

Indian Institute of Information Technology, Allahabad

The present ordinance applicable to M.Tech. Programs offered at IIIT Allahabad has two sections as follows:

Section A: Pertaining to **Choice & Credit Linked Continuous Assessment and Award (CCLCAA) Ordinance**

Section B: Pertaining to Admissions, Examinations and Program Layout

Section A

Ordinance for Choice & Credit Linked Continuous Assessment and Award (CCLCAA) (for M.Tech. Degree Programs offered at IIIT Allahabad)

1	Background	<p>The IIIT Act 2014 provides for as follows:</p> <p>17.(1) Subject to the provisions of this Act, the Senate shall be the principal academic body of the Institute and shall have the power to enact, amend, modify Ordinances, governing academic matters and the affairs and well being of students in the Institute.</p> <p>(2)(c) to recommend to the Board about commencement of new programmes and courses of study and undertake modifications therein;</p> <p>35. Subject to the provisions of this Act and the Statutes, the Ordinances of every Institute may provide for all or any of the following matters, namely;</p> <p>(c) the conditions under which students shall be admitted to the degree or diploma Courses and to the examination of the Institute, and shall be eligible for degree and diplomas;</p> <p>(e) to specify the academic calendar and approve grant of degrees, diplomas and other academic distinctions or titles;</p> <p>These Ordinances are accordingly framed in exercise of the powers so vested in the Senate of the institute with the following aims :</p> <p>1) To set up a mechanism for Continuous Assessment of the admitted student to the M.Tech. Programs of the Institute;</p> <p>2) To set up a mechanism for continuous assessment based award of Degree / PG Diploma / Certificate, etc. to the admitted student of M.Tech. subject to the successful completion of Credits by the student(s) as specified thereto.</p>
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2	Ordinance Name	This Ordinance shall be called the Choice & Credit Linked Continuous Assessment and Award (CCLCAA) Ordinance) for M.Tech. Degree Programs of IIT Allahabad.
3	Ordinance Number	2018/M.Tech./01
4	New / Revision/ Amendment IF A REVISION, Then OLD Ordinance Number	Amendment for REVISION OLD Ordinance Ref - Gazette Notification No.2914 in Part II Sec 3 Sub Section (ii),dated December 13, 2016
5	Definitions	<p>For the purpose of this Ordinance, definitions as follows shall apply:</p> <ol style="list-style-type: none"> 1) "Degree" shall refer to the M.Tech. Degree Program. 2) "Course" shall refer to such Course(s) for which a student shall earn Credits after due assessment as per the laid provisions. Each Course shall comprise of Lecture, Tutorial and Practical Sessions. A Course may have either or all the three Components. Project is also treated as a Course. 3) "Academic Activities" comprise of activities like Lecture (Physical Lecture Session), Tutorial (participatory discussion / self Study / Desk Work / Quiz/ Seminar Presentation, etc activities that make the student absorb & assimilate, the delivered contents effectively) and Practical / Practice sessions (includes hands on experience / lab experiments/ Field Studies/ Case Studies etc activities that enable the student to acquire the requisite skill). 4) "Continuous Assessment" shall refer to the evaluation of the student spread over the entire semester on the various constituent components of the prescribed course. 5) "Semester" shall refer to a period covering the three component periods viz C1, C2 and C3, including the MAKE UP Exams period. A semester would generally be spread over twenty weeks. 6) "Course Drop" shall refer to a student having to undertake a repeat of the Course(s) not being able to complete the Credit requirements of the Course(s), under the conditions stipulated in the Ordinance. 7) "Make Up Exam" shall refer to the examination(s) conducted to allow the student to appear in the uncleared / underscored Semester End C3 component, with a view to accord him an additional opportunity to improve upon his previous score. 8) "Blank Semester" shall refer to a Semester in which a student either does not register for any course at the beginning of the Semester OR chooses to DROP all courses OR is so compelled to DROP all the courses, as the case may be. 9) "Spill Over Semester" shall refer to the additional semester(s) beyond the completion of prescribed normal semesters. 10) "Add On Courses" shall refer to the Courses taken in addition to the regular prescribed courses for

		<p>the completion of the normal degree, with a view to acquire added proficiency. These courses may be undertaken during and along with the routine semester courses OR additionally during the spillover Semester(s) i.e. upon extra time expenditure.</p> <ol style="list-style-type: none"> 11) "AAA Section" shall refer to the Admissions, Assessment and Award Section of the Institute. 12) "Equivalent Percentage of Marks Scored" refers to the Equivalent Percentage of Marks Scored and is calculable as detailed in the Ordinance subsequently. 13) "Division" refers to the Division awarded to the student as per the mechanism detailed in the Ordinance subsequently. 14) "CCLCAA Ordinance" refers to the Choice and Credit linked Continuous Assessment and Award Ordinance of IIT Allahabad for M.Tech. Degree Programs of IIT Allahabad and is in Section A of this document. 15) "HoD" refers to the Head of the respective Department, where the student is enrolled for his/her Branch of Study. 16) "Equivalent Course" shall refer to a course, which is projected as having the course component with fairly large amount of commonality with the mapped earlier course. 17) "Summer Semester" refers to a Semester that is decided to be held during the intervening period of Even and Odd Semester (i.e. Summer Vacations period). It is at the discretion of the Department concerned and is NOT an essentiality. 18) "Attendance" refers to the physical personal presence in an academic activity session. 19) "Grade Point" refers to quantification of the performance of a candidate in a course as defined in Section B of this Ordinance. 20) "Honorable Exit Option" refers to the Exit Options available to students, when they are unable to complete the prescribed two year M.Tech. Degree program in four successive years. 21) In this document, he / him / his / himself etc are treated to be referring to a student / Faculty Member, without any Gender bias.
6	Preamble	<p>This ordinance is an articulation of the Institute's commitment towards the need of a 'continuous assessment' of its enrolled students, with a view that it enables student(s) to maintain the continuity in learning process, which eases them of the anxiety that un-necessarily peaks up during the Mid and End semester because otherwise the assessment process is predominantly such examination based. The proposed framework makes available a host of honorable exit options if a student fails to complete the requirements to earn the degree within the stipulated period.</p>

