship for Ph. D / Masters Students shall not be considered for calculating equivalence as PH. D. guide.
5. The period of time taken by candidate to acquire M.Phil. and / or Ph.D. Degree shall not be considered as teaching/ research experience to be claimed for appointment to the teaching positions.
6. The publications based on the independent or guided research work during the qualifying service in the lower grade or those emanating from post-doctoral work in reputed academic/ research institute shall only be considered for calculation of merit. Applicant's own doctorate publications will not be considered except at Assistant Professor level.
7. Only those publications will be considered for calculation of impact factor where the applicant is the author for correspondence (Main author) or where at least one of the co- authors is his / her own student under supervision.
8. In case of candidates who have guided Ph.D.s/ Masters students, there should be publications/ patents arising out of the Ph.D. thesis in refereed national/ international journals. Merely guiding or co-guiding Ph.D. will not gain any weightage in the absence of publications.

9. The research papers published in cited research journals of repute in the relevant scientific areas shall only be considered for giving due merit.
10. The quality and impact factor of the journal for a specific discipline will be decided by the Scrutiny Committee and a cumulative impact factor for that discipline shall be as reported on Scopus and Web of Science.
11. In case of multiple author papers, or multi-institutional collaborations, the contribution of the candidate will be decided as per the status of the candidate whether s/he has worked as corresponding author/ supervisor, co-author or one of the students.
12. Assessment of Analytical ability test will be conducted for every candidate who is called for interview.
13. The short-listed candidates will be required to make three types of presentations before the Departmental Committee prior to interview by the Selection Committee:
 - 1) Classroom teaching,
 - 2) Past research and future research interests and
 - 3) Plans for out-reach activities.

The performance in these presentations along with analytical ability result will be one of the major criteria for selection of the candidate for faculty position.

Important points to note before filling up the Application Form:

1. Online application form is available on the ICT website www.ictmumbai.edu.in from June 16, 2017 to July 15, 2017. The Candidates are required to submit online application form along with supporting documents **on or before July 15, 2017**.
2. The application fee of Rs.1000/- (for Open Category) and Rs. 500/- (for candidates belonging to reserved categories of State of Maharashtra), shall be paid online while submitting the form.
3. Candidates already employed must submit their applications through proper channel along with No Objection certificate from present employer.
4. Applications incomplete in any respect, applications without required supporting documents or those submitted after the last date of receipt of application will not be considered.
5. Candidates are requested to refer ICT website from time to time as all information and circulars will be notified on the website.
6. As per the Notification No. SRV.2000/CR (17/2000) XII, dated 28th March 2005 issued by General Administration Department, Mantralaya, Mumbai, a candidate shall submit the declaration of the small family in the prescribed proforma attached to the application form.
7. For reserved posts, candidates belonging to the concerned reserved category only should apply.
8. Candidates belonging to the reserved categories as recognized in the state of Maharashtra shall only be considered under reserved categories. The candidate belonging to the reserved categories from outside the State of Maharashtra will be treated as Open.
9. 3% of the Reservation shall be applicable to the disabled persons having minimum of 40% disability as per GR NYP 2011/P.K. 129, Sudhar -3 dt. 4th August 2011, subject to availability/ suitability.

10. Teaching Experience as an approved teacher by the related University or equivalent authority will only be considered. Relevant experience and educational qualification will be counted as on the last date prescribed for submitting the applications, i.e. July 15, 2017.
11. The decision of the appointing authority will be final and binding on applicants and no correspondence in this regard will be entertained.
12. No correspondence with ineligible candidates will be made.
13. Candidates called for interview will have to remain present at their own expenses.
14. Candidates should invariably fill the information regarding court cases, pending criminal cases, disciplinary actions or equivalent, etc. in the relevant column of the application Form. In such cases, the Scrutiny Committee reserves the right to consider or not to consider the candidature for the recruitment. Any changes in this information as and when occurred after the submission of application form till the date of selection committee meeting for recruitment process should be brought to the notice of the Institute by the candidate, failing which the Institute reserves the right to cancel the candidature and to debar him/her from selection or after selection.
15. A person appointed to the post shall be on probation for a period of one year.
16. This is a rolling advertisement. After the current faculty recruitment process is over, the vacancies will be indicated on the ICT website and the process will continue till all the posts are filled up.
17. Candidates must upload the attested photocopies of the following supporting documents
 - a. Documents for administrative scrutiny –**
 1. Document in support of Date of Birth.
 2. Copy of Government Gazette or any other appropriate certificate in case of change in name.
 3. Small family declaration form in the given format with application form.
 4. No objection certificate from present employer.
 5. Caste certificate issued by the component authority if candidate belongs to any of the reserved category, namely, SC/ ST/ DT NT-A/ NT-B/ NT-C/ NT-D/ OBC/ SBC.
 6. Caste Validity Certificate/commitment to submit it within six months from the date of appointment order.
 7. Non creamy layer certificate for the candidate belonging to the DT NT-A, NT-B, NT-C, NT-D, OBC and SBC categories, issued by the component authority.
 - b. Documents for Academics scrutiny –**
 1. Photo copies of marksheets and certificates supporting the educational qualifications from SSC onwards.
 2. Photo copies of University approval letters in case of teachers appointed in Colleges/ Institutions.
 3. Photo copies of Appointment orders and joining letters.
 4. Photo copies of Certificate of teaching experience and/ or post doctoral research.
 5. All related document to prove claims with regard to guideship for Ph.D./M.Tech Students, certificate courses, refresher courses, additional qualifications, publications, research papers, patents and commercial technologies.

c. Required additional submissions -

All candidates are required to submit the following documents in addition to the above mentioned essential documents along with their application.

1. Research statement and strength of research and its relevance to existing areas or emerging areas related to the activities of the ICT.
2. Teaching statement with regard to the course/subjects that the candidate would like to teach with respect to the following:
 - i. Undergraduate Courses
 - ii. Postgraduate Courses
 - iii. New Courses related to personal expertise to be taught at Ph.D. level.
 - iv. Interdisciplinary courses
3. Brief abstract of one or two research proposals to be submitted to funding agencies.
4. Type of in-house activities the candidate would like to undertake and also extra mural activities.
5. Type of teaching methodology to be adopted.
6. Types of industries where the candidate's research will have connectivity including names of some of them for industry - institute collaborations.
7. Whether interested in developing a new area of research based on his/ her exposure as Post- doctoral fellow or industrial experience or the like.

- **All the original certificates must be produced at the time of Interview.**