

**DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE &
TECHNOLOGY MURTHAL (SONEPAT)**

(A Haryana State Government NAAC-accredited University)

(Established Under Haryana Legislature Act No. 29 of 2006)



ACADEMIC ORDINANCE

FOR

UNDERGRADUATE PROGRAMMES

**BACHELOR OF TECHNOLOGY
(Aligned with NEP)**

Table of Contents

ORDINANCE 2024-25 - B.TECH	3
1. SHORT TITLE AND COMMENCEMENT.....	3
2. DEFINITIONS.....	3
3. PRELIMINARIES	5
4. PROGRAMME DURATION.....	6
5. ADMISSIONS	6
6. CHANGE OF BRANCH.....	7
7. CURRICULUM STRUCTURE.....	7
8. REGISTRATION	11
9 ATTENDANCE AND DETENTION.....	12
10. READMISSION/ADMISSION CANCELLATION/RE-REGISTRATION FOR THE COURSES	13
11. PROMOTION	13
12. SUMMER SEMESTER	14
13. COURSE COORDINATION COMMITTEE	15
14 EXAMINATION	16
15 EVALUATION PROCESS.....	17
16. GRADING SYSTEM:.....	21
17. PASSING A COURSE AND RESULT.....	23
18. PROGRAMME EXIT OPTIONS	25
19. AWARD OF DEGREE AND MEDALS	25
20. SCHOLARSHIP	27
21. PROVISIONS DURING TRANSITION PERIOD.....	27
22. INTERPRETATION OF THE ORDINANCE AND POWER TO MODIFY.....	28

**DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE &
TECHNOLOGY MURTHAL (SONEPAT) (DCRUST)
ORDINANCE FOR NEP ALIGNED BACHELOR OF TECHNOLOGY
(B.TECH.)**

ORDINANCE 2024-25 - B.TECH

This Ordinance provides comprehensive information regarding the B.Tech. programmes. It shall apply to all the B.Tech. Programmes (in both English and Hindi mediums) offered by the University. New B.Tech. programmes, as proposed by the respective Board of under-graduate studies (BoUGS), may be added or existing ones removed with the approval of the Academic Council and the Executive Council of the University.

This Ordinance shall be read in conjunction with other applicable rules, including those related to re-evaluation, punishment in the case of Unfair Means Cases (UMC), awards of medals, examination regulations, and other relevant regulations, as amended from time to time.

1. SHORT TITLE AND COMMENCEMENT

- 1.1.** This Academic Ordinance shall be called DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY MURTHAL (SONEPAT) Academic Ordinance-B.Tech.-2024-25.
- 1.2.** The Ordinance shall be effective for all B.Tech. students admitted from the 2024-25 academic year onwards.

2. DEFINITIONS

In the following, unless the context requires otherwise,

- i. “Academic Programme”** shall mean a programme of courses or any other component leading to a Bachelor of Technology degree, as approved by the Board of under-graduate studies (BoUGS) from time to time.
- ii. “Academic Year”** shall mean nearly twelve months devoted to the completion of requirements specified in the Scheme of Studies and Examination.
- iii. “Candidate”** shall mean an individual who applies for admission to any undergraduate (UG) B.Tech. programme of the University.
- iv. “BoUGS”** shall refer to the Board of under-graduate studies of the relevant department.

- v. **“Branch”** shall mean the branch of knowledge studied by a student.
- vi. **“B.Tech.”** shall mean Bachelor of Technology.
- vii. **“CBCS”** shall refer to the Choice-Based Credit System.
- viii. **“CCFUP”** shall mean the UGC-formulated Curriculum and Credit Framework for Undergraduate Programmes.
- ix. **“CCC”** shall mean the Course Coordination Committee.
- x. **“CGPA”** shall mean the Cumulative Grade Point Average.
- xi. **“CoE”** shall mean the Controller of Examinations of the University.
- xii. **“Course”** shall mean a curriculum component of the academic programme identified by a designated code number, a title and specific credits assigned to it.
- xiii. **“Department”** shall mean a Department established in the University for running the academic and research activities in a specified area.
- xiv. **“EC”** shall mean the Executive Council of the University.
- xv. **“ESE”** shall mean the final regular End-Semester Examination.
- xvi. **“Examiner”** shall mean the person who has been appointed as examiner.
- xvii. **“Chairperson”** shall mean the chairperson of the department.
- xviii. **“IKS”** shall mean Indian Knowledge System.
- xix. **“JEE-Main”** shall mean the Joint Entrance Examination (Main), conducted by the National Testing Agency.
- xx. **“NRI Student”** shall mean the student who is admitted under the Non-Resident Indian category.
- xxi. **“OCI”** shall mean Overseas Citizens of India.
- xxii. **“PIO”** shall mean Person of Indian origin.
- xxiii. **“Registration”** shall mean registration for a specific course or Semester, at the start of the Semester, of any programme of the University.
- xxiv. **“Semester system”** shall mean a programme wherein each academic year is apportioned into two semesters.
- xxv. **“AC”** shall mean the Academic Council of the University.
- xxvi. **“SGPA”** shall mean the Semester Grade Point Average.
- xxvii. **“Student”** shall mean a student registered for an undergraduate programme for full-time study leading to the Bachelor of Technology degree.
- xxviii. **“UG”** shall mean Undergraduate.
- xxix. **“University”** shall mean the DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL (SONEPAT) (DCRUST).
- xxx. **“VAC”** shall mean Value Added Courses.

3. PRELIMINARIES

DCRUST has implemented the National Education Policy (NEP) 2020 in letter and spirit. The curriculum framework has also adopted the norms and standards set forth by the All India Council for Technical Education (AICTE). The B.Tech. courses at DCRUST are renowned for their academic depth and flexibility in professional learning, offering options to earn minor/specialization or extra credits. Having an apt mix of basic sciences, engineering sciences, professional core in the major discipline, humanities courses, management subjects, project work, open electives, and industrial training courses gives students a professional edge. The system stimulates broad-spectrum learning, including the Indian Knowledge system. The non-credit component of the curriculum not only helps students to develop their character and personality but also enables them to understand the needs of society and contribute effectively towards addressing these social challenges. DCRUST follows a credit-based semester system. There are two Semesters in an academic year (ODD: July – November and Even: January – May) during which all courses specified for various degree programmes are offered. There is one additional term of atleast seven weeks during summer. DCRUST is a very student-friendly university, and all efforts are made to ensure that students are provided with the best opportunities needed to create an outstanding pool of human resources to meet global challenges in all spheres.

3.1 The B.Tech. Degree will