7	Date of Implementation	The Ordinance shall come into effect from the date as may be decided by the Senate of the Institute. Accordingly, the prior Ordinance to this effect / piecemeal policies / practices in vogue at the Institute so far, on the subject / related issues, shall stand superseded, w.e.f. such date.
8	For Whom	The Ordinance is meant for all Postgraduate Students admitted in various M.Tech. Programs at IIIT Allahabad w.e.f. Batch 2018 and onwards.
9	Assessment Mechanism	Continuous assessment takes into account all academic activities undertaken by the student during the currency of the said academic semester, in which a student is enrolled. This entails activities ensuring continuous assessments such as conduct of Review Test(s), Quizes, Tutorials, Assignments, Practicals, Surprise Tests, Project Work, Term Work, Seminars / Discussions, etc.
10	When Assessed	While the Review Tests would be held during the Semester at the end of said two component C1 & C2 periods respectively, C3 the End Semester Exams shall be scheduled by the AAA Section of the Institute, respective Faculty Member(s) shall declare the schedule of Quiz, Tutorials, Assignments, Seminars, discussions, etc. Some of the components may also however take place in an un-scheduled manner like Surprise Tests. However, students shall be made aware of the assessment modalities that are going to be followed in a course by the faculty.
11	How many times assessed	Review Test : Not more than One per Component Tutorials/ Seminars / Discussions: As may be decided by the Faculty I/C of the Course Practice: At the end of each Practical Session Quiz :As may be decided by the Faculty I/C of the Course Assignments: As may be decided by the Faculty I/C of the Course
12	Attendance	a) At least 75 % attendance is compulsory in every course individually, for being evaluated in a Semester / Summer Semester. b) Attendance is compulsory in the C3 Semester End Examination or MAKE UP Exam, as the case may be. Note - 25% relaxation in attendance includes absence for whatever reasons, including Medical Reasons, Social obligations, Participating/Representing in Sports and/or Cultural events, etc. All absence shall however be under expressed intimation to the respective HoD for academic purposes and Hostel Warden for Hostel purposes. Office of HoD shall inturn keep the AAA section informed accordingly.

13	Types of Assessment	<p style="text-align: center;">Overall Assessment</p> <div style="text-align: center;"> <pre> graph TD OA[Overall Assessment] --> FA[Formative Assessment (During the Semester)] OA --> SA[Summative Assessment (At the Semester End)] FA --> C1[C1 (30%)] FA --> C2[C2 (30%)] SA --> C3[C3 (40%)] C3 --> P1[Part 1 (20%)] C3 --> P2[Part 2 (20%)] </pre> <p>Weightage: (30%) (30%) (40%) Duration : 1st - 8th Wk 8th - 16th Wk 16th - 18th Wk <i>(The Semester duration is kept flexible to ensure completion of minimum working days equivalent to that of Sixteen Weeks of a semester i.e. 80 ± 5 days)</i></p> </div>
14	Individual Credit Percentage of each Component of Assessment	<p>Component 1 (C1) = 30% (To be completed within first 8 weeks of the Semester)</p> <p>Component 2 (C2) = 30% (To be completed during 9th to 16th Weeks)</p> <p>C1 & C2 shall comprise of academic activities like Quiz, Tutorial Assessments, Assignments, Review Test, scheduled towards the end of the Component period, etc, as per the discretion of the Faculty In Charge of the respective Course.</p> <p>Component 3 (C3) = 40% (to comprise of End Semester Examination and to happen during 16th to 18th Week of the Semester). This assessment can be in one Part or Two Parts, as may be decided and pre-declared, by the concerned faculty member(s).</p>
15	Project Evaluation Mechanism	<p>A Project is also treated as a just another Course, with it being evaluated through Components C1, C2 and C3, where:</p> <p>C1 refers to assessment on Problem identification & Definition, Literature Survey, Defending the methodology to be adopted for the Project, etc.</p> <p>C2 refers to the assessment on the Conduct of the experiment / Software designing, developing and implementing, together with the preparation of a draft report including results, discussion, etc.</p> <p>C3 refers to assessment in two parts, based upon Final Presentation, Demonstration / Defense. Part 1 of the evaluation comprises of the Project Report Evaluation and final presentation thereon, while the Part 2 of the assessment comprises of demonstration and defense.</p>

