

**DUAL (M TECH + PH D) DEGREE
ORDINANCES, RULES AND REGULATIONS
for Department of Computer Science and Engineering**

PREAMBLE

For furthering research activities in the area of engineering and technology, over the years the Institute has put all efforts for attracting postgraduates (as well as bright graduates, by making special provisions). However, it is felt that an additional strategy is required for attracting bright engineering and technical graduates to enter in to the profession of research – without making their disciplinary background a factor to be reckoned with. In other words, the set objective required to be that a bright interested engineering or technology graduate should also be able to pursue his/her post-graduation and research in any engineering or technology discipline other than the one in which he/she did graduation.

It is with the above objective that the Institute introduced a Dual (MTech + PhD) degree programme in Computer Science & Engineering, for candidates having B E/B Tech degree in any discipline *other than Computer Science & Engineering (CSE) or Information Technology(IT)*.

**DUAL (M TECH + Ph D) DEGREE
ORDINANCES
for Department of Computer Science and Engineering**

1	The Indian Institute of Technology Guwahati awards the Dual Master of Technology (M Tech) plus Doctor of Philosophy (Ph D) degree in Computer Science and Engineering to a candidate who has successfully completed the stipulated programme of course work and research.
2	The Dual (M Tech + Ph D) degree programme to be offered by the Department of Computer Science and Engineering of the Institute shall be governed by the Dual (M Tech + Ph D) degree Rules and Regulations for Department of Computer Science and Engineering.
3	A candidate to be awarded with the Dual (M Tech + PhD) degree in Computer Science and Engineering has to submit a thesis embodying the findings of his/her research carried out under this programme after rigorous course work in first three semesters. The thesis should make an original contribution of high quality to the advancement of knowledge as judged by the experts in the relevant area.
4	A student becomes eligible for the award of the Dual (M Tech + Ph D) degree in Computer Science and Engineering, after fulfilling all the academic requirements as prescribed by the Dual (M Tech + Ph D) Degree Rules and Regulations for Department of Computer Science and Engineering.

**DUAL (M TECH + Ph D) DEGREE
RULES AND REGULATIONS
for Department of Computer Science and Engineering**

CATEGORY OF STUDENT

The Institute admits students only in following category.

	REGULAR
1.1	A student in this category works full-time for his/her Dual (M Tech + Ph D) degree. He/she receives assistantship from the Institute or any other recognized funding agency.

ACADEMIC CALENDAR

2.1	Each academic session is divided into two semesters of approximately eighteen weeks duration (with at-least seventy working days for classes in each semester): an odd semester (July -- December) and an even semester (December -- April).
2.2	The Senate approved schedule of academic activities for a session, inclusive of dates for registration, mid-semester and end-semester examinations, inter-semester breaks etc, shall be laid down in the Academic Calendar for the session

ADMISSION

3.1	ELIGIBILITY CRITERIA
	The details of the eligibility criteria for admission to Dual (M Tech + Ph D) degree programme is given in <i>Appendix-A</i> . These criteria are revised by the Senate from time to time.
3.2	ADMISSION PROCEDURE
3.2.1	Admission to the Dual (M Tech + Ph D) degree programme of the Institute normally takes place in July every year. Advertisements are issued in February/March.
3.2.2	Admission to all categories of students is granted on the basis of GATE Score plus admission test and interview held usually during the month of May - July every year.

RESIDENCE

4.1	The institute is wholly residential and all students shall be required to reside in, and be members of a hostel to which they are assigned.
4.2	Under special circumstances, the Director may permit a student to reside with his/her Parent/Guardian in the Institute Campus or within a reasonable distance from the Institute. However, this permission may be withdrawn at the discretion of the Institute, at any time considered appropriate by it, without assigning any reason.
4.3	All students must abide by the rules and regulations of the hostel as may

