



INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI

Category I Deemed-to-be-University, Elite Status & Centre of Excellence – Govt. of Maharashtra
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NAAC: A++, CGPA:3.77/4.00; NIRF 2018: Engineering: 10, Pharmacy: 4, University: 19, Overall:30

• MUMBAI

• IOC BHUBANESWAR

• MARATHWADA JALANA

FACULTY RECRUITMENT

In pursuant to the advertisement in several dailies across India on 7th July 2018, applications are invited **ONLINE**([click here](#)) from well qualified and experienced candidates for a number of faculty positions at different levels for the two new campuses of ICT Mumbai at Bhubaneswar and Jalna. The advertisement for enrolment of students for various programmes has already begun. These are innovative programmes which are introduced in India for the first time. ICT Mumbai, established as UDCT (of University of Bombay) on October 1, 1933, has a rich history of academic excellence, industrial connectivity, research and innovation, and a galaxy of distinguished alumni spread all over the world. ICT has produced 19 Padma awardees (3 Padma Vibhushan, 8 Padma Bhushan and 8 Padmashri) and over 500 entrepreneurs who contribute to Indian exchequer over billions of dollars and the student fraternity has come from across the country and from all strata.

ICT desires to be among top 100 in next 10-15 years with a faculty strength of 500 and student strength of 5000 as well as several Centres of Excellence on three campuses. Research facilities will be made available from the beginning at the new campuses and industries will be invited to partner in these programmes. Obviously the quality of faculty, their qualifications and experience will matter a great deal to be complimented by quality of students. The faculty from the Main Campus in Mumbai will mentor the newly recruited as well as spend time at these locations to integrate them. Being Category I institute, ICT will go beyond many conventional ideas and thus will continue to attract faculty with varied background and experience through rolling advertisements including adjunct faculty, visiting faculty, foreign faculty and those from industry on sabbatical. At these two new campuses, there will be no conventional departments but Centres of Excellence. We will look at the following while recruiting faculty.

1. Passion for teaching and commitment to institute building
2. Innovative and multi-disciplinary research interest.
3. Mentoring young students and promoting team spirit
4. Desire to work with industry and solving local problems with global outlook.
5. Research projects already ready to be submitted for funding.
6. Multi-disciplinary teaching interest.

Because the programmes are trimester based, faculty will have one term fully available to devote for research and/or industrial sabbatical if so desired. Each faculty member will be provided with a Ph.D. fellow and be encouraged to get projects from industry.

The following are the programmes at the two campuses to suggest the type of faculty required.

IndianOil Odisha Campus, Bhubaneswar	Marathwada Jalna
1. M. Tech. (15 trimester, 5 year programmes after 12 th /10+2 years with alternate term in industry/research lab)	1. M. Tech. (15 trimester, 5 year programmes after 12 th /10+2 years with alternate term in industry/research lab)
<i>Major degree: Chemical Engineering</i>	<i>Major degree: Chemical Engineering</i>
<i>Minor degrees:</i>	<i>Minor degrees:</i>
i) Petrochemicals	i) Petrochemicals
ii) Polymers and Materials	ii) Polymers and Materials
iii) Textiles	iii) Lipids
iv) Pharmaceuticals	iv) Pharmaceuticals
v) Energy Engineering	v) Energy Engineering
vi) Food	vi) Food
2. Executive M. Tech. (6 trimesters, 2 year programme for executives having 8 years experience; every alternate term will be in parent industry and 3 terms in classroom)	2. Executive M. Tech. (6 trimesters, 2 year programme for executives having 8 years experience; every alternate term will be in parent industry and 3 terms in classroom)
a) Thesis component related to industry to be started in first semester	a) Thesis component related to industry to be started in first trimester
b) One year away term, one year parent industry term monitored by Research Guide	b) One year away term, one year parent industry term monitored by Research Guide
c) IIT Kharagpur shall be partner Institute	
3. Ph. D. Degree programmes in all branches of science and engineering as the Main Campus	4. Ph. D. Degree programmes in all branches of science and engineering as the Main Campus
IIT Kharagpur will also partner in Ph D. programmes depending on research interest.	

Interested candidates can now be able to understand the requirements of these innovative programmes. We are looking for exceptional faculty or those having potential of the following type:

1. DST INSPIRE Faculty/ Ramanujan/ Ramalingaswamy Fellows
2. Fresh recruitment with minimum 2-years post-doctoral experience abroad and/or in industry
3. Existing UGC Faculty Recharge appointees wanting to change place of work in consultation with UGC.
4. Superannuated eminent scientists and academicians from renowned institutes and universities having excellent track record as teachers and researchers, not a luxury but commitment. Pay minus pension scheme.
5. Superannuated Fellows of national academies with excellent track record.