16	When will the Assessment Outcome be known	<p>C3 / End Semester : At the end of the Semester</p> <p>Review Test: Within a week after the conduct of the test.</p> <p>Tutorials/Seminars / Discussions/Presentations: Within a week after the activity is completed.</p> <p>Practicals: At the end of the Practical Session.</p> <p>Quiz: Within a week after the conduct of the said Quiz</p>																				
17	Overall Assessment - How & When	<p>Total assessment shall be the Sum Total / weighted outcome of the various components, subject to relative Scaling and revealed through an expressed statement of Grades / Equivalent Percentage, as stated on the Grade Card, in a Scale of 10, duly signed by a competent officer of the AAA Section of the Institute. The Grade Card shall be issued generally within one month of the declaration of the Final Result.</p>																				
18	Credit Based Certification Scheme	<p>The Ordinance provides for award of a suitable Certification based upon the credits actually earned by the Enrolled Student. Any kind of Certification shall however be possible only after the student has completed the normal duration of the Degree Program that is the FOUR consecutive semesters from the date of admission. Thereafter, Certifications as follows shall be considered for award:</p> <table border="1" data-bbox="506 743 2003 1081"> <thead> <tr> <th>SL. No.</th> <th>Certification Name</th> <th>NORMAL Course Duration</th> <th>Maximal Course Duration</th> <th>Credit Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M.Tech. Degree</td> <td>2 Years (4 Semesters)</td> <td>4 Years (8 Semesters)</td> <td>A minimum of 64</td> </tr> <tr> <td>2</td> <td>PG Diploma *</td> <td>2 Years (4 Semester)</td> <td>4Years (8 Semesters)</td> <td>Greater or Equal to 40 but Less than 64</td> </tr> <tr> <td>3</td> <td>Certification*</td> <td>2 Years (4 Semesters)</td> <td>4 Years (8 Semesters)</td> <td>Less than 40</td> </tr> </tbody> </table> <p>*Honorable Exit Options only;</p> <ol style="list-style-type: none"> i. with NO Direct or Lateral Entry Admission Provisions. Once exited, no resumption is possible, except through a fresh admission in M.Tech. Degree Program through open admission. ii. Subject to the completion of the normal Course Duration, a student can also voluntarily opt for availing of the Exit option, by making an expressed request to this effect to the AAA Section. iii. Such Certification, as applicable shall also be awarded at the routine Convocation of the Institute. iv. Maximal Course Duration as indicated above, includes time spent on all provisions like MAKE UP Exams, DROP Course(s), Blank Semester(s), singularly or in conjunction. 	SL. No.	Certification Name	NORMAL Course Duration	Maximal Course Duration	Credit Requirement	1	M.Tech. Degree	2 Years (4 Semesters)	4 Years (8 Semesters)	A minimum of 64	2	PG Diploma *	2 Years (4 Semester)	4Years (8 Semesters)	Greater or Equal to 40 but Less than 64	3	Certification*	2 Years (4 Semesters)	4 Years (8 Semesters)	Less than 40
SL. No.	Certification Name	NORMAL Course Duration	Maximal Course Duration	Credit Requirement																		
1	M.Tech. Degree	2 Years (4 Semesters)	4 Years (8 Semesters)	A minimum of 64																		
2	PG Diploma *	2 Years (4 Semester)	4Years (8 Semesters)	Greater or Equal to 40 but Less than 64																		
3	Certification*	2 Years (4 Semesters)	4 Years (8 Semesters)	Less than 40																		

19	Provision of Degree with "Distinction"	A bonafide student, eligible for award of M.Tech. Degree as per the above Credit Based Certification Scheme, shall, upon securing a Degree Grade Point Index (DGPI) of 8.50 or above, be eligible for getting a M.Tech. "Degree with Distinction".
20	"Make UP" Examinations	<ul style="list-style-type: none"> a) To happen during the 18th to 20th Week of the Semester. b) A Provision primarily for such Student(s) who for some reason secures less than 40% Marks in C3. ALTERNATIVELY, a student, with prior expressed permission from the Course Faculty and under intimation to AAA Section, may solicit an exemption from appearing in C3 and appear directly in the MAKE UP Examination. MAKE UP examination cannot however be viewed as an opportunity to improve upon the earlier granted opportunity. Whenever a candidate avails himself of the MAKE UP opportunity, the marks scored in MAKE UP Exams shall be considered for final Grade Calculation.
21	DROP in a Course - How, When, Way out	<ul style="list-style-type: none"> a) In a particular Course, if C1+ C2, is less than 40%, then the student is deemed to have DROPPed in that particular Course. b) In a particular Course, if C3, is less than 40% even after availing the MAKE UP Examination, then the student is deemed to have DROPPed in that particular Course. c) In a particular Course, if the student fails to secure a Grade Point of less than 5.00 in the overall assessment, then the student is deemed to have DROPPed in that particular Course. d) In a particular Course, if the attendance is less than 75%, then the concerned student is deemed to have DROPPed in that particular Course. e) Whenever a candidate opts for Blank Semester(s) / DROP in a course(s), or is so compelled as per the provisions of this ordinance, s/he shall have to study the prevailing Course(s) / Prevailing Equivalent Course(s) offered by the department as per the prevailing scheme, when the student continues his/her study. Equivalent Course(s) shall be recommended by the respective department HOD for the consideration and approval of the Institute Senate, a priori, together with the course content of both - the earlier course as well as the new proposed equivalent course. f) A student may voluntarily choose to "DROP", one or more courses to match his speed of learning. g) A student may have to essentially DROP in one or more course(s), in case his/her SGPI falls below 5.50 considering the courses in the Semester which s/he has successfully completed. <p>Note - A DROP in a course would require a complete repeat of the Course, in all its components, including attendance, etc. in physical presence form.</p>
22	"ADD ON" - Credits & Certifications Contd.	<ul style="list-style-type: none"> 1) In addition to the 64 credits that a student is required to be enrolled in, a student could additionally enroll himself/herself to additional course credits, upto a maximum of 16 credits, which he/she will earn as "ADD ON" credit certification. 2) The upper limit per semester credits, for which a M.Tech. students could at any time enroll himself would NOT, in general, exceed 24 credits to accommodate Dropped Courses/ Add-ON courses. 3) The ADD ON internship and Self Study elective(s), will also follow – C1, C2 and C3 pattern of assessment.