	be framed from time to time by the Hostel Affairs' Board.
4.4	Students not residing in hostels shall be attached to a hostel for extra curricular activities.
ATTENDANCE	
5.1	All students shall be required to sign in attendance register in the department every working day.
5.2	For registered courses:
5.2.1	Students are required to attend all the classes (Lectures, Studios, Practical etc);
5.2.2	A student will be debarred from appearing in an end-semester examination if his/her attendance in the courses falls below 75 percent and will be awarded an "F" grade in that course.
ASSISTANTSHIP	
6.1	Institute assistantships will be available to eligible students as per prevailing norms.
6.2	Assistantships from external funding organizations will be available as per terms and conditions of the concerned funding organizations.
6.3	Students receiving assistantships from the Institute or fellowships from any other funding agencies are required to perform academic duties as per prevailing norms in force from time to time.
6.4	The continuation of the assistantship/fellowship is subject to satisfactory performance of the assigned duties and satisfactory progress of the student in the Dual (M Tech + Ph D) degree programme.
LEAVE RULES	
7.1	Ordinary Leave
	<p>A student is eligible for 30 days leave in a year. Saturdays, Sundays or holidays during the leave period are counted towards leave, except for prefixed or suffixed holidays.</p> <p>Of the 30 days leave, a maximum of 15 days of leave is permitted in a semester. A maximum of 5 days of such leave is allowed to avail at a stretch if student having any teaching assignment.</p> <p>The maximum number of carried-over leave, from one completed year to another, is 15 days. However, a student can avail accumulated leave up to a maximum of 30 days at a time in a year.</p> <p>Head of the Department (HoD) sanctions leave on recommendation of the Supervisor/Faculty Advisor/DPPC Secretary.</p>
7.2	Maternity/Paternity Leave
	A student is eligible for 6 months maternity leave or 15 days of paternity leave as applicable only once during the Dual (M Tech + Ph D) degree programme.

	The HoD sanctions maternity/paternity leave on recommendation of the Supervisor//Faculty Advisor/DPPC Secretary and submission of a certificate from Senior Medical Officer /Medical Officer of the institute.
7.3	Academic leave Academic leave is permitted on the following grounds.
7.3.1	To attend conferences/seminars/workshops/trainings/short-term courses. A maximum of 15 days of leave is permissible in a calendar year. A maximum of 30 days of leave in a calendar year is permissible for field trips such as data collection, survey work, etc. The Head of the Department sanctions academic leave on recommendation of the Thesis Supervisor/Faculty Advisor/DPPC Secretary. Academic leave exceeding 30 days but up to a maximum of 60 days in a calendar year is approved by the Chairman, IPPC on recommendation of the Thesis Supervisor/Faculty Advisor/DPPC Secretary and the HoD.
7.3.2	Academic leave for more than 30 days is not allowed during the semester in which a student is registered for course work.
7.3.3	Academic leave of more than 60 days but up to a maximum of 12 months is also permissible to carry out part of the research/project work in another institute/R&D Lab/industry/scheme in India or abroad. For sanction of such a leave, a letter of consent from the host organization is required. On recommendations of the Supervisor, the DPPC secretary, HoD, and Chairman, IPPC, the Chairman, Senate approves such an academic leave. Such cases are also to be reported to the Senate. A student granted academic leave for one or more semesters, pays prescribed fees in every semester. If a registration date falls during the period of academic leave, a student completes the registration procedures at the expiry of his/her academic leave.
SUPERVISOR(S)	
8.1	Every student admitted to the Dual (M Tech + Ph D) degree programme undertakes research under the guidance of a faculty member of the department in which he is admitted. The faculty member is called his/her Supervisor.
8.2	A student may have a second Supervisor from the same or another Department. One of the supervisors will act as the Coordinating Supervisor. The Coordinating Supervisor has to be from the department where the student is registered. The Chairman DPPC nominates the Coordinating Supervisor.
8.3	The following categories of persons can act as one of the Supervisors

