Admission Modalities
for First Degree (B.Tech & B.Sc) Programs

Admissions are made purely on merit, on an all India basis, for all the programs offered at IcfaiTech. The merit position of the candidate will be based on the percentile score obtained by the candidate in Admission Test of IcfaiTech (ATIT), conducted by IcfaiTech, Hyderabad. The medium of instruction for all the programs at IcfaiTech is English. The final selection of a candidate is based entirely on merit, his/her preferences, facilities and availability of seats.

Admission into the Integrated First Degree Programs for the Academic Year 2021-22 will be conducted in two Phases:

1. Eligibility for Admission into Integrated First Degree Programs

- For B.Sc.: Pass with 50% aggregate marks or equivalent CGPA in Class XII with Mathematics, Physics, Chemistry and English as subjects.
- For B.Tech: Pass with 60% aggregate marks or equivalent CGPA in Class XII with Mathematics, Physics, Chemistry and English as subjects.
- Class XII (or its equivalent) students awaiting their final examinations results may also apply.
- For Diploma/Polytechnic students with 60% aggregate marks or equivalent CGPA are eligible for the Advanced Standing Admissions (Lateral Entry) in the second year of respective discipline of B. Tech Program.

2. Application for ATIT 2021:

All candidates interested in appearing for ATIT 2021, for seeking admission in the first degree programs of IcfaiTech will be required to submit Application Form on or before **10th April, 2021 (Phase 1) / 10th June, 2021 (Phase 2).**

3. ATIT Examination is an aptitude test conducted online in Computer Based Test format. The test is conducted from 12th to 20th April 2021 (Phase 1) and 12th to 20th June 2021 (Phase 2). The online test is of 2 hours duration and is conducted in 3 sessions per day during 12th to 20th April 2021 (Phase 1) and 12th to 20th June 2021 (Phase 2) respectively. The time slot will be intimated to the candidate through the registered email id.

The test constitutes objective type questions (multiple choices) in Mathematics, Physics, Chemistry, English and Logical Reasoning. The number of questions in each subject is given below and syllabus is available on *www.ifheindia.org/icfaitech.*

Subject	Number of questions
Mathematics	35
Physics	25
Chemistry	20
English	20
Logical Reasoning	20
Total	120

4. Preparation of Merit List for Admission:

The merit position of all candidates who have appeared in ATIT will be prepared on the basis of their total percentile scores obtained in ATIT. It is possible that the final ATIT scores of two candidates may be the same. Then the following criterion will be used to resolve the merit position of the two candidates.

a. First their scores obtained in Mathematics and Physics in ATIT will be considered.

b. If the tie still exists then their score in English and Logical reasoning in ATIT will be considered.

c. If the tie still exists, then their total PCM marks in Class XII examination will be considered.

5. Availability of Seats:

The total number of admissions made may vary from year to year. The change in the total number of seats takes place primarily to adjust to the requirements of a highly flexible system which accommodates dual degree, transfer, etc. Based on earlier experience and on a statistical projection of the responses received in the Application Form, IcfaiTech might make admission offers to a larger number of candidates than the number of seats earmarked.

6. The Process of Allotment of Seats:

Once the merit list is prepared, computer software is programed to assign the seats starting from the first candidate on the merit list and going down the same until all seats are filled up. At any time when the computer considers a candidate, it first tries to accommodate the first preference of the candidate and goes to his/her second preference if his/her first preference could not be accommodated and so on. Assigning of seats for all programs are thus completed and immediate admission offers are made.

Based on our past experience, a certain number of candidates would be placed on wait list. Whenever vacancies arise, the procedure of assigning of seats would be exactly the same as described above. During each iteration a *de novo* assignment starting from the first candidate in the merit list will be made. Of course, in this operation, **candidates who have declined the offer and/or who have not paid fee by 3rd May, 2021 (Phase 1) / 3rd July, 2021 (Phase 2) would be removed from the merit list.** It is now clear that in this process not only some of the candidates who are on the wait list will get an allotment but also certain students who have already got an allotment may now get a new allotment to one of their higher preference subject to availability of seats.