23	Supplementary Exam / Back Paper Exam Provisions	None. In conditions as stated at Sl. No. 20 above, the student has to drop the particular course and re-register in the following semester, subject to availability and as per the then prevailing Course(s). In the case of Elective Courses(s), the student may opt to change the elective, which is allowed.
24	Spill Over Semesters	A student can opt to choose, either to move at the prescribed pace of learning or set his own pace of learning, at a slower pace, by utilising the benefit of SPILL OVER Semesters, as per below: a) SPILL OVER Semester(s) provide for completion of re-registered Courses / ADD ON Courses. b) Additional Semesters 5th to 8th shall be available as SPILL OVER Semesters. c) For being enrolled in these Semesters additional fees shall be required to be paid, BUT the same shall be in proportion to the Credit Hours Enrolled for, in that particular Semester. d) Additionally, the students wanting to take ADD ON courses, may utilise these Spill Over Semesters, to earn extra Credits, over and above the regular Degree requirements.
25	Ranks, Medals , etc.	Only such students, who complete the 64 Credits in the FIRST 4 successive Semesters from the date of admission shall be eligible to receive Ranks / Medals / Distinction etc. Fellowship/Scholarships will not be admissible for candidates who fall into spill-over semester.
26	Power to remove the difficulties	For the matter(s) NOT covered herein above or for unforeseen circumstances, but arising during the course of the implementation of the above ordinance, the Chairman Senate shall be authorised to remove the difficulties and decide upon the matters. The same shall be reported in the next meeting of the Senate, for its consideration.

Section B

Ordinance for Admissions, Program Layout and Examinations (for M.Tech. Degree Programs Offered at IIIT Allahabad)

1	Background	<p>The IIIT Act 2014 provides for as follows:</p> <p>17.(1) Subject to the provisions of this Act , the Senate shall be the principal academic body of the Institute and shall have the power to enact, amend, modify Ordinances, governing academic matters and the affairs and well being of students in the Institute.</p> <p>(2)(c) to recommend to the Board about commencement of new programmes and courses of study and undertake modifications therein;</p> <p>35. Subject to the provisions of this Act and the Statutes, the Ordinances of every Institute may provide for all or any of the following matters, namely;</p> <p>(a) the admission of the students to the Institute;</p> <p>(c) the conditions under which students shall be admitted to the degree or diploma Courses and to the examination of the Institute, and shall be eligible for degree and diplomas;</p> <p>(e) The conditions and mode of appointment and duties of Examining Bodies, Examiners and Moderators;</p> <p>(f) the conduct of Examinations;</p> <p>These Ordinances are accordingly framed in exercise of the powers so vested in the Senate of the institute with the following aims :</p> <p>1) To articulate the mechanism for admission to the M.Tech. Programs of the Institute;</p> <p>2) To elaborate upon the general M.Tech. Degree Program and layout, Grading System, etc;</p> <p>3) To set forth the conditions under which students shall be admitted to the degree or diploma Courses and to the examination of the Institute, and be eligible for degree and diplomas;</p> <p>4) To identify as to who would examine and assess the enrolled students;</p>
2	Ordinance Name	This Ordinance shall be called the Ordinance for Admissions, Program layout and Examinations (Hereinafter referred to as Assessment) of the M.Tech. Degree Program students of IIIT Allahabad.
3	Ordinance Number	2018/M.Tech./01

4	New / Revision/ Amendment IF A REVISION, Then OLD Ordinance Number	<p style="text-align: center;">Amendment for REVISION</p> <p>OLD Ordinance Ref - Gazette Notification No.2914 in Part II Sec 3 Sub Section (ii),dated December 13, 2016</p>
5	Definitions	<p>For the purpose of this Ordinance, definitions as follows shall apply:</p> <ol style="list-style-type: none"> 1) "Degree" shall refer to the M.Tech. Degree Program. 2) "Course" shall refer to such Course(s) for which a student shall earn Credits after due assessment as per the laid provisions. Each Course shall comprise of Lecture, Tutorial and Practical Sessions. A Course may have either or all the three Components. Project is also treated as a Course. 3) "Academic activities" comprise of activities like Lecture (Physical Lecture Session), Tutorial (participatory discussion / self Study / Desk Work / Quiz/ Seminar Presentation, <i>etc</i> activities that make the student absorb & assimilate, the delivered contents effectively) and Practical / Practice sessions (includes hands on experience / lab experiments/ Field Studies/ Case Studies <i>etc</i> activities that enable the student to acquire the requisite skill). 4) "Continuous Assessment" shall refer to the evaluation of the student spread over the entire semester on the various constituent components of the prescribed course. 5) "Semester" shall refer to a period covering the three component periods viz C1, C2 and C3, including the MAKE UP Exams period. A semester would generally be spread over twenty weeks. 6) "Spill Over Semester" shall refer to the additional semester(s) beyond the completion of prescribed normal semesters. 7) "Add On Courses" shall refer to the Courses taken in addition to the regular prescribed courses for the completion of the normal degree, with a view to acquire added proficiency. These courses may be undertaken during and along with the routine semester courses OR additionally during the spillover Semester(s) i.e. upon extra time expenditure. 8) "AAA Section" shall refer to the Admissions, Assessment and Award Section of the Institute. 9) "GPI" refers to the Course Grade Point Index and is calculated as detailed in the Ordinance subsequently. 10) "SGPI" refers to the Semester Grade Point Index and is calculated as detailed in the Ordinance subsequently. 11) "CGPI" refers to the Cumulative Grade Point Index and is calculated as detailed in the Ordinance subsequently. 12) "DGPI" refers to the Degree Grade Point Index and is calculated as detailed in the Ordinance subsequently. 13) "Equivalent Percentage of Marks Scored" refers to the Equivalent Percentage of Marks Scored and is calculable as detailed in the Ordinance subsequently. 14) "Division" refers to the Division awarded to the student as per the mechanism detailed in the Ordinance

