

INSTITUTE OF CHEMICAL TECHNOLOGY

MUMBAI MARATHWADA CAMPUS JALNA

CATEGORY I DEEMED TO BE UNIVERSITY (MHRD/UGC) | ELITE STATUS AND CENTRE OF EXCELLENCE, GOVT. OF MAHARASHTRA |
PUBLIC FUNDED UNIVERSITY | NAAC A++ CGPA 3.77/4.00



INTEGRATED MASTERS OF TECHNOLOGY IN CHEMICAL ENGINEERING (IMTech - 5 yrs)

PLACEMENT BROCHURE 2022-23



Contact us: ictmarjplacement@marj.ictmumbai.edu.in

About ICT

Established on October 1, 1933 as University Department of Chemical Technology (popularly called UDCT) of the University of Bombay (now Mumbai), with the noble intention of advancing India's knowledge reserves in chemical science and technology, the Institute has grown to become a premier (deemed) university devoted to education, training, research and industrial collaboration in chemical engineering, chemical technology, applied chemistry, pharmacy, biotechnology and bio-processing. The then UDCT grew in stature over the years and was granted partial autonomy by the University of Mumbai in 1985, which was taken to the next echelon under the concept of autonomy propagated by the University Grants Commission (UGC). Due to its size and spread of activities, it was converted into University Institute of Chemical Technology (UICT) on 26th January, 2002 and under the TEQIP of the World Bank it was granted full autonomy in 2004. Upon strong recommendation of the UGC through a peer review process, the autonomous institute status was finally converted in to a Deemed-to-be-University by the Ministry of Human Resource Development (MHRD), Govt. of India, on 12 September 2008. Seven convocations have so far taken place in 2012, 2013, 2014, 2015 and 2016, 2017 and 2018.

Based on its stellar performance over the years, the Government of Maharashtra granted it the Elite Status and Centre of Excellence in the State Assembly on April 20, 2012. This is a singular distinction accorded to any institute in the entire country and speaks volumes about the achievements of the ICT.

May 4th 2018 was another glorious day for ICT, when ICT officially established its second campus outside Mumbai. The foundation stone of Marathwada Off-campus Centre of ICT was laid at the hands of Chief Minister of Maharashtra Shri. Devendra Fadnavis among other dignitaries. A land of 203 acres has been allocated at Siraswadi near Jalna to the Institute.

For further details, log on to: <https://www.ictmumbai.edu.in/>

VISION

To be a vibrant educational institute with innovative programs and research culture in the field of chemical and allied sciences.

MISSION

- Produce trained engineers and problem solver research fellows.
- Develop science and technologies of global standards having relevance to India as well as to local Industry from Marathwada region.
- Develop entrepreneurship and provide incubation centres for encouraging Start-ups in Marathwada Region.
- Catalyse the process of generating wealth from knowledge creating bridge among industry, agriculture, environment and society.

VC's Message



Dear Prospective Recruiter,

I am very happy to introduce this new breed of Chemical Engineers/Technologies coming out of the two new campuses of the ICT, Jalna, Maharashtra and Bhuvaneshwar Odisha. The first batch will be out in June/July 2023.

Integrated Master of Technology with Major in Chemical Engineering and Minor in one of the six branches of Chemical Technology program is a post-HSC 5-year integrated Master's

degree program offered at ICT Marathwada Campus and ICT-IOC Bhuvaneshwar Campus. The inaugural batch was inducted in 2018. The admission to the program is entirely merit based on the student performance in CET/JEE Mains.

The program features an innovative blend of classroom learning and industrial in-plant training. The course pattern is trimester based consisting of 3 trimesters per year for a total of 15 trimesters of which 9 trimesters comprise classroom instruction alternating with 6 trimesters are devoted towards industrial in-plant training (IPT). Thus the students can immediately make sense of the learning in subjects such as fluid transport, heat transfer, mass transfer, unit operations, and controls directly during the IPT trimesters. The students gain understanding of the industry, acquire initiative, and refine their vocational skills while working on Industry defined projects during their internship.

The Int. M. Tech. program features the Major and Minor degrees. The Major of the students is Chemical Engineering while the Minor can be one of the six areas of Chemical Technology: Energy Technology, Foods Technology, Lipid Technology, Pharmaceutical Technology, Materials Technology, Petroleum and Petrochemicals Technology.

The course curriculum is designed keeping in mind the deep integration with industrial experience. The courses in the initial trimesters focus on building foundation for application heavy courses in Chemical Engineering. The students get to handle sophisticated analytical instruments such as GC, HPLC, among others right in the first year itself which builds their confidence while approaching their first IPT in the third trimester at the end of the first year. Further, the exposure to chemical engineering starts with the first trimester itself hand-in-hand with basic science courses. The curriculum includes advanced Chemical Engineering topics in addition to courses on entrepreneurship, intellectual property rights, industrial management and research methodology.