6. In exceptional cases, retirement age will be extended to 70.
7. Cross disciplinary approach. No consideration for basic degree if research is in related the above areas.
8. International faculty appointments for short term.
9. Visiting or adjunct faculty from local industries and academia with minimum appointment of 3 years for specialized courses related to Communication, Industrial Management, Law and IPR. They need not apply online but should write separately to the email address given above.
10. Candidates from industry will be considered from a different perspective such as their patent portfolio, technology development, level of experience and contribution to the growth of industry in lieu of research publications and Ph.D. guidance. Additional positions will be created to support the industry related liaison and placement.

The new courses, including electives, which will be introduced at Executive M. Tech. and Integrated M. Tech. would include:

1. Research and Innovation Methodology
2. Technology, Society and Law
3. Ethics and Industrial Practices
4. Chemical Safety and Risk Management
5. Intellectual Property Rights, Valuation and Management
6. Sustainability Engineering
7. Alternate Energy Resources
8. Environment Protection and Law
9. Materials Management
10. Waste Management and Utilisation
11. Perspectives of Global Industry
12. Finance and Profit Management
13. Systems Engineering
14. Artificial Intelligence and Chemical Process Industry
15. Electives specific to industry of the candidate

The online application form is available at www.ictmumbai.edu.in for both campuses from July 9, 2018 to July 20, 2018. This is a rolling advertisement which will be opened at the end of every month depending on availability of positions. Kindly note that these are initial appointments and the Search-Cum-Selection Committee reserves all the rights to identify and consider candidates for a given post. *Candidate based abroad or those who cannot attend interview for valid reasons will be interviewed through video conferencing or other suitable distance mode.*

The candidates will report to the Campus Director who in turn will report to the Vice Chancellor.

For both the campuses equal number of positions is being created. In all 26 positions are opened now.

Sr. No.	Name of Post	Number of posts
1.	Director	01
A. Chemical Engineering		
2.	Professor of Chemical Engineering	01
3.	Associate Professor of Chemical Engineering	02
4.	Assistant Professor of Biological Engineering and Biotechnology	01
		04
B. Industrial and Engineering Chemistry		
5.	Associate Professor of Industrial and Engineering Chemistry	01
6.	Assistant Professor of Chemistry	01
		Sub Total
		02
C – Engineering Physics		
7.	Associate Professor of Engineering Physics	01
8.	Assistant Professor of Materials Physics	01
		Sub Total
		02
D – Engineering Mathematics		
9.	Associate Professor of Engineering Mathematics	01
10.	Assistant Professor in Engineering Mathematics and Computer Science	01
		Sub Total
		02
E. Advanced Instrumentation		
9.	Assistant Professor for Analytical Sciences	01
		Sub Total
		01
F. Industry liaison and Placement Center		
10.	Associate Dean (Industry)	01
		Sub Total
		01
		GRAND TOTAL
		13

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

1. Director –

Pay scale –Rs. 37400 - 67000 with AGP Rs. 12000
(Minimum pay in Pay Band - Rs. 43,000)

Qualification –

- a. Ph.D. preceded by UG / PG degree in Chemical Engineering / Chemical Technology/ Pharmacy/ Food Technology/ Textile Engineering/ Energy Engineering/ Petrochemical Engineering in First class or equivalent CGPA score at either of the level.

and

b. Minimum cumulative experience of 20 years in Academics / Research / Industry gained after acquiring Bachelor's Degree, out of which at least 8 years must be at the level of Professor or equivalent grade in Research / Industry or in Academic administration of Engineering degree level institute / University.

and

c. Should have published minimum 100 research papers after Ph.D. in refereed journals with cumulative impact factor of 100.

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.

Age Limit – Should not be more than 62 years of age which may be relaxed up to 68 years for retired/ on the verge of retirement Distinguished Professors, Fellows of National Academy, G/ H level Eminent Scientists from Government Laboratories such as CSIR, DRDO and the like having excellent credentials, desire to shoulder mentorship and deliver at highest level.

2. **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. Should have published minimum 50 research papers after Ph.D. in refereed journals with cumulative impact factor of 80 wherein 10 years or more experience at equivalent level of Associate Professor in Industry/ Government Laboratories of high repute shall be considered equivalent to 25 Research papers having cumulative impact factor 50.

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.

Age Limit – Should not be more than 60 years of age which may be relaxed up to 68 years for retired/ on the verge of retirement Distinguished Professors, Fellows of National Academy, G/ H level Eminent Scientist from Government Laboratories such as CSIR, DRDO and like having excellent credentials, desire to shoulder mentorship and deliver at highest level.

