ACADEMIC REGULATIONS-2023 (R23)

For

B.TECH FOUR YEAR DEGREE COURSE
(Applicable for the batches admitted from 2023-24)
(Proposed Amendments to the R23 Regulations of B.Tech)

LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY

An Autonomous Institution
Approved by AICTE & Permanently Affiliated to JNTUGV, Vizianagaram
Accridated by NAAC with 'A Grade'
Jonnada(Vi), Denkada (Mandal), Vizianagaram–535005, Andhra Pradesh
Phone No.: 08922-241111, Fax: 08922-241112
Email: lendi_2008@yahoo.com; www.lendi.org

LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY:VIZIANAGRAM
(Autonomous**)**
Academic Regulations (R23) forB. Tech (Regular-Full time)
(Effective for the students admitted into I year from the Academic Year **2023-24** onwards)

The following academic regulations will be applicable to the students admitted into First Year of B. Tech. (Regular, with Honors/Minors) from the Academic Year 2023-24 under Autonomous system.

6. Award of the Degree

(a) **Award of the B.Tech. Degree :**
A student will be declared eligible for the award of the B.Tech. degree if he/she fulfils the following:

(i) Pursues a course of study for not less than four academic years and not more than eight academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (Eight years).

(ii) Registers for 160 credits and secures all 160 credits.

(b) Award of B.Tech. degree with Honors
A student will be declared eligible for the award of the B.Tech. with Honors if he/she fulfils the following:

(i) Student secures additional 18 credits fulfilling all the requisites of a B.Tech. program i.e., 160 credits.

(ii) Registering for Honors is optional.

(iii) Honors is to be completed simultaneously with B.Tech. programme.

(c) Award of B.Tech. degree with Minors
A student will be declared eligible for the award of the B.Tech. with Minors if he/she fulfils the following:

(i) Student secures additional 18 credits from other branches/discipline fulfilling all the requisites of a B.Tech. program i.e., 160 credits.

(ii) Registering for Minors is optional.

(iii) Minors is to be completed simultaneously with B.Tech. programme.

Note: Student shall opt either Honors or Minors only but not both

13. Guidelines for offering a B.Tech with Minor Degree: The objective of introducing B.Tech.(Minors) is to facilitate the students to choose additionally the specialized courses of their choice and build their competence in any other discipline other than the discipline in which student got admitted in the UG level. This way undergraduates are not restricted to learn about courses only in the discipline they get admitted to, but can choose courses of their interest to later on take up a career path of their liking.

(i) Applicability and Enrolment:

(a) To all B. Tech (Regular and Lateral Entry) students admitted (under R23 regulations) in Engineering & Technology with *CGPA of 7.0 up to III Semester, without any backlogs and backlog history.*

(b) It may be noted that both regular degree and Honors degree are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students, without any backlog history.

(c) There shall be no limit on the number of programs offered under Minor. The minor programs in emerging technologies are based on expertise in the respective departments and may also be offered in collaboration with the relevant industries/ agencies.

(d) If a minimum enrolments criterion is not met, then the students may be permitted to register for the equivalent MOOC courses as approved by the

concerned Head of the department in consultation with BoS.

(e) The department offering the Minors will announce courses required before the start of the session.

(f) The interested students shall apply for the Minors course to the HOD of the concerned department.

(g) The whole process should be completed within one week before the start of every session.

(h) Selected students shall be permitted to register the courses for Minors degree.

(i) If the student wishes to withdraw/ change the registration of subject/course, he/she shall inform the same to HODs within two weeks after registration of the course.

(j) There is no fee for registration of subjects for major degree programme offered in offline.

(k) For applicability of Minors degree, both regular B Tech and Minors degree courses shall be successfully completed.

(l) Transfer of credits from a particular minor to regular B.Tech or another major degree and vice-versa shall not be permitted

(ii) Entry level

(a) The B.Tech students (both Regular and Lateral Entry) pursuing a major degree programme can register for minor at their choice in any other department offering minor degree from IV semester onwards.

(b) Students registering for Minor degree shall select the subjects from other branches/department based on the recommendations of BOS committee. For example, if a student pursuing major degree in Electrical & Electronics Engineering, select subjects specified for minor in Computer Science and Engineering and he/she will get major degree in Electrical & Electronics Engineering with minor of Computer Science and Engineering

(c) Students shall be permitted to select *a maximum of two subjects per semester* from the list of subjects specified for Minor.