7. The Sliding Operation:

Whenever a candidate is admitted in a lower preferred program, he/she is kept on the wait list for his/her higher preferred programs until all admissions are completed. Any vacancy in any program caused by non-acceptance of the admission offer to the candidate will be filled by offering the vacant seat to the next candidate in the order of merit. This process is called 'Sliding-Up'. According to the Institute rules, his/her acceptance of the admission offer implies that he/she will be automatically considered for sliding up to higher preferred program as indicated in his/her Application Form.

8. Wait List Candidates:

The wait list of the Institute has the following characteristics namely:

a. The cut-off point for the wait list is arrived at by our past experience in terms of the responses from the candidates, the number and the quality of candidates who have applied in the current year with a view to complete the admissions and start the classes on time.

b. Those who are admitted to a program in the first instance (original admission) will continue to be on the wait list for their higher preferences.

c. The wait list refers a pool of students requesting admission into the Institute only and not for a particular program

d. A candidate who has a higher ATIT score may be on the waiting list while a candidate who has a lower ATIT score may have got admission because the former crossed out a program which the latter had opted for and seats were available in that particular program. *Therefore, it is expected that the candidates will indicate preferences for all the programs in the Application Form.*

e. Those who cross out a program not only cease to be candidates for admission to the program but also for consideration on the wait list of the program. For example a candidate could cross out the preference for CSE admission. In such a case, the candidate will not be considered for original admission in CSE and he/she will also not be on the wait list for admission in the CSE program.

f. Candidates who get offers to be on the wait list must pay their fee by **3rd May, 2021 (Phase 1) / 3rd July, 2021 (Phase 2)** along with the candidates who have been offered original admission, to remain on the wait list.

Tips on choosing preferences of programs:

The candidates are strongly advised to exercise their preferences carefully. For example, if a candidate has given his / her preference in the order of CSE, DS&AI, ECE, ME, CE, BSc(Physics) and BSc(Maths). The admission process will allot based on the performance in ATIT 2021 Test. This means the students with higher performance in ATIT 2021 will be allotted his / her 1st preference - CSE.

Once the students are admitted in IcfaiTech, they can transfer to different programs based on their academic performance. For e.g., a student admitted in Civil Engineering can apply for a transfer if he / she wants any other first degree program. Students are allowed to choose elective / minor to focus on supplemental learning.

Admission into the Integrated First Degree Programs for the Academic Year 2021-22 will be conducted in two phases.

1. How to Apply:

Applicants interested in appearing for ATIT 2021, for seeking admission in the First Degree Programs of IcfaiTech will be required to submit Application Form on or before **10th April, 2021 (Phase-1)** & **10th June, 2021 (Phase-2).** Students can apply by any one of the following methods

A) **Online Application:** Applicants can apply online by filling up the Application Form available at *www.ifheindia.org/icfaitech* and making payment of `750 towards the cost of examination using Credit / Debit Card (Visa / Master Card) or Internet Banking through secure Internet payment gateway. Applicants applying online should upload their passport size color photograph.

B) **Download of Application Form:** Applicants can fill their details online and download the Application Form from *www.ifheindia.org/icfaitech* and send it to the Admissions Office along with the Bank Demand Draft of `750 towards the cost of the examination. The Demand Draft (DD) should be drawn in favour of **"IFHE – IcfaiTech Admissions Fee A/c 2021"** payable at Hyderabad. The candidate will receive an acknowledgement to the registered e mail id with an application number for future reference.