3. 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. Should have published minimum 25 research papers after Ph.D. in refereed journals with cumulative impact factor of 50 wherein 5 years or more experience at equivalent level of Assistant Professor in Industry/ Government Laboratories of high repute shall be considered equivalent to 15 Research papers having cumulative impact factor 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.

e. Deserving DST Inspire faculty/ UGC Recharge faculty/ Ramanujan Fellows/ Ramalingaswami Fellows shall be considered for appointment with due weightage.

Note- Criteria under C and D above can be relaxed for appointment in Mathematics for exceptional candidates having excellent academic record and zeal to excel.

Age Limit – Should not be more than 55 years of age.

4. 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

- b. Deserving DST Inspire faculty/ UGC Recharge faculty/ Ramanujan Fellows/ Ramalingaswami Fellows shall be considered for appointment with due weightage.

Age Limit – Should not be more than 40 years of age.

5. Associate Dean (Industry) for Industry Liaison and Placements-

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

Qualification –

- a. Masters degree in Chemistry/ Chemical Engineering / Chemical Technology/ Pharmacy/ Food Technology/ Textile Engineering/ Energy Engineering/ Petrochemical Engineering in First class or equivalent CGPA score at either Bachelor or Master level

and

Masters of Business Administration or equivalent preferably in Marketing in first class will be desirable but not necessary.

- f. Minimum cumulative experience of 20 years in Industry gained after acquiring Bachelor's Degree, out of which at least 5 years must be at the level of General Manager or equivalent grade in highly reputed industry and in the field of sales and Marketing.

Age Limit – Should not be more than 60 years of age.

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

Sr. No.	Discipline	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 / Technology/ Biological 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.	Industrial and Engineering Chemistry	Chemistry	Chemistry	Chemistry	Chemistry
		Physical Chemistry	Physical Chemistry	Physical Chemistry	Physical Chemistry
		Inorganic Chemistry	Inorganic Chemistry	Inorganic Chemistry	Inorganic Chemistry
		Organic Chemistry	Organic Chemistry	Organic Chemistry	Organic Chemistry
					All branches of Chemistry
3.	Engineering Physics	Physics	Physics	Physics	Physics
					Materials and relevant field
4.	Engineering Mathematics and Computer Science	Mathematics	Mathematics	Mathematics	Mathematics
		Applied Mathematics			Applied Maths/Engineering Mathematics/Computer Science Other Relevant field

Instructions:

1. Nominated candidates by Eminent Academicians such as Vice Chancellors/ Directors of Institute of national Importance etc. and Eminent Scientist shall also be considered for appointment subjected to successful interview.
2. Current faculty members of ICT Mumbai are eligible to apply or show their interest in writing to the Vice Chancellor and assume new responsibility. They need not fill in the application but should complete their database in the MIS. They will be provided additional incentive like IITs to accommodate research needs and guide or co-guide students working on those campuses. They can also go there for a trimester with their entire research group without losing any academic advantages.
3. Ph.D. and post-doctoral experience of any type for a given post are minimum and mere possession of the same shall not entitle a candidate to be called for an interview. Since the programmes are multi-disciplinary the Search-cum-Selection Committee will consider the relevance of basic qualification and research experience and the potential of the candidate to develop the new programmes and participate in brand building.
4. 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.
5. Co-Guide ship for Ph. D / Masters Students shall not be considered for calculating equivalence as Ph. D. guide.

6. 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.
7. 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.
8. 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.
9. 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.
10. The research papers published in cited research journals of repute in the relevant scientific areas shall only be considered for giving due merit.
11. 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.
12. 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.
13. Assessment of Analytical ability test will be conducted for every candidate who is called for interview.
14. 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 July 9, 2018 to July 20, 2018. The Candidates are required to submit online application form along with supporting documents **on or before July 20, 2018**.
2. The appointments shall be carried out on the temporary basis but are likely to be made permanent subjected to the roaster positions, category of selected candidates and approval of Board.
3. The applicant registration fee for Institute MIS system shall be Rs. 100/-.

4. The application fee of Rs.1000/- (for Open Category) and Rs. 500/- (for candidates belonging to reserved categories), shall be paid online while submitting the form.
5. Candidates already employed must submit their applications through proper channel along with No Objection certificate from present employer.
6. 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.
7. Candidates are requested to refer ICT website from time to time as all information and circulars will be notified on the website.
8. 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. 20thJuly, 2018.
9. The decision of the appointing authority will be final and binding on applicants and no correspondence in this regard will be entertained.
10. No correspondence with ineligible candidates will be made.
11. Candidates called for interview will have to remain present at their own expenses.
12. 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.
13. A person appointed to the post shall be on probation for a period of one year.
14. 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.
15. 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.**