(d) The students shall complete *Minor degree without supplementary appearance* within stipulated period as notified by the college for the completion of regular major B. Tech programme.

(e) Minor degree shall not be awarded at any circumstances *without completing the regular major B. Tech programme* in which a student got admitted

(f) If a student is detained due to *lack of attendance, he/she shall not be permitted to register the courses for Minor degree*

(g) The subjects completed under Minor degree programme shall not be considered as equivalent subjects in case the student fails to complete the major degree programme

(h) Students completed their degree shall not be permitted to register for Honors degree

(iii) Structure of Minors in B. Tech:

(a) A student has to acquire 18 more credits, in addition to *160 credits* required, for the award of the minor by fulfilling at least **THREE** credits must be earned from NPTEL/SWAYAM MOOC Course and the remaining 15 credits by doing **FIVE Theory**/Integrated courses of 03 credits each (or) **Four Theory courses of 03 credits each along with 2 Laboratory Courses of each 1.5 Credits** either through MOOCS/Regular.

(b) Students can complete Minor courses *either in the college or online* from platforms like NPTEL/SWAYAM etc.

(c) The overall attendance in each semester of regular B. Tech courses and Minor courses shall be computed separately

(d) Student having less than **65% attendance in Minor courses shall not** be permitted for "Minors Course(s) semester end examinations".

(e) A student detained due to *lack of attendance in regular B. Tech programme* shall not be permitted to continue Minors degree.

(f) *The teaching, examinations (internal and external) and evaluation procedure of Minors courses offered in offline* is similar to regular B. Tech courses

(g) Students may choose theory or practical courses to fulfill the minimum credit requirement.

(h) Students shall be allowed to take *maximum two subjects per semester* pertaining to their Honors degree other than lab courses

(i) The students *registered for minor shall not be permitted* to register for B. Tech (Honors)

(iv) Credits Requirement:

(a) A Student will be eligible to get B. Tech with Minors, if he/she completes an additional 18 credits. *These may be acquired either in offline or online like NPTEL/SWAYAM etc by doing 8/12/16 week courses covering 2/3/4 credits*.

(b) The colleges offering Minor courses shall be teach the courses in offline in the concerned departments. Curriculum and the syllabus of the courses shall be approved by the Board of Studies

(c) Students shall produce a certificate issued by the NPTEL/SWAYAM etc., conducting agency as a proof of credit attainment.

(d) The teaching and evaluation procedure of Minors courses offering in offline mode shall be similar to that of regular B. Tech courses

(e) After successful completion of all major and Minors degree courses with specified CGPA will award B. Tech with Minors

(v) Evaluation:

(a) The examination for the Minors courses offered in offline shall be conducted along with regular B. Tech programme.

(b) The examinations (internal and external) and evaluation procedure of Minors courses offered in offline is similar to regular B. Tech courses.

(c) It may be noted that both major and Minors courses (from IV Sem to VII Sem) are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students.

(d) There is no supplementary examination for the failed subjects in an Minor courses.

(e) For awarding the class, CGPA obtained in Major Degree only will be considered.

(f) For awarding the Minors's, obtained credits only will be considered.

14. **Guidelines for offering a B.Tech with Honours Degree:** The objective of introducing B.Tech.(Hons.)is to facilitate the students to choose additionally the specialized courses of their choice and build their competence in a specialized area in the UG level. The programme is a best choice for academically excellent students having good academic record and interest towards higher studies and research.

(i) **Applicability and Enrolment:**

(a) To all B. Tech (Regular and Lateral Entry) students admitted (under R23 regulations) in Engineering & Technology with *CGPA of 7.0 up to III Semester, without any backlogs and backlog history.*

(b) It may be noted that both regular degree and Honors degree are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students, without any backlog history.

(c) The department offering the Honors will announce courses required before the start of the session.

(d) The interested students shall apply for the Honors course to the HOD of the concerned department.

(e) The whole process should be completed within one week before the start of every session.

(f) Selected students shall be permitted to register the courses for Honors degree.