Address for Correspondence:

The completed Application Form in case of physical application & downloaded filled-in application with DD should be sent to the Admissions Office, through Speed Post or Courier to:

Admissions Office (B.Tech / B.Sc Programs) 2nd Floor, Plot # 52, Nagarjuna Hills, Punjagutta, Hyderabad – 500 082, Telangana State.*E–mail:* admissions.icfaitech@ifheindia.org

S. No	Region	Details of Contact Person
1	Northern Region – includes Jammu and Kashmir, Himachal Pradesh, Uttar Pradesh, Uttarakhand, Delhi NCR, Madhya Pradesh and Chhattisgarh	Mr. P. Lakshmi Narayana, Mobile:8499848444
2	Southern Region – Karnataka, Kerala, Tamil Nadu, Pondicherry (excluding AP and Telangana)	Mr. Avinash, Mobile:9491631910
3	Southern Region – Andhra Pradesh and Telangana	Ph: 040–23440967, Toll Free: 1800–599–0767
4.	Eastern Region – West Bengal, Bihar, Odisha, Tripura, Arunachal Pradesh, Jharkhand and all North-Eastern states.	Dr. H. Sudheer Mobile:9949119906
5	Western Region – Rajasthan, Gujrat, Maharashtra and Goa, Damn and Diu	Dr. K Kishore Kumar Mobile:8008277293

E-Mail: It is mandatory for all the applicants to indicate their e-mail ID, as all important information relating to ATIT 2021 will be intimated to the applicants by e-mail. Similarly, all applicants are required to send their letters/correspondence, by e-mail only, to *admissions.icfaitech@ifheindia.org* clearly indicating their names and application number.

2. Program Preferences:

While filling the Application Form applicants are strongly advised to provide all the seven preferences as per their priority. Any Application Form not having even a single preference will be rejected. Use the code numbers for various branches given below.

B.Tech: Branch of Engineering	Code
Civil Engineering	01
Computer Science & Engineering	02
Data Science & Artificial Intelligence	03
Electronics & Communications Engineering	04
Mechatronics Engineering	05
B.Sc	Code
Mathematics	06
Physics	07

3. Online ATIT 2021:

1. An Applicant can appear for the online test from anywhere but ensure that he/she has a laptop/desktop/Mobile Phone/Tab with uninterrupted WiFi / sufficient data and electricity.

2. The online computer based ATIT 2021 test will be held from 12th to 20th April 2021 (Phase I) & 12th to 20th June 2021 (Phase 2).

4. Slot Booking for appearing in ATIT 2021:

1. All the applicants will receive a link of a Google form in which the slot for **ATIT 2021** will be available.
2. **ATIT 2021** will be conducted in three slots a day during 12th to 20th April 2021(Phase 1) and 12th to 20th June (Phase 2) respectively and applicant has to select one of the test slot from the Google form option.
3. The last date for choosing the slot for **ATIT 2021** is 10th April 2021 (Phase I) & 10th June 2021 (Phase 2).
4. The date, time and slot will be intimated to the applicant through the registered e-mail on or before 10th April 2021 (Phase I) & 10th June 2021 (Phase 2).

5. Test Process:

Candidates have to take the **ATIT 2021** Online:

Parent/Guardian has to accept the role of a Home Examiner for the Online Exam conducted by IcfaiTech and they should take the full responsibility to invigilate their child to successfully take the online exam and submit the proceeds / answers for evaluation upon completion.

6. Admission Dates ATIT 2021

i. The candidates must send the Application Form on or before <mark>10th April 2021 (Phase I) / 10th June 2021 (Phase 2).</mark>

ii. Last date for booking ATIT 2021 slot is on or before <mark>10th April, 2021 (Phase I)</mark> / <mark>10th</mark> June, 2021 (Phase 2) through Google Form and confirmation of booked slot is intimated on or before <mark>10th</mark> April, 2021 (Phase I) / <mark>10th</mark> June, 2021 (Phase 2) through registered e-mail.

iii. Candidate appears for the ATIT 2021 examination in his/her assigned slot only.

iv. Declaration of results and communication of provisional admission, based on percentile obtained in ATIT 2021, is done between 23rd – 25th April, 2021 (Phase I) / 23rd – 25th June, 2021 (Phase 2).

v. The institute also releases wait list candidates between 23rd – 25th April, 2021 (Phase I) / 23rd – 25th June, 2021 (Phase 2).