		<p>subsequently.</p> <p>15) "CCLCAA Ordinance" refers to the Choice and Credit Linked Based Continuous Assessment and Award Ordinance of IIIT Allahabad for M.Tech. Degree Programs of IIIT Allahabad.</p> <p>16) "HOD" refers to the Head of the respective Department, where the student is enrolled for his/her Branch of Study.</p> <p>17) "AAA Section" refers to the Admissions, Assessment and Awards Section of the Institute.</p>
6	Date of Implementation	The Ordinance shall come into effect from the date as may be decided by the Senate of the Institute. Accordingly, the prior Ordinance to this effect / piecemeal policies / practices in vogue at the Institute so far, on the subject / related issues, shall stand superseded, w.e.f. such date.
7	For Whom	The Ordinance is meant for all Postgraduate Students admitted in various M.Tech. Programs at IIIT Allahabad w.e.f. Batch 2018 and onwards.
8	General M.Tech. Degree Program Layout	<p>a) In general, the M.Tech. Degree Program shall comprise of FOUR Semesters, spread over a period of TWO Academic Years. Each academic year shall commence from July / August, while each of the two Semesters in July / August (Odd Semester) and January (Even Semester) each year.</p> <p>b) First successive FOUR Semesters spread across TWO consecutive academic years are referred to as the Normal Semesters, while the subsequent FOUR consecutive semesters are referred to as the Spill Over Semesters.</p> <p>c) The medium of Instruction and assessment is English.</p> <p>d) Institute follows the Continuous Assessment pattern in lieu of the routine practiced Pass/Fail type end semester based examination pattern. Continuous assessment pattern promotes a win win situation for each student at his/her own pace and capability. The details are enshrined in the CBCAA Ordinance of the Institute.</p> <p>e) The M.Tech. Degree Program is maximally to be completed in FOUR Academic Years (EIGHT semesters), after which the student shall have to be exited, as per the scheme enunciated in the CCLCAA Ordinance.</p> <p>f) In order to be conferred with the M.Tech. Degree, a student has to earn at least 64 Credits, by enrolling himself in various Courses offered during a particular Semester.</p> <p>g) A student can enroll himself for a maximum of 20 Credits per Semester. A student can however register himself for upto 24 credits, provided the same is to clear the DROPPed Courses or to earn ADD-ON credits.</p> <p>h) Semesters and Credits Spread :</p>

Sem	Normal Successive Semester *				Spill Over Semesters			
	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th
Duration	July/Aug- Dec	Jan – May/ June	July– Nov /Dec	Jan – May/ June	July Nov /Dec	Jan– May/ June	July– Nov /Dec	Jan– May/ June
Regular Credits	As decided by the Department/Center however subject to ≤ 20 credit per semester				----			
Maximum** Cr that can be enrolled into	24	24	24	24	24	24	24	24

* A student can also opt for a Blank Semester, BUT the regular fees shall have to be paid during every Normal Semester.

** Includes DROPPed Courses and ADD-ON Courses

- i) There are specific provisions for "Degree with Distinction", and ADD-ON Certification which are as elaborated in the CCLCAA Ordinance separately.
- j) A student MUST have a minimum of 75% attendance, in each Course separately, by the end of 16th week, else s/he is considered having DROPPed the course. In general, the attendance Calculation shall be done by the 15th Week providing the benefit of attendance to all the students for the remaining period. (If by any chance, in extraordinary situations, the department / Faculty concerned, is unable to compute the attendance percentage of the student in any course, and the student continues to get evaluated, then also, the evaluation does not prevent the DROPPing of the Course, if at any stage the attendance Criteria is found to be breached.)
- k) Fees, as prescribed by the Institute from time to time, shall be payable for all Semesters including MAKE UP Exams, Normal Semesters, Spill Over Semester(s), Blank Semester, Transcripts, etc.

9	General Layout of Course Content Delivery	<p>a) Content delivery of a Course in the M.Tech. Degree Program shall be through, either or all, of the following Methods:</p> <ol style="list-style-type: none"> I. Lecture - refers to Lecture Session(s) through classroom contact session. Denoted by "L". II. Tutorial - refers to session(s) consisting of participatory discussion / self-study / desk work / brief presentations by students along with such other novel methods that enable a student to efficiently & effectively absorb and assimilate the contents delivered in the lecture sessions. Denoted by "T". III. Practice - refers to Practice / Practical sessions and it consists of Hands on experience / Laboratory Experiments / Field Studies /Case Studies / that equip the students to acquire the much required skill component. Denoted by "P". <p>b) In Terms of Credits, every One hour session of L amounts to 1 Credit per semester and a minimum of two hour session of T or P amounts to 1 Credit per Semester.</p> <p>c) One semester generally corresponds to a period of 20 Weeks for Teaching Learning and Assessment Process completion, including the MAKE UP Examination opportunity, in case one avails of..</p> <p>d) Each Semester shall have a predefined number of Courses and each Course having predefined Credits.</p> <p>e) Each Course shall have a predefined layout in terms of L - T - P, with separate Credits assigned to each of them.</p> <p>f) Course Classification - Any Course shall be classifiable either as either of the following: Core Course / Elective Course/Special Course.</p> <p>g) Core Course is the one, which is compulsorily to be studied by the candidate. A Core Course may be termed as a Soft Core, if there is a choice or an option for the candidate to chose a course from a pool of courses from the main discipline / subject of study or from a sister / related discipline / subject which supports the main discipline / subject. In contrast to the term Soft Core, a compulsory Core Course is called a Hard Core Course.</p> <ol style="list-style-type: none"> (i) Courses listed under "Soft Core", may also be treated as "Elective Course", for the purpose of them being changed, in case of DROP Course. (ii) In case of DROP of a Hard Core Course, same Hard Core Course has to be repeated or else, an Equivalent Hard Core Course has to be taken and passed into. (iii) In case of "Project", the Course "Project" is treated as "Hard Core". In case of a Project DROP however, the Project Title is treated as a "Soft Core" and therefore liable to be changed and done afresh on a new topic. <p>h) Elective Course is generally the one which can be chosen from a pool of courses and which may be very</p>
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specific or specialised or advanced or supportive to the discipline / subject of study one which provides an extended scope / exposure to some other discipline / subject / domain or nurtures the student's proficiency / skill. An elective course chosen from an unrelated discipline / subject and could be generic in nature, with an intention to seek exposure is called an **Open Elective**. An elective course offered to acquire a special / advanced knowledge, such as supplement study / support study to a Project Work and a student studies such a course on his own with an advisory support by a Faculty, is called a **Self Study Elective**.