	but not as a Coordinating Supervisor						
8.3.1	A faculty nearing superannuation with less than 3 years of service left at the Institute.						
8.3.2	A faculty on contract (including a Visiting Faculty) with less than 3 years of service left at the time of appointment as a Supervisor.						
APPOINTMENT OF SUPERVISOR(S)							
9.1	The DPPC appoints Supervisor(s) to a student after obtaining mutual consent of both the student and the Supervisor(s).						
9.2	The Supervisor(s) is identified and appointed at the earliest and within one year from the date of admission.						
CHANGE/ADDITION OF SUPERVISOR(S)							
10.1	If a student has only one Supervisor and the Supervisor goes on leave for more than 15 (fifteen) months, another Supervisor is appointed by the DPPC. Mutual consent of both the student and Supervisor(s) is taken for such cases.						
10.2	The Chairman, Senate may permit a student to change his/her Supervisor(s) for valid reasons. Mutual consent of the student and supervisor(s) and recommendations of the DPPC and IPPC are required. Such cases are reported to the Senate.						
DOCTORAL COMMITTEE (DC)							
11.1	To monitor the progress of research of a student, there will be a Doctoral Committee with the following composition:						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(i) A faculty member other than the Supervisor(s) to be nominated by the DPPC</td> <td style="width: 20%;">Chairman</td> </tr> <tr> <td>(ii) Supervisor(s)</td> <td>Member(s)</td> </tr> <tr> <td>(iii) Two other faculty members of which one should preferably be from another department</td> <td>Members</td> </tr> </table>	(i) A faculty member other than the Supervisor(s) to be nominated by the DPPC	Chairman	(ii) Supervisor(s)	Member(s)	(iii) Two other faculty members of which one should preferably be from another department	Members
(i) A faculty member other than the Supervisor(s) to be nominated by the DPPC	Chairman						
(ii) Supervisor(s)	Member(s)						
(iii) Two other faculty members of which one should preferably be from another department	Members						
11.2	The DC is constituted by the DPPC in consultation with the Supervisor(s) within one month from the date of appointment of the Supervisor(s). The list is sent to the Chairman, IPPC for approval.						
11.3	Until the DC is constituted, the DPPC performs the duties of the DC.						
COURSE WORK							
12.1	<p>Every Dual (M Tech + Ph D) degree programme will have a curriculum and syllabi for the courses approved by the Senate. DPPC will discuss and recommend the syllabi of all the post graduate courses offered by the department from time to time before sending the same to the Institute Postgraduate Programme Committee (IPPC). The IPPC will consider the proposals from the departments and make recommendations to the Senate for consideration and approval. For all approved courses, the copyright will be with IIT Guwahati.</p> <p>The composition, tenure and functions of DPPC and IPPC, are indicated</p>						

	in M Tech/M Des Ordinances, Rules and Regulations
12.2	In order to qualify for comprehensive examination, a student is required to complete the credit requirement as prescribed in the curriculum for a particular programme. The requirements for a programme will be minimum 12 courses with minimum aggregate of 72 credits.
12.3	Under normal circumstances, a student is required to complete all course work within three semesters, and registering for at least four courses in each semester. In each semester, the Cumulative Performance Index (CPI) should not be less than 6.0.
12.4	If at the end of any semester, a student maintains a SPI of 6.0, but fails in a course, he/she is allowed to repeat/substitute it in the following semester(s).
12.5	A repeat/substitute course may be registered during the summer term.
12.6	Medium of instruction, examination and project/thesis reports will be in English.
12.7	Grading system, Assessment of Performance, Method of Awarding Letter Grades, Examination, Make-up Examinations and Withholding of Grades for course work have to be followed as per clause 16 – clause 21 of the M Tech/M Des Ordinances, Rules and Regulations.
12.8	Faculty Advisor: To help the students in planning their courses of study and getting general advice on the academic programme, the concerned department will assign a Faculty Advisor each student till the supervisor is appointed. Otherwise, Secretary, DPPC will act as faculty advisor till the supervisor is appointed.
COMPREHENSIVE EXAMINATION	
13.1	To test the overall competence and academic preparation of a student for the PhD work, a Comprehensive Examination is held within 24 months for students from the date of admission.
13.2	Comprehensive Examination is held only after successful completion of course work.
13.3	The mode of Comprehensive Examination written and will be as follows:
13.3.1	will consist of at least three papers of 3-hours each;
13.3.2	the syllabi will cover broadly undergraduate curriculum of the concerned discipline (other than electives);
13.3.3	the syllabi will be approved by the Senate
13.4	The date of the Comprehensive Examination is informed to the student at least one month prior to the date of examination. The DPPC conducts Comprehensive Examinations for all Students.
13.5	A student failing in the Comprehensive Examination in the first attempt is given a second attempt not before one month and within six months from the date of the first attempt. If the student fails in the second attempt, he/she is not allowed to continue in the Dual (M Tech + Ph D) degree programme.