vi. All these candidates who are offered provisional admission and the candidates put on wait list have to pay the admission fee of `20,000 on or before 5 PM on 3rd May, 2021 (Phase I) / 3rd July, 2021 (Phase 2).

vii. Candidates, from the confirmed and wait list who do not pay the admission fee by 3rd May, 2021 (Phase I) / 3rd July, 2021 (Phase 2) will forfeit the right of admission to IcfaiTech programs. Accordingly the names are removed from the admission pool.

viii. While vacancies caused by the candidates who do not pay the fee by 3rd May, 2021 (Phase I) / 3rd July, 2021 (Phase 2), next sliding operation will be effective as explained earlier.

ix. The Institute has three more sliding operations for each phase on (4th May, 2021 / 31st May, 2021 / 14th June, 2021: Phase 1) and (4th July 2021 / 30th July 2021 / 13th August, 2021: Phase 2).

All the important dates mentioned above are summarised in a tabular form below:

Admission Calendar 2021		
<mark>Particulars</mark>	Phase I	Phase 2
Last date for receipt of completed Application Form	<mark>10th April, 2021</mark>	<mark>10th June, 2021</mark>
Last date for slot booking for ATIT 2021	<mark>10th April, 2021</mark>	<mark>10th June, 2021</mark>
Online Computer Based ATIT 2021	12th – 20th April, 2021	12th – 20th June, 2021
Provisional admission letters to selected and wait list candidates	23rd – 25th April, 2021	23rd – 25th June, 2021
Last date for the payment of admission fee	3rd May, 2021	3rd July, 2021
Sliding 1	4th May, 2021	4th July, 2021
Reporting for Admissions	31st May, 2021	30th July, 2021
Sliding 2	31st May, 2021	30th July, 2021
Immersion Program	2nd – 10th June, 2021	2nd – 10th August, 2021
Registration	12th June, 2021	12th August, 2021

Sliding 3	14th June, 2021	13th August, 2021

Deadline for Fee Payment				
Payment due date		Amount (`)		Particulars
Phase 1	Phase 2	B.Tech	B.Sc	
3rd May, 2021	3rd July, 2021	20,000	20,000	Admission Fee (One Time)
31st May, 2021	30th July, 2021	10,000	10,000	Caution Deposit (Refundable)
31st May, 2021	30th July, 2021	1,25,000	50,000	Program Fee for Semester I

7. Fee Structure:

Students have to pay the program fee at the beginning of each semester, as per the due dates mentioned in the table below.

Program	Program Fee (`) (Per Semester)	Total Program Fee (`)(Excluding Admission Fee and Caution Deposit)
*B.Sc (3 Years)	50,000	3,00,000
B.Tech (4 Years)	1,25,000	10,00,000

*In case a student opts for the Dual Degree Program, B.Tech program fee will be charged from the second year onwards.

Caution Deposit:

All students are required to pay a caution deposit of ` 10,000 along with the first semester fee. The caution deposit will be refunded without interest after adjusting for dues, if any, to students on completion of the program.

Due Date	Fee Particulars	4 year B.Tech programme	3 year B.Sc programme
3rd May, 2021 (Ph.1) / 3rd July, 2021 (Ph.2)	Admission Fee	20,000	20,000
31st May, 2021 (Ph.1) / 30th July, 2021 (Ph.2)	Program Fee of Semester I	1,25,000	50,000
	Caution Deposit (Refundable)	10,000	10,000

24th December, 2021	Program Fee — Semester II	1,25,000	50,000
22nd July, 2022	Program Fee — Semester III	1,25,000	50,000
23rd December, 2022	Program Fee — Semester IV	1,25,000	50,000
21st July, 2023	Program Fee — Semester V	1,25,000	50,000
22nd December, 2023	Program Fee — Semester VI	1,25,000	50,000
26th July, 2024	Program Fee — Semester VII	1,25,000	–
20th December, 2024	Program Fee — Semester VIII	1,25,000	–
Total		10,30,000	3,30,000

Hostel Fee:

Particulars	Amount (`)
Hostel Security Deposit (Refundable)	10,000
Mess Deposit	24,000
Hostel Accommodation per Semester	45,000

Note: Payment of fee by way of Cash or by Cheque will not be accepted. Payment to be made by way of Bank Demand Draft as explained below.