- i) A Course offered as a Core Course In one Program, may be treated as an Elective in another Program or *vice versa*.
- j) Project Work / Dissertation Work are referred to as **Special Course**, as it is a combination of Hard Core and Elective Course ("Project" itself being a 'Hard Core' while the topic being an 'Elective').
- k) In case a student successfully completes more than 64 Credits by registering for extra Credits, then the electives in which the candidate has scored better grades would be considered for calculating DGPI at the end. The Credits earned in the excess electives shall be considered for the ADD ON Certification purposes.
- l) The minimum number of department electives that a student needs to be enrolled in, shall be prescribed by the department concerned. The rest of the electives could be chosen from the ones offered by same department or by other departments / Units, including the Open Electives.
- m) The departments may restrict few Electives to be taken up only as ADD ON Courses, such as Internship(s), Self Study Electives, etc.
- n) Self Study electives may also be allowed to be availed of during Internships, if approved by the respective HoD, under intimation to AAA section Credits earned out of Self Study elective(s) would be treated as ADD ON Credits only. It would generally be allowed only to meet the specific needs of the Internship. Such electives shall follow the L:T:P Credit Ratio as 0:1:3.
- o) Project(s) may also be allowable to be done in Institutions / Industries of repute, in India or abroad, BUT with expressed prior permission of respective HoD and under such intimation to AAA Section. Such project shall also have to mentored by the department's faculty member .The same Faculty member shall have to accept to be the main guide for that particular student(s) AND the intellectual Property Rights, if any, emanating out of that work, shall be the joint property of IIIT Allahabad, the guide , the student and the respective Institution/Industry, on equal basis.

		<p>p) Open Electives in Indian or Foreign Languages, shall be available to only those students who do not have the same language as their mother tongue. Also the language for which the student has appeared in Class X or XII or equivalent exam, shall NOT be available to him as an Open Elective. Language based Open Electives shall follow the L:T:P Credit Ratio as 1:1:0.</p>
<p>10</p>	<p>Admissions</p>	<p>1) Admission to the M.Tech. Degree Program of the Institute shall be held as per the policies communicated by Government of India from time to time. Presently the admission is through the Centralized Counseling for M.Tech. (CCMT), based on their GATE score within the validity period. Graduate Aptitude Test in Engineering (GATE), a national level tests for admission to M.Tech. / Ph.D. and other Government Scholarships/Assistantships in the field of engineering and technology.</p> <p>2) Students will be admitted in M.Tech. in respective departments through CCMT. The eligibility criteria for the admission in M.Tech. will be decided by respective departments. All the available specializations in the respective Departments will be offered at the end of the first semester on choice based on the performance of the student in their 1st semester.</p> <p>3) Reservation Policies as per Govt. of India norms for the Centrally Funded Technical Institutions shall apply, therein.</p> <p>4) There shall be no provision of any lateral entry into the M.Tech. Degree Program.</p> <p>5) The Branches to be offered in the M.Tech. Degree Program and allotment of the branches shall be as decided by the Senate from time to time. At present however, M.Tech. Degree is awarded in the following Branches</p> <ol style="list-style-type: none"> i. Information Technology (offered by the department of IT) ii. Electronics Engineering (offered by the department of ECE) iii. Bioinformatics (offered by the department of Applied Science) <p>At present the specialization streams for M.Tech. in IT are as follows:</p> <ol style="list-style-type: none"> 1) Generic M.Tech. (IT) 2) Cyber Law and Information Security (CLIS), 3) Human Computer Interaction (HCI), 4) Intelligent System (IS) 5) Robotics (RO) 6) Software Engineering (SE) 7) Wireless Communication Engineering (WCE). <p>At present the specialization streams for M.Tech. in ECE are as follows:</p> <ol style="list-style-type: none"> 1) Generic M.Tech. (ECE) 2) Micro-Electronics.