The thesis of the students is the culmination of the course work in Major and Minor degrees requiring significant input from both streams with a distinct focus on innovation and entrepreneurship.

As you can see from the above, the students coming out of these campuses have a skill set which includes at least one year Industrial experience and the students are Industry ready.

Prof Aniruddha B Pandit

**Vice Chancellor, Institute of Chemical Technology,
Mumbai**

Director's Message



The genesis of ICT Mumbai (earlier known as UDCT) shows that it was born with the desire of Industry way back in 1933. History repeats! Industry and UDCT Alumni from the Jalna Aurangabad region approached the State government and the Vice-chancellor expressing their wish to have ICT off-campus in their region. Honorable Chief Minister Devendraji Phadanvis announced in the 5th Convocation of ICT on 3rd March 2016 that the State Government wants to support ICT, Mumbai to open a sub-center in the Marathwada region,

and in a record time of 14 months the government allotted 203-acre land at Siraswadi, Jalna on 12th May 2017 and Bhoomi pooja took place in the hands of the Chief Minister on 4th May 2018.

Under the able leadership of visionary personality, Padma Shri Prof. G.D. Yadav, Vice-chancellor ICT, an innovative program integrated M.Tech. in Chemical Engineering major with some chemical technologies as the minor degree was designed. The first batch admission was announced for the academic year 2018-19 (intake 60). On 28th August 2018, Padma Vibhushan Prof. M.M. Sharma delivered the inaugural lecture, an overview of global scenario, history, and role of Chemistry in day-to-day life, and the academic year started in full swing at the Jalna Campus. Currently, the campus is set up at rented premises of Beej Sheetal in the MIDC area and Hostel facilities are in the city in Tejomay housing society, rented flats.

In addition to the packed syllabus for academics, there is a lot to take home for the students. Pep talks by Industry experts, seminars by academicians, visit by senior faculty from ICTMumbai, video conferencing with foreign scientists is a regular feature at the Jalna campus popularly abbreviated as MARJ. Co-curricular activities involve celebrations of Teachers' day, National Science day, etc. Students take a lead in organizing cultural events, sports Dhamaka. Also, Science Quiz and competitions on Industry Defined Problems (IDP) are very popular activities where other college students also participate. A large number of factory visits at the beginning of the trimester is a routine feature.

A Local Advisory Committee is in place to guide as well as assist to overcome local problems if any. A good library and e-library, outdoor sports facilities are set up along with other facilities such as a gym, mess, and canteen. A bimonthly e-newsletter Margjal is published regularly to capture happenings at the Jalna campus and also to give opportunity for the creativity of students. Over a dozen Tutor, cum Research Associates have joined and registered for a Doctorate and thus research culture of ICT is set in.

My dear prospective Recruiters, I look forward to having you for the Placements for the year 2022-23!

Prof. Uday S. Annapure

**Director, ICT Mumbai, Marathwada Campus,
Jalna**

IMTech course

Integrated M. Tech. begins after 12th Standard (HSSC) as a 5-year course consisting of 15 trimesters with alternate term for In-Plant Training in industry, with major in Chemical Engineering and minor in 6 different disciplines.

It ensures improved quality and industry relevance in curricula development for Integrated M. Tech. (9 academic trimesters in the Institute and 6 trimesters in the industry) in the field of Chemical Engineering (major) with minor in any of the 6 different disciplines.

The last two trimesters will be for promotion of experimental and design project to promote entrepreneurship and start-up companies.

Four-month Trimester pattern with studies and In-plant training (IPT) alternate term.

Simultaneous 2 years' experience in various Industries.

Vibrant syllabus with option to include case studies and IPT experiences in courses Collaborative projects with Industry by involving Ph.D. Fellows and faculty.

YEAR 01			YEAR 02			YEAR 03			YEAR 04			YEAR 05		
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15
ACAD 1	ACAD 2	IPT 1	ACAD 3	IPT 2	ACAD 4	IPT 3	ACAD 5	IPT 4	ACAD 6	IPT 5	ACAD 7	IPT 6	ACAD 8	ACAD 9

INTERNSHIPS

- In the 5 years program, consisting of 15 trimesters, the students spend 6 trimesters in an industry/company or a Research Lab doing their internship.
- This course is a mix of academic teaching in the classroom coupled with real-life experience in the industry through internships.
- This gives every student an exposure to 6 different organizations.
- The students get an opportunity to learn and absorb the technology & work culture during this period.
- These internships help the student to understand the pain problems of industries and help them come up with a viable solution that expands their vision.