13.6	All cases of failure in the Comprehensive Examination are reported to the Senate.
STATE-OF-THE-ART SEMINAR	
14.	The clause 12 on state-of-the-Art Seminar (SOAS) of the Ph D Ordinances and Regulations has to be followed.
PROGRESS REVIEW	
15.	The clause 13 on Progress Review of the Ph D Ordinances and Regulations has to be followed
ENROLMENT	
16.1	Student will have to enroll in person every semester on the stipulated date till the submission of their theses.
16.2	They are required to pay the prescribed fees till the submission of their theses within stipulated dates.
16.3	A student may be exempted from the prescribed fees for the last semester if he submits thesis within 30 days from beginning of the semester.
16.4	Only those students will be permitted to register who have :
16.4.1	cleared all Institute, Hostel and Library dues and fines (if any) of the previous semesters,
16.4.2	paid all required advance payments of Institute and Hostel dues for the current semester, and
16.4.3	not been debarred from registering on any specific ground.
16.5	During Course Work the following have to be followed.
16.5.1	Every student is required to register for approved courses through the assigned Faculty Advisor/Supervisor/Secretary DPPC at the commencement of each semester on the day fixed for such registration and notified in the Academic Calendar. The Dean Academic Affairs may cancel the registration of one or more courses if they are found to violate some rules or if there are restrictions imposed due to disciplinary reasons.
16.5.2	A student who obtains a CPI lower than 6.00 with grade 'DD' in some subjects or grade 'F' in some subjects may be permitted by the Dean of Academic Affairs on the recommendations of the DPPC to repeat one or more DD graded subjects along with the failed subjects, provided, the subject(s) is /are being offered therein.
16.5.3	When a student re-registers for a subject, in accordance with clause 16.5.2 and clause above, his/her new grade will be used for SPI calculation, whereas for CPI calculation, the better of the two grades (the old and the new) of that subject will be considered.
16.5.4	Students may add and drop subject(s) with the concurrence of the Thesis Supervisor/Faculty Advisor/Secretary DPPC, and under intimation to the concerned course instructors and the academic section provided this is done within the date mentioned in the Academic Calendar and as per the conditions given in clause 12.3.
16.6	Semester drop: Up to two semesters may be dropped in the entire duration of the Dual (M Tech + Ph D) degree programme, on bonafide grounds. Except on medical grounds, semester drop is not permissible

	<p>before successful completion of Comprehensive Examination by a student.</p> <p>On recommendation of the Supervisor, Chairman, DPPC and Chairman, IPPC, the Chairman, Senate approves a semester drop. Cases of semester drop are reported to the Senate.</p> <p>No assistantship is provided during the period of a semester drop. The period of semester drop is not counted in the prescribed minimum time limit for completion of the Dual (M Tech + Ph D) degree programme.</p>
CONDUCT AND DISCIPLINE	
17.1	Students shall conduct themselves within and outside the precincts of the Institute in a manner befitting the students of an institution of national importance. The Institute has a separate ordinance Code and Conduct of Students which is applicable to all students of the Institute.
17.2	In addition, unauthorized absence for more than one month leads to disciplinary action, in the form of reduction of assistantship or even termination of studentship.
CANCELLATION OF STUDENTSHIP	
18.1	A student is required to leave the Institute on the following grounds:
18.1.1	During course work: If a student fails to secure a CPI of 6.0 at the end of any semester. However, a student securing a CPI below 6.0 may be allowed to continue in the following semester on the recommendation of DPPC and with the approval of IPPC. Subsequently the student will be issued a warning. Students who secure a CPI below 6.0 in two consecutive semesters will not be allowed to continue in the postgraduate programme.
18.1.2	If a student is absent for more than 6 (six) weeks in a semester without sanctioned leave his/her name will be struck off the rolls.
18.1.3	A student may also be required to leave the Institute on disciplinary grounds.
18.1.4	On having been found to have produced false documents or having made false declarations at the time of seeking admission.
18.1.5	On having been found to be pursuing regular studies and/or correspondence courses (leading to degree or diploma) in any other college, university or an educational institution.
18.1.6	On having found to be concurrently employed and performing duty or carrying out business.
18.1.7	Not conforming to the regulations of the programme.
18.1.8	Failure in Comprehensive Examination.
18.1.9	Consistent lack of progress in research.
18.1.10	Not submitting a thesis within the stipulated period.

