



# 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](http://www.ictmumbai.edu.in) for the following teaching posts to be filled on permanent basis. The online application form can be submitted from 11 February, 2019 to 10<sup>th</sup> March, 2019

Sr. No.	Name of Post	Category				
		General	SC	ST	VJNT	Total
<b>A – Department of Chemical Engineering</b>						
1.	Professor of Chemical Engineering	-	-	01	-	01
2.	Associate Professor in Chemical Engineering	-	01	01	01	03
3.	Assistant Professor in Chemical Engineering	01	-	01	01	03
<b>Sub Total</b>		<b>01</b>	<b>01</b>	<b>03</b>	<b>02</b>	<b>07</b>
<b>B- Department of Dyestuff Technology</b>						
4.	Professor of Dyestuff Technology	01	-	-	-	01
5.	Associate Professor in Colour Chemistry	-	01	-	-	01
6.	Assistant Professor in Dyestuff Technology	-	01	-	-	01
<b>Sub Total</b>		<b>01</b>	<b>02</b>	-	-	<b>03</b>
<b>C – Department of Fibres and Textiles Processing Technology</b>						
7.	Professor in Fibre Science	-	01	-	-	01
8.	Professor in Textile Chemistry	01	-	-	-	01
9.	Associate Professor in Fiber Science	-	01	-	-	01
10.	Associate Professor in Dyeing and Printing	01	-	-	-	01
<b>Sub Total</b>		<b>02</b>	<b>02</b>	-	-	<b>04</b>
<b>D – Department of Food Engineering and Technology</b>						
11.	Professor in Fermentation Technology	-	01	-	-	01
12.	Associate Professor in Microbiology	01	-	-	-	01
<b>Sub Total</b>		<b>01</b>	<b>01</b>	-	-	<b>02</b>
<b>E – Department of Oils, Oleo chemicals and surfactants Technology</b>						
13.	Professor of Oil Chemistry	-	01	-	-	01
14.	Associate Professor in Chemistry of Oils, Fats & Waxes Technology	01	-	-	-	01
<b>Sub Total</b>		<b>01</b>	<b>01</b>	-	-	<b>02</b>

Sr. No.	Name of Post	Category				
		General	SC	ST	VJNT	Total
<b>F – Department of Pharmaceutical Sciences and Technology</b>						
15.	Professor of Medicinal Chemistry	01	-	-	-	01
16.	Associate Professor in Pharmaceutical Technology	01	-	-	-	01
17.	Associate Professor in Pharmacognosy and Pathochemistry	-	01	-	-	01
18.	Associate Professor in Pharmaceutical Sciences	-	-	01	-	01
<b>Sub Total</b>		<b>02</b>	<b>01</b>	<b>01</b>	<b>-</b>	<b>04</b>
<b>G – Department of Polymer and Surface Engineering</b>						
19.	Professor of Paint Technology	01	-	-	-	01
20.	Assistant Professor in Technology of Plastic and Paint	01	-	-	-	01
21.	Assistant Professor in Technology of Plastic and PPV	01	-	-	-	01
<b>Sub Total</b>		<b>03</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>03</b>
<b>H – Department of Chemistry</b>						
22.	Professor of Physical Chemistry	-	01	-	-	01
23.	Associate Professor in Physico-Inorganic Chemistry	-	01	-	-	01
<b>Sub Total</b>		<b>-</b>	<b>02</b>	<b>-</b>	<b>-</b>	<b>02</b>
<b>I – Department of Physics</b>						
24.	Professor of Solid State Physics	-	01	-	-	01
25.	Professor of Applied Physics	01	-	-	-	01
26.	Associate Professor in Physics	-	01	-	-	01
<b>Sub Total</b>		<b>01</b>	<b>02</b>	<b>-</b>	<b>-</b>	<b>03</b>
<b>J – Department of General Engineering</b>						
27.	Professor of General Engineering	01	-	-	-	01
28.	Associate Professor in Mechanical Engineering	-	01	-	-	01
29.	Assistant Professor in Mechanical Engineering	-	01	-	-	01
30.	Drawing Office Superintendent (Assistant Professor Level)	-	-	01	-	01
<b>Sub Total</b>		<b>01</b>	<b>02</b>	<b>01</b>	<b>-</b>	<b>04</b>
<b>GRAND TOTAL</b>		<b>13</b>	<b>14</b>	<b>05</b>	<b>02</b>	<b>34</b>

- 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 –**

- 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
- b. 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
- c. i. should have published minimum 25 research papers after Ph.D. in refereed journals with cumulative impact factor of 50.  
or  
ii. Candidates claiming the cumulative experience only from industries should have independent involvement for at least 5 years in the field of quality up-gradation, quality assurance and ensuring various national level certifications for industrial production processes.  
and
- d. 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.