		Bioinformatics offered from the Department of Applied Sciences.
11	Assessment Philosophy	Each assessment component is not merely test dominant, but should be problem-solving / practical-practice / mini project work / case study / discussions /assignment / seminar / tutorial / review-test based, such that the performance and score of the student is made aware to him/her, periodically.
12	How Assessed	As detailed in Section A
13	How many times assessed	As detailed in Section A
14	Types of Assessment	As detailed in Section A
15	Assessment - By Whom Mechanism, Appeal	<p>a) Assessment of each Course shall out of 100 Marks only, irrespective of the Credits assigned to it, where C1 shall be scalable out of 30 marks, C2 for 30 marks and C3 out of 40 marks each.</p> <p>b) Generally, the Faculty Member(s) who are the Course instructors shall evaluate the students enrolled in that particular Course. In special circumstances, the Chairman Senate may allow for the evaluation by others.</p> <p>c) The Components forming part of assessment shall be announced by the concerned faculty at the beginning of the semester (during the first week of the semester) and shall then remain fixed uniformly for that entire class.</p> <p>d) The proposed syllabus shall be composed of four equitable units, such that each unit is coverable in four weeks. C1 shall mark the completion of first two units syllabus, while C2 for the rest of the two units.</p> <p>e) The Student shall be shown the evaluated answer-scripts after evaluation of various components C1, C2 etc, as detailed in the CCLCAA Ordinance, where after the student shall be desired to sign a register implying that s/he has no objection to the valuation as done by the concerned faculty.</p> <p>f) Break up of marks scored by the student in C1, C2 and C3 components shall be maintained by the respective faculty member till the student is awarded the degree / certification, as the case may be.</p> <p>g) Under the L,T,P form of content delivery and assessment, assessment shall be done for L,T & P on collective basis which means that a Course of Four Credits may though have 2 Credits for L, 1 Credit for T and 1Credit for P, the assessment C1, C2 and C3 shall be done always taking into consideration the three components together. Though no individual credits shall be scorable for L,T and P, the respective Faculty shall have to declare during the first week of his class the assessment mechanism s/he is going to follow for that semester.</p> <p>h) For any objection to the marks secured in C3 component, s/he may appeal to the respective HoD, within three days of having seeing the answer-script, where after the scores shall be submitted to the AAA Section for compilation and publication of the result.</p>

16	Assessment - Date, Time & Venue	<p>a) The general period of assessments shall be declared in advance by the Office of the Dean Academic through the Academic Calendar. The exact dates for assessment of each of the course(s) shall however be communicated separately later on.</p> <p>b) C1 and C2 Assessment dates, time and venue, as per the laid time schedules, shall be declared by the Faculty Member(s) taking the classes for the respective Courses. Also that for MAKE UP Exams. The dates shall however be communicated to AAA Section by email, at least three days in advance, so that examination copies can be provided to the Faculty Member in advance.</p> <p>c) C3 assessment date, time and Venue shall be declared by the AAA Section and shall be organised in a centralised manner. The datesheet in this respect shall be declared well in advance.</p> <p>d) Question Paper set by the respective Faculty Member(s) shall be carried by him to the examination venue in adequate number and handed over to the invigilation staff on duty, who shall distribute the same to the examinees. Similarly at the end of the assessment time period, the invigilation staff on duty shall collect the answer-scripts and hand them over to the respective Faculty Member, then and there.</p> <p>e) The checked answer-scripts of C1,C2 (Review Tests) & C3 (Semester End Examination), after being shown to the respective student shall be handed over by the respective Faculty Member(s) to the AAA Section together with the marks award sheet , within the prescribed time period, duly signed. Copy of the register showing the signatures of all students to the effect that they have seen their respective answer-script shall also be handed over to the AAA Section. In case the student does not turn up to see his checked answer-script within five days of the assessment being over, it shall be deemed that s/he is not interested in seeing his answer-script and the marks awarded by the respective Faculty Member shall be treated as final. No appeal later on in such cases shall be entertained.</p> <p>f) In general, the answer-scripts shall be maintained by the AAA Section till the end of the respective semester, after which they shall be discarded and destroyed.</p> <p>g) ONLY in case any student makes an appeal to the HoD, then his copy shall be retained till the final disposal of his appeal.</p>
17	Tutorial and Practice Sessions Assessment	<p>a) The respective Faculty Member shall be free to adopt his own assessment mechanism BUT the same shall have to be communicated explicitly and during the first week of the commencement of the classes for the respective Course to each of the student(s).</p> <p>b) The assessment mechanism shall be uniform for that class of students even if the students are spread over one or more sections/ streams of specializations..</p> <p>c) In case of an appeal, the respective faculty member shall be liable to defend the assessment methodology adopted by him.</p> <p>d) C1 and C2 assessment scores shall however be the sum total of scores obtained by any student, in L,T & P put together, and different mechanisms of assessment followed, as the case may be.</p> <p>e) C3 is a Semester End comprehensive examination, covering the entire syllabus and may be taken in two parts, as detailed in Item No. 14 of Section A, BUT declared <i>a priori</i>.</p>