(g) If the student wishes to withdraw/ change the registration of subject/course, he/she shall inform the same to HODs within two weeks after registration of the course.

(h) There is no fee for registration of subjects for major degree programme offered in offline.

(i) For applicability of Honors degree, both regular B Tech and Honors degree courses shall be successfully completed.

(j) Transfer of credits from a particular minor to regular B.Tech or another major degree and vice-versa shall not be permitted

(ii) **Entry level**

(a) The B.Tech students (both Regular and Lateral Entry) pursuing a major degree programme can register for Honors degree at their choice in the same department / *allied (as mentioned in AICTE Handbook)* offering major degree from IV semester onwards.

(b) Students registering for Honors degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing major degree in Electrical & Electronics Engineering, select subjects in Electrical & Electronics Engineering only and he/she will get major and Honors degree in Electrical & Electronics Engineering

(c) *Students shall not be permitted to register for Honors degree after completion of VI semester.*

(d) Students shall be permitted to select *a maximum of two subjects per semester* from the list of subjects specified for Honors degree other than lab courses.

(e) The students shall complete *Honors degree without supplementary appearance* within stipulated period as notified by the college for the completion of regular major B. Tech programme.

(f) Honors degree shall not be awarded at any circumstances *without completing the regular major B. Tech programme* in which a student got admitted

(g) If a student is detained due to *lack of attendance, he/she shall not be permitted to register the courses for Honors degree*

(h) The subjects completed under Honors degree programme shall not be considered as equivalent subjects in case the student fails to complete the major degree programme

(i) Students completed their degree shall not be permitted to register for Honors degree

(iii) Structure of Honors in B. Tech:

    (a) The student shall earn additional *18 credits for award of Honors degree from same branch/department/allied (as mentioned in AICTE Handbook)* registered for major degree. Out of the 18 extra credits required to obtain the Honors degree, at least **SIX Credits (i.e., two courses of 3 credits each**) must be earned from NPTEL/SWAYAM MOOC Courses and 15 credits (**i.e., five courses of 3 credits each**) from advanced courses in the concerned department/discipline.

    (b) Students can complete Honors degree courses *either in the college or online* from platforms like NPTEL/SWAYAM etc.

    (c) The overall attendance in each semester of regular B. Tech courses and Honors degree courses shall be computed separately

    (d) Student having less than **65% attendance in Honors courses shall not** be permitted for "Honors Course(s) semester end examinations".

    (e) A student detained due to *lack of attendance in regular B. Tech programme* shall not be permitted to continue Honors programme

    (f) *The teaching, examinations (internal and external) and evaluation procedure of Honors degree courses offered in offline* is similar to regular B. Tech courses

    (g) Students may choose theory or practical courses to fulfill the minimum credit requirement.

    (h) Students shall be allowed to take *maximum two subjects per semester* pertaining to their Honors degree other than lab courses

    (i) The students *registered for minor shall not be permitted* to register for B. Tech (Honors)

(iv) Credits Requirement:

    (a) A Student will be eligible to get B. Tech (Honors), if he/she completes an additional 18 credits. These may be acquired either in offline or online like NPTEL/SWAYAM etc by doing 8/12/16 week courses covering 2/3/4 credits.

    (b) The colleges offering Honors degree courses shall be teach the courses in offline in the concerned departments. Curriculum and the syllabus of the courses shall be approved by the Board of Studies

    (c) Students shall produce a certificate issued by the NPTEL/SWAYAM etc., conducting agency as a proof of credit attainment.

    (d) The teaching and evaluation procedure of Honors courses offering in offline mode shall be similar to that of regular B. Tech courses

    (e) After successful completion of all major and Honors degree courses with specified CGPA will award B. Tech (Honors)

(v) Evaluation:

    (a) The examination for the Honors degree courses offered in offline shall be conducted along with regular B. Tech programme.

    (b) The examinations (internal and external) and evaluation procedure of Honors degree courses offered in offline is similar to regular B. Tech courses.

    (c) It may be noted that both major and Honors courses (from IV Sem to VII Sem) are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students.

    (d) There is no supplementary examination for the failed subjects in an Honors degree programme.

    (e) For awarding the class, CGPA obtained in Major Degree only will be considered.

    (f) For awarding the Honor's, obtained credits only will be considered.