Program Fee and Hostel Fee are to be paid on or before due dates indicated above by way of Account payee Bank Demand Draft drawn on any Scheduled Commercial Bank in favour of "*IFHE–Fee Collection A/c B.Tech 2021*" payable at Hyderabad.

8. Merit Scholarship based on ATIT 2021:

S.No	Rank Holders	% Amount of Scholarship for the First Semester
1	Top 25 students (1–25)	100% of program fee of the 1st Semester
2	Next 75 students (26–100)	50% of program fee of the 1st Semester
3	Next 100 students (101–200)	25% of program fee of the 1st Semester

For the consecutive semesters, the following is the break up for availing / continuing the Merit Scholarship.

S.No	Continuation of Scholarship from second semester onwards until final semester depends on maintaining minimum CGPA as given below	Merit Scholarship Amount

1.	CGPA ≥ 9.5	100% of Semester Fee
2.	CGPA of 8.5 to 9.49	75% of Semester Fee
3.	CGPA of 7.5 to 8.49	50% of Semester Fee

9. Refund Policy (as per UGC norms):

A) Refund of Admission Fee: The students who withdraw from the program will be eligible for refund of fee as given in the table below:

S.No	Percentage of Refund of Admission Fee*	Point of time when request for withdrawal from the program reaches the Admissions Office
1	100% after deduction of processing fee of ` 1,000	On or before 31st May, 2021(Phase 1) / 30th July, 2021(Phase 2)

B) Refund of Program Fee: The students who withdraw from the program will be eligible for refund of fee as given in the table below:

S .No	Percentage of Refund of Aggregate Fees*	Point of time when request for withdrawal from the program reaches the Admissions office
1	100%	Withdrawn before semester registration date (12th June, 2021 for phase 1 / 12th August, 2021 for phase 2)
2	75%	Withdrawn within 4 weeks from the date of semester registration (12th July, 2021 for phase 1 /12th Sep.2021 for phase 2)
3	50%	Withdrawn after 4 weeks but before 8 weeks from the date of semester registration (In between 13th July, 2021 to 12th August, 2021 for phase 1/ 13th Sep., 2021 to 12th Oct., 2021 for phase 2)
4	No refund	If withdrawn after 8 weeks from the date of semester registration

(* Inclusive of Program Fee and non-program fee but exclusive of caution deposit and security deposit)

10. Reporting Process for Admission

a) **Reporting Date for Admissions at IcfaiTech is on 31st May, 2021(Phase 1) / 30th July, 2021 (Phase 2).**

b) **Submission of Original Certificates:** All successful candidates will have to submit relevant certificates (Class X and Class XII Mark Sheets, Birth Certificate, Transfer / Migration Certificate and Completion Certificate of the qualifying examination from the respective board on **31st May, 2021 (Phase 1) / 30th July, 2021 (Phase 2)** at IcfaiTech campus. The original certificates will be returned to the applicants by **30th August, 2021 (Phase 1) / 30th October 2021 (Phase 2)** after complete verification.

c) **Medical Examination:** All students who have taken admission need to undergo medical examination in University campus on **31ˢᵗ May, 2021 / 30ᵗʰ July, 2021.**

d) **Accommodation and Transportation:** Limited hostel rooms are available at the campus. Day scholars can avail bus facility from City to IFHE Campus on payment basis.

<mark>Admission</mark> Modalities for Higher Degree (M.Tech) Programs

Master of Technology (M. Tech)

IcfaiTech, Hyderabad offers a 2 year Full-time M.Tech program for the year 2021-22. Admissions are open for the following programs:

• M.Tech in Data Analytics

• M.Tech in Internet of Things

• M.Tech in Artificial Intelligence and Machine Learning

• M.Tech in Product Design

• M.Tech in Robotics

The programs have been designed to equip the students with technical competency, to take-up challenging jobs in industries, government and R & D organizations. The programs also provide a sound platform for students aspiring to pursue doctoral research.