Note – The candidates claiming cumulative experience only from industries shall be exempted from the 'd' above subjected to the condition that they should have ample documentary evidence of their involvement in project implementation or as industry experts / external examiner / research project reviewer with academics institutes of repute at the Master's / Ph.D. level for atleast 5 years and must have working experience in the implementation of commercialization process of Developed Technologies at the industrial level.

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

**2. Associate Professor –**

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

**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
- b. 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
- c. i. Should have published minimum 15 research papers after Ph.D. in refereed journals with cumulative impact factor of 25.  
and
- d. 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.

Note - The candidates claiming cumulative experience only from industries shall be exempted from the 'c' and 'd' above subjected to the condition that they should have ample documentary evidence of their involvement in project implementation or as industry experts / external examiner / research project reviewer/ with academics institutes of repute at the Master's / Ph.D. level for atleast 3 years and must have working experience in the implementation of commercialization process of developed technologies at the International level.

**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	
						Other Relevant field
			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, 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	Pharmacognosy
					Pharmacognosy	Medicinal Natural Products
					Medicinal Natural Products	Other Relevant field
			Pharmaceutical Sciences	Pharmaceutical Chemistry & Technology, Pharmaceutical & fine Chemicals	Pharmaceutical Chemistry & Technology,	Pharmaceutical Chemistry & Technology
					Pharmaceutical Technology	Pharmaceutical Analysis
					Pharmaceutical Analysis	Quality Assurance
					Quality Assurance	Pharmaceutical Chemistry
					Pharmaceutical Chemistry	Other Relevant fields
		7.	Polymer and Surface Engineering	Paint Technology	Plastics Technology	Plastics Technology
Polymer Technology	Polymer Technology			Polymer Technology	Polymer Technology	
Applied Chemistry	Plastics Engineering			Plastics Engineering	Plastics Engineering	
	Polymer Engineering			Polymer Engineering	Polymer Engineering	
Paint Technology	Paint Technology			Paint Technology		
Surface Coating Technology	Surface Coating Technology			Surface Coating Technology		
					Other Relevant field	

8.	Chemistry	Physical Chemistry	Chemistry	Chemistry	Chemistry
			Physical Chemistry	Physical Chemistry	Other Relevant field
		Physico-inorganic Chemistry	Chemistry	Chemistry	Inorganic Chemistry
			Physical Chemistry	Physical Chemistry	Physical Chemistry
	Inorganic Chemistry	Inorganic Chemistry	Other relevant field		
9.	Physics	Physics	Physics	Physics	Physics
		Solid State Physics			Other Relevant field
		Applied Physics			
10.	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 Engineering and Technology	Plastic Engineering and Technology			Polymer Engineering	
Polymer Engineering and Technology	Polymer Engineering and Technology		Polymer Technology		
	Electronics		Electronics		
	Other Relevant field	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 peer reviewed 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](http://www.ictmumbai.edu.in) from 11 February, 2019 to 10<sup>th</sup> March, 2019. The Candidates are required to submit online application form along with supporting documents **on or before 10<sup>th</sup> March, 2019**.
2. The application fee of Rs.1000/- (for General 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 28<sup>th</sup> 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. 4<sup>th</sup> August 2011, subject to availability/ suitability.
10. The age of the candidate as on 11<sup>th</sup> February, 2019
11. 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. **10<sup>th</sup> March, 2019**.
12. The decision of the appointing authority will be final and binding on applicants and no correspondence in this regard will be entertained.
13. No correspondence with ineligible candidates will be made.
14. Candidates called for interview will have to remain present at their own expenses.
15. 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.
16. A person appointed to the post shall be on probation for a period of one year.
17. 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.
18. 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.**

**Registrar**