Bachelor's Subjects taught

Chem. Engg.
Thermodynamics

Momentum,
Mass and Heat
Transfer

Chemical
Reaction
Engineering

Separation
Process

Process
Dynamics and
Control

Mathematical
Methods in
Chemical
Engineering

Equipment
Design and
Drawing

Process
Simulation Lab

Chemical
Engineering Lab

Master's Subjects taught

Advanced Chemical
Reaction Engineering

Multiphase Reaction
Engineering

Advanced Transport
Phenomena

Advanced Separation
Process

Minor Subjects Taught

Energy Technology

- Renewable Energy Systems
- Combustion and Chemistry of Fuel
- Energy Lab I & II

Food Technology

- Introduction to Food Technology
- Food Chemistry
- Food Analysis Laboratory

Lipid Technology

- Introduction to Lipid Technology
- Chemistry of Lipids and their applications
- Lipids Lab I & II

Petroleum and Petrochemicals Technology

- Introduction to petroleum technology
- Petroleum refining processes
- Petroleum Laboratory I & II

Pharmaceutical Technology

- Introduction to Pharmaceutical Technology
- Pharmaceutical Chemistry
- Pharmaceutical Analysis Laboratory

Materials and Polymer Technology

- Introduction to Material Technology
- Polymer science and Technology
- Materials Characterization Laboratory

STUDENT'S PROFILES

Major : Chemical Engg.
Minor : Energy Technology



J18IMT612
Abhishek
Mote



J18IMT614
Aman
Patni



J18IMT627
Utkarsh
Patodi



J18IMT637
Rohan
Wankhede



J18IMT642
Adwait
Sawant



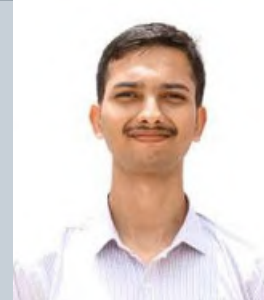
J18IMT645
Ameya
Mantri



Major : Chemical Engg.
Minor : Food Technology



J18IMT603
Bhavesh
Dayma



J18IMT606
Hiteshree
Sarode



J18IMT609
Harshal
Kasat



J18IMT615
Mrudav
Raval



J18IMT633
Harsha
Kasliwal



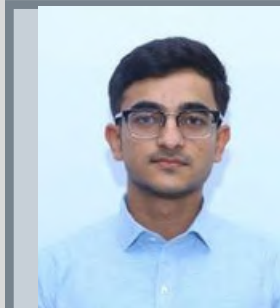
J18IMT638
Akshat
Bedmutha



J18IMT639
Vaidehi
Patil



J18IMT644
Smith
Patil



J18IMT646
Prasad
Lakade



STUDENT'S PROFILES

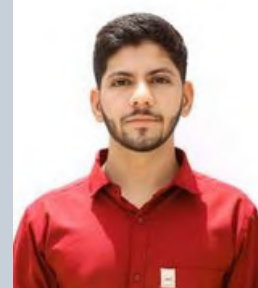
Major : Chemical Engg.
Minor : Lipid Technology



J18IMT605
Aum
Chaudhari



J18IMT613
Janhavi
Dhumal



J18IMT620
Raunak
Dayma



J18IMT647
Nikhil
Umale



J18IMT653
Aniket
Pinjari



J18IMT657
Kartik
Ghate



J18IMT658
Harshal
Kavhale



Major : Chemical Engg.
Minor : Petroleum & Petrochemicals
Technology



J18IMT617
Vedant
Joshi



J18IMT621
Piyush
Dhage



J18IMT622
Prajwal
Jadhav



J18IMT624
Bhumi
Borade



J18IMT626
Aman
Tamboli



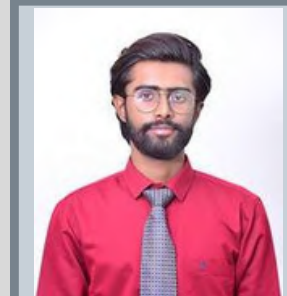
J18IMT641
Manthan
Dixit



Major : Chemical Engg.
Minor : Pharmaceutical Technology



J18IMT607
Adarsh
Chhabda



J18IMT610
Aditya
Bhalerao



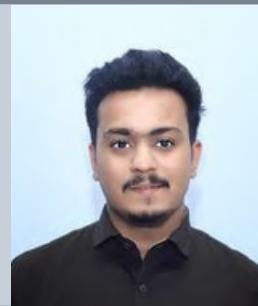
STUDENT'S PROFILES



J18IMT616
Ravinutal
a Shivani



J18IMT623
Dhananjay
Nagre



J18IMT640
Rohit
Chaudhari



J18IMT649
Sachin
Adhe



J18IMT654
Yogesh
Mhetre



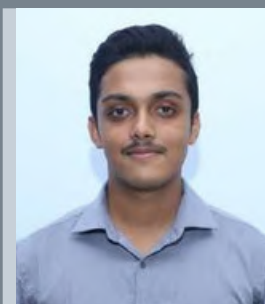
Major : Chemical Engg.
Minor : Materials & Polymer
Technology