1. Eligibility Criteria

S.No	Course	Duration	Eligibility
1.	M.Tech	4 Semesters	· 60% aggregate marks or equivalent CGPA in Bachelor's degree in the relevant branch of Engineering. · M.Sc in Physics/ Electronics/ Mathematics with 60% aggregate marks and a valid GATE score.

Note: Students awaiting their final semester results may also apply.

Program-Wise Eligibility Criteria

S. No	Program	Eligibility Criteria	Eligible GATE Paper (Code)
1	M.Tech in Data Analytics	B.E/B.Tech– SE/IT/ECE/EEE/ MSc	CS/EC/EE
2	M.Tech in Internet of Things	B.E/B.Tech– CSE/IT/ECE/EEE/ MSc	CS/EC/EE
3	M.Tech in AI & Machine Learning	B.E/B.Tech– CSE/IT/ECE/EEE/MSc	CS/EC/EE
4	M.Tech in Product Design	B.Tech (Mechanical/Production Engineering)	ME/PI
5	M.Tech in Robotics	B.Tech (Mechanical/Production	ME/PI

		Engineering)	

Admission Modality

Admission to M.Tech. Programs will be made on the basis of marks obtained in Research Aptitude Test (RAPT) 2021 or on the basis of GATE score of above 95 percentile.

Interested candidates who are eligible to apply online, may send their application within the specified deadline.

Application Process

1. Interested and eligible candidates should apply through the prescribed Application Form downloadable from
   http://www.ifheindia.org/icfaitech/

2. While filling the Application Form, candidates are required to give the order of preferences for different M.Tech programs, for which they are eligible.

3. The completed Application Form should be submitted/posted along with Demand Draft to:

Admissions Office (M.Tech Programs),

IcfaiTech, ICFAI Foundation for Higher Education, Donthanapally, Shankarapalli Road, Hyderabad–501 203,Telangana

Application Fee

Application fee of ` 1,000 is payable by way of Bank Demand Draft (DD) drawn in favour of "IFHE – IcfaiTech Admissions Fee A/c 2021", payable at Hyderabad.

Important Dates and Deadlines

Activity	Date
Last date for submission of completed Application	31st May, 2021
RAPT- 2021	15th -17th June, 2021
Announcement of Admission offers to candidates based on GATE score /RAPT- 2021	1st July, 2021
Reporting date to Campus, payment of Tuition Fee and Caution Deposit	29th July, 2021
Immersion Program	29th -30th July, 2021
Registration for Semester-I	2nd August, 2021
Commencement of Classes	3rd August, 2021
Late Registration	9th August, 2021

Fee Structure and Mode of Payment:

Due Date	Fee Particulars	Amount (`)

July 29, 2021	Program Fee – I Installment	50,000
December 24, 2021	Program Fee – II Installment	50,000
July 22, 2022	Program Fee – III Installment	50,000
December 23, 2022	Program Fee – IV Installment	50,000

Hostel Fee:

Particulars	Amount (`)
Hostel Security Deposit (Refundable)	10,000
Mess Deposit	24,000
Hostel Accommodation per Semester	45,000

Note: Payment of fee by way of Cash or by Cheque will not be accepted. Payment is to be made by way of Bank Demand Draft as explained below.

Program Fee and Hostel Fee are to be paid on or before due dates indicated above by way of Account payee Bank Demand Draft drawn on any Scheduled Commercial Bank in favour of *IFHE-Fee Collection A/c M.Tech 2021* payable at Hyderabad

Details of RAPT-2021

RAPT-2021 will be conducted online. It consists of two parts: Test 1 and Test 2

Test I: Duration: 30 Minutes. Total No of questions: 30

Test I is compulsory for all students who are applying for any of the Higher Degree programs of the Institute and will consist of the following sections:

S.No	Sections	Number of Questions
1	Core Mathematics	15
2	English Language skills & Logical Reasoning	15
	Total	30

Test II: Duration: 60 Minutes. Total Number of questions: 60

The objective of this paper is to assess the student's competency in his / her basic discipline.