18	Project Assessment	<p>a) Shall be done for C1, C2 and C3 components, at the respective time periods, just like any other Course, as detailed in Section A - Project Evaluation Mechanism.</p> <p>b) C1 & C2 assessments shall be done by the Supervisor(s) for 30 marks each..</p> <p>c) C3 assessment shall be done by committee of two persons, namely the External Subject Expert, nominated by the HoD, alongwith the Supervisor (In case of the HoD being the Project Supervisor, Dean Academics shall be nominate). For this purpose, expert from another department of the Institute may also be treated as an external expert, if s/he is so known for and is not associated with the said work, <i>apriori</i>. C3 Evaluation shall be for 40 Marks only, BUT in two parts as detailed in Item No.15 of Section A.</p> <p>d) The final "Major Project" shall necessarily be the part of 4th Semester only for a student expecting to complete the M.Tech. Degree in 4 consecutive semesters.</p>
19	Assessment of Self Study Elective	Self Study Electives shall be assessed by the Faculty member recommending the course to be taken, in the same C1, C2 & C3 pattern.
20	Result Preparation, Declaration, Grade Sheet, Transcript, etc Contd...	<p>a) Marks scored after each component shall be communicated by the concerned Faculty to the AAA Section as per the following Schedule - Latest by 9th Wk from the date of start of Semester for C1, latest by 17th Week for C2 and latest by 19th Week for C3 and latest by 21st week , where MAKE UP Exam opportunity is being availed of by some students. Upon lapse of these deadlines the marks shall have to be deposited with the Director, IIIT A.</p> <p>b) Semesterly result compilation and declaration shall be done by AAA section with the respective Faculty communicating the scores of each component, of every enrolled student, to the AAA Section at the end of each component period, as detailed in CCLCAA Ordinance.</p> <p>c) The semesterly provisional Grade Sheet shall be issued by the AAA Section under the seal & Signatures of AR/DR/JR (AAA) Section, as the case may be. The same shall be the only valid document in this respect.</p> <p>d) The semesterly Grade Sheet shall depict the Courses enrolled in, the Courses DROPPed, etc distinctly.</p> <p>e) A provisional Cumulative Grade Sheet, for upto the end of Sixth Semester shall be issued upon request and payment of requisite fees, to facilitate participation in Training and Placement activities by the students. Cumulative Grade Sheet shall be issued by the AAA Section under the seal & Signatures of AR/DR/JR (AAA) Section, as the case may be. The same shall be the only valid document in this respect.</p> <p>f) The consolidated Official Transcript shall be issuable after the successful completion of the Course or at the time of availing an "Exit" Option (as detailed in the Section A for M.Tech. Degree Programs of the Institute), as the case may be, under the seal & Signatures of AR/DR/JR (AAA) Section, as the case may be. The</p>

		<p>same shall be the only valid document in this respect.</p> <p>g) Once C1, C2 and C3 marks obtained by each student are fed into the computer, the same shall be "compiled by" the Computer, followed by "random manual checking" by a AAA Section Official and issued finally as "result" under the signature of AR/DR/JR of the AAA Section, the senior-most being available then.</p>
21	<p>Grading System & Definition ?</p>	<p>a) Institute follows Relative Grading System on a Scale of 10, with 10 being the highest Score..</p> <p>b) The Grades are relative with respect to :</p> <ol style="list-style-type: none"> I. the nature of assessment adopted by the particular faculty. II. the performance expected by the respective faculty. III. the performance of the class <p>c) Course Grade Point Index (GPI) is Calculated as follows:</p> $\left\{ \frac{(C1 + C2 + C3)}{\text{"Defined Cut Off"}} \right\} \times 10$ <p>where,</p> <ul style="list-style-type: none"> • C1 refers to marks scored out of 30 • C2 refers to marks scored out of 30 • C3 refers to marks scored out of 40 <ul style="list-style-type: none"> ▪ Total Score out of 100 • "Defined Cut Off"= X_1 if $X_1 < X_2$ else "Defined Cut Off"= X_2 where X_1 and X_2 are defined as, $X_1 = \text{Max}(C1 + C2) + \text{Projected Corresponding score in } C3$ $= \text{Max}(C1 + C2) + \left\{ \frac{\text{Max}(C1 + C2)}{60} \times 40 \right\}$ <p>where $\text{Max}(C1 + C2)$ is the maximum marks scored by any student in C1 + C2 Assessment.</p> $X_2 = \text{Max}(C1 + C2) + \text{Max } C3^* \quad (* \text{ without considering the marks scored in MAKE UP Exams })$ <p>where $\text{Max } C3$ is the maximum marks scored by any student in C3 Assessment.</p> <p>In case, $C1 + C2 + C3$ equals OR exceeds the Defined Cut Off, then the Grade Point Index is rounded off to 10, thereby making 10 as the highest GPI achievable.</p>

21	<p style="text-align: center;">Grading System & Definition Contd....</p>	<p>d) The GPI is rounded off to the nearest second decimal digit.</p> <p>e) The topper may or may not get a GPI of 10 in any particular Course</p> <p>f) A student has to obtain a minimum GPI of 5.00 in order to successfully complete the requirements of that particular Course and also to earn Credits in that Course. In case s/he fails to do so then s/he has to accept a DROP in that particular Course and re-register it subsequently (in the same or Equivalent Course).</p> <p>g) During the period when the student could not successfully clear the C3 component and is yet to appear in the MAKE UP Examination, the student shall be notionally awarded "I" Grade, indicating that the said course is an '<i>Incomplete</i>' Course.</p> <p>h) Semester Grade Point Index (SGPI) is Calculated as follows: $\frac{(GPI \times Course\ Credit_1) + (GPI \times Course\ Credit_2) + \dots + (GPI \times Course\ Credit_n)}{(\text{Sum of those Course Credits, for which the student successfully earned the Credits, in that Semester})}$</p> <p>i) A Student shall necessarily have to score a SGPI of 5.5 in every semester individually, with the successfully completed courses in that semester, failing which s/he shall voluntarily DROP few Courses to ensure a SGPI of 5.5.</p> <p>j) ADD on Courses shall qualify for award of GPI ONLY.</p> <p>k) NO SGPI / CGPI shall be calculable considering the ADD ON Courses.</p>
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22	Withdrawal of Degree / Diploma / Certification	Consequent upon being convinced, following an enquiry, the Senate may resolve to withdraw the Degree / Diploma any other certification provided by the Institute. The aggrieved may however prefer for a review of such decision by the Senate, citing cogent reasons for review or go in for an appeal to the, Board of Governors of the Institute.
23	Power to remove the difficulties	For the matter(s) NOT covered herein above or for unforeseen circumstances, but arising during the course of the implementation of the above ordinance, the Chairman Senate shall be authorised to remove the difficulties and decide the matters. The same shall be reported in the next meeting of the Senate.