J18IMT618
Pratap
Gurav



J18IMT619
Vedant
Kulkarni



J18IMT629
Atharva
Jahagirdar



J18IMT634
Sakshi
Jatkar



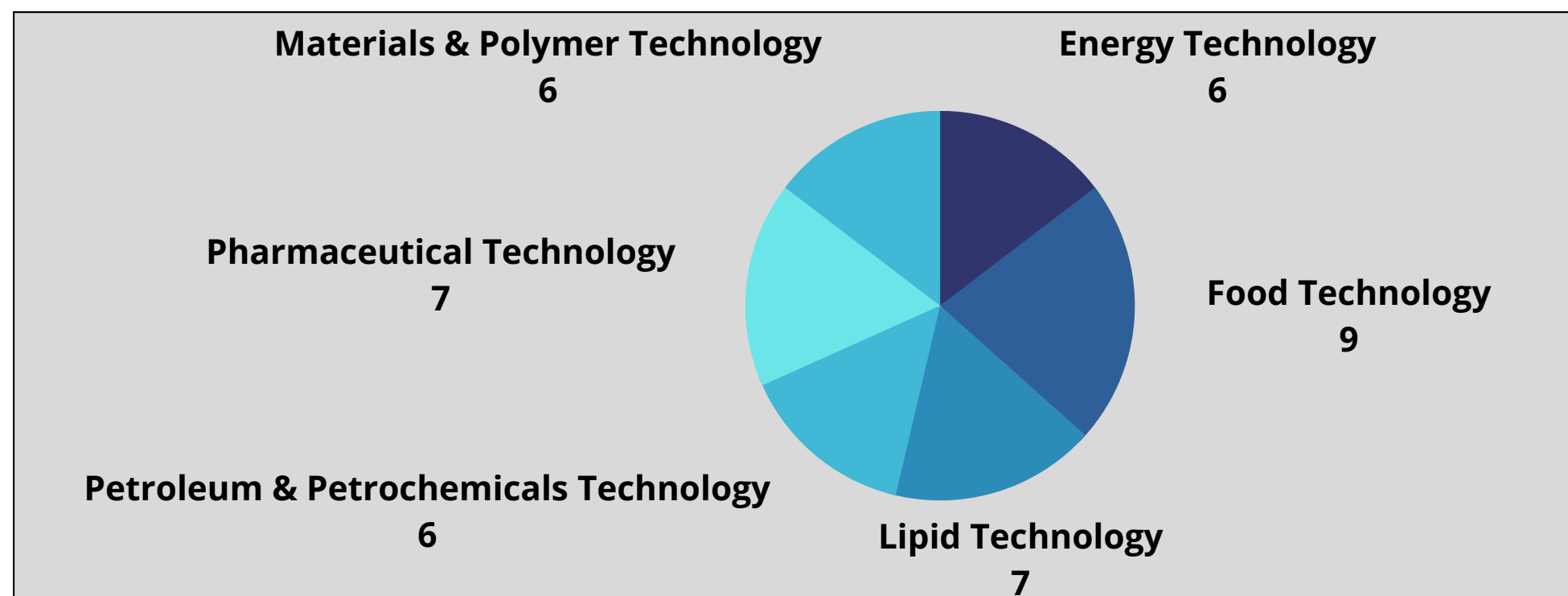
J18IMT655
Lekharaj
Mahajan



J18IMT656
Gargi
Patil



Total No. of Students = 41



Life at ICT MarJ



OUR TRAINING PARTNERS



& Many more ...

CONTACT US



ICT - MUMBAI (ictmumbai.edu.in)
www.marj.ictmumbai.edu.in
ictmarjplacement@marj.ictmumbai.edu.in

TRAINING & PLACEMENT OFFICER

PROF. SHARAD LAHOTI
sg.lahoti@staffmarj.ictmumbai.edu.in
Phone: 94222 16905

FACULTY COORDINATOR

DR. ATUL BARI
ah.bari@staffmarj.ictmumbai.edu.in
Phone: 79774 88633

STUDENT COORDINATORS

ABHISHEK MOTE
che18as.mote@stumarj.ictmumbai.edu.in
Phone: 90213 46240

MANTHAN DIXIT
che18ms.dixit@stumarj.ictmumbai.edu.in
Phone: 84850 36891

**Hire an ICTian
& become a part of ICT!**