For both the above tests, questions are of objective type (multiple choice questions). Each correct answer fetches 1 mark. There will be no negative marking for wrong answers and for questions that are not attempted.

Refer to *https://ifheindia.org/icfaitech* for syllabus of Test-I and Test-II.

Doctoral Programs

The research areas of various departments of IcfaiTech are given below:

Computer Science & Engineering and Data Science & Artificial Intelligence

- Data Science-Focus on Content-Based Image and Video Retrieval, Object Tracking in Video Sequence, Mammogram Analysis and Interpretation, Neural Networks and Artificial Intelligence
- Deep Learning and Image Processing (CNN, RNN)
- Internet of Things and Wireless Sensor Networks
- Cloud Computing
- Computer Networks, Cyber Security and Social Media Analytics.
- Block Chain Technology
- Augmented and Virtual Reality

Electronics & Communication Engineering

- VLSI
- Image Processing and Pattern Recognition
- IoT and Wireless Communication Networks
- Power System and Control System
- Product Design

Mechatronics / Mechanical Engineering

- Additive Manufacturing - Manufacturing of prototypes for mechanical engineering domain, fabrication of pre-planning surgical models for medical community (Orthopedic and Dental implants, Surgical planning, Drug delivery system etc) and develop Architecture models for civil and architectural engineering domains.
- Machine Design - CAD Design models for manufacturing of Nano and micro machining components for aerospace applications using composite materials, Advance High Strength Steels etc.
- Refrigeration - Simulation and Analysis of Vapour compression refrigeration system, Heat transfer analysis through HVAC nozzles, turbulence flow and modelling, solid cryogenic green propulsion system (IPRC 014) etc.
- Robotics - Modeling, simulation, analysis and design of a controller for a robotic manipulator having five degree of freedom for lunar mission (VSSC), Use of Artificial Intelligence (AI) / Expert Systems (ES) / Machine Learning (ML) in Mission operations, Development of end effectors for spacecraft berthing and sample retrieval etc.
- Autonomous land and water vehicles, Intelligent control of dynamic systems, Robot Dynamic modelling and control,

Automated robotic CAPP (Computer Aided Process Planning)

Civil Engineering

- Green Construction
- Innovative Construction Materials
- Infrastructure Engineering & Management

Mathematics

- Operations Research
- Boolean Algebra
- Fluid Dynamics
- Fixed Point Theory
- Commutative Algebra
- Queuing Theory
- Markov / Non-Markovian Analysis, and Stochastic Modeling, Computational Fluid Dynamics
- Mathematical Modelling, Mathematical Physics

Physics

- Laser matter interaction (Experimental): Imaging of laser induced shock waves from materials, time and spatially resolved spectral studies, laser ablation propulsion, filamentation, acoustic and radio frequency detection of shock waves.
- Statistical Physics
- Applied Machine learning for fundamental science problems
- Computational and experimental studies of driven granular materials
- Experimental studies of collisional properties of grains of various shapes and materials
- Experimental studies of granular solids.

Admission Modalities for Doctoral Programs

Eligibility

- M.Tech or its equivalent with a minimum of 60% aggregate marks or equivalent CGPA from a recognised University, for admission into Ph.D in Engineering and Technology.
- Bachelor's degree in Engineering/Technology/M.Sc. with exceptionally good academic record are eligible for admission into Ph.D. program in Engineering and Technology, subject to one of the following conditions:
  - B.Tech degree from IITs, NITs, BITS, ISI and other similar reputed Institutions with a minimum CGPA of 8.0 or its equivalent.
  - B.Tech degree holder from a reputed R & D organization with proven research experience.
  - B.Tech degree from other Universities with a minimum CGPA of 8.0 or its equivalent and a valid GATE score.
  - M.Sc degree from IITs with a minimum CGPA of 8.0 or its equivalent and a valid GATE score.
- M.Sc in Physics/Mathematics with 60% aggregate marks or its equivalent and proven research record are eligible for admission into Ph.D. program in Sciences.
- Candidates with National level fellowships like CSIR NET-JRF, DBT-JRF, UGC NET-JRF etc. are exempted from appearing the above tests

Note: Students awaiting their final semester results may also apply.