18.1.11	Not enrolling for a semester within stipulated dates.
DURATION OF THE PROGRAMME	
19.1	The duration of the Dual (M Tech + Ph D) degree programme is as follows:
19.1.1	The minimum duration of the Dual (M Tech + Ph D) degree programme (excluding dropped semester(s)) is six semesters from the date of admission.
19.1.2	The maximum duration of the Dual (M Tech + Ph D) degree programme is seven years from the date of admission.
SYNOPSIS OF THESIS	
20.	The clause 18 on Synopsis of Thesis of the Ph D Ordinances and Regulations has to be followed.
PANEL OF EXAMINERS	
21.	The clause 19 on Panel of Examiners of the Ph D Ordinances and Regulations has to be followed.
SUBMISSION OF THESIS	
22.	The clause 20 on Submission of Thesis of the Ph D Ordinances and Regulations has to be followed.
THESIS REPORTS	
23.	The clause 21 on Thesis Reports of the Ph D Ordinances and Regulations has to be followed.
VIVA VOCE	
24.	The clause 22 on Viva Voce of the Ph D Ordinances and Regulations has to be followed
AWARD OF DUAL (M Tech + Ph D) DEGREES	
25.1	A student shall be declared to be eligible for the award of the degree if following are satisfied.
25.1.1	The Viva Voce Board recommends award of the degree,
25.1.2	No dues to the Institute, Department, Hostels; and
25.1.3	No disciplinary action is pending against him/her.
25.2	After successful completion of the Viva Voce, the student will be awarded the M Tech and Ph D degrees together. The M Tech degree will be retroactive from the date of the completion of the SOAS.
25.3	The award of Dual (M Tech + Ph D) degrees in Computer Science and Engineering must be recommended by the Senate and approved by the Board of Governors of the Institute.
25.4	Award of M Tech degree only: At any time after the successful completion of the comprehensive examination and SOAS by the student, should the DC feel that the progress of the student is not satisfactory, it may recommend a termination of the programme. In that case, student will receive just the M Tech degree and leave the programme assuming yearly progress report as M Tech thesis work; and the M Tech degree in Computer Science and Engineering will be effective from the date of leaving the programme. This must be recommended by the Senate and approved by the Board of Governors of the Institute.

APPENDIX - A

**ELIGIBILITY CRITERIA
FOR ADMISSION INTO
DUAL (M Tech + Ph D) DEGREE PROGRAMME
IN
COMPUTER SCIENCE AND ENGINEERING**

The details of the eligibility criteria (i.e. minimum qualifications and experience) for admission to Dual (M Tech + Ph D) degree programme are given in this appendix. The Senate reviews the same for admission to the Dual (M Tech + Ph D) degree programme from time to time. Relaxation in academic qualification for reserved categories of students is as per Government of India guidelines.

MINIMUM QUALIFICATIONS

A.1	Minimum qualifications for Dual (M Tech + Ph D) degrees in Computer Science and Engineering	
A.1.1	B.E/B.Tech in any discipline other than CSE or IT or equivalent , with any one of the following criteria (<i>Please note that this programme is not meant for engineering graduates in computer or information technology related disciplines</i>):	
	a.	Cumulative Performance Index (CPI) of 7.5 or marks of 70% and a valid GATE score in any subject, if the qualifying B E/B Tech degree is not from an IIT
	b.	CPI of 8.0, if the qualifying B Tech degree is from an IIT
	c.	CPI of 7.0 (or more) but less than 8.0, a valid GATE score in any subject, if the qualifying B Tech degree is from an IIT