Financial Aid

Candidates admitted into the Full-time Ph.D. program are provided with financial support. In the first year of the program, the candidates are expected to completely devote themselves for completing the prescribed coursework and clearing the qualifying examination before they become eligible to earn stipend.

The details of the financial support are as follows:

(a) Financial Assistance (Stipend):

S.No	Stipend Amount	Eligibility	Maximum Duration
1	` 25,000 per month	After qualifying for the Teaching Assistantship (TA)	6 months
2	` 35,000 per month	After successfully clearing the PhD qualifying examination	18 months
3	` 40,000 per month	After successful PhD thesis proposal defence	12 months

The maximum duration of the financial assistance is three years or until the submission of PhD thesis; whichever is earlier.

(b) Professional development grant: ` 20,000 per year for three years for attending conferences (only after successful completion of qualifying examination)

(c) Program Fee Waiver: ` 50,000 per semester for three years amounting to `3.00 Lakh or a proportion of 3.0 lakh, which will be decided at the time of selection

Every student receiving financial support is required to assist the departments in teaching and research.

Continuation of the financial assistance is subject to conditions specified in the IcfaiTech Regulations. (Subject to approval)

Admissions will be offered based on scores secured in the Research Aptitude Test-2021 (RAPT-2021) and the performance in the interview that follows.

Candidates who have qualified NET /GATE exams are exempted from appearing for RAPT 2021 and they will be directly called for interview.

Interested candidates have to apply online ensuring that all criteria are met and within the specified deadline.

Application Process

1. Interested and eligible candidates should apply through the prescribed Application Form downloadable from http://www.ifheindia.org/icfaitech/
2. While filling the Application Form, candidates are required to give the order of preferences for the different disciplines for which they are eligible.
3. The completed Application Form should be submitted/posted along with Demand Draft to:

The Admissions Office (PhD Programs),

IcfaiTech, ICFAI Foundation for Higher Education, Donthanapally, Shankarapalli Road, Hyderabad–501 203, Telangana

For further clarification if any, contact the Dean, IcfaiTech through *dean.icfaitech@ifheindia.org.*

Application Fee:

Application fee of `1000 is payable by way of Bank Demand Draft (DD) drawn in favour of **"IFHE – IcfaiTech Admissions Fee A/c 2021",** payable at Hyderabad

One-Time Fee	
Caution Deposit	` 10,000
Fee Payable for Each Semester	
Program Fee	` 50,000

Important Dates and Deadlines

Activity	Date
Last date for submission of completed application	31st May 2021
RAPT- 2021	15th -17th June 2021
Announcement of admission offers to candidates based on GATE score /IcfaiTech RAPT- 2021	1st July 2021
Reporting date to campus, payment of tuition fee and caution deposit	29th July 2021
Immersion Programme	29th -30th July 2021
Registration for Semester-I	2nd August 2021
Commencement of classes	3rd August 2021
Late Registration	9th August, 2021

Details of Written Tests

Candidates shortlisted will have to write two tests as part of RAPT-2021: Test 1 and Test 2. Test 1 will be common to all disciplines and Test 2 will be discipline specific. The written Test and interviews will be conducted at IcfaiTech, IFHE Campus, Hyderabad. The details of the tests are as follows:

S.No	Test	Format	Competency assessed	Duration

I	Test 1	30 Multiple choice questions	Logical and quantitative reasoning and analysis	30 Minutes
2	Test 2	60 Multiple choice questions	Prescribed syllabus of basic discipline Syllabus can be downloaded from https://ifheindia.org/icfaitech	60 Minutes

Note: In both Test-I and II, each correct answer will be awarded 1 mark. No negative marks for incorrect answers or questions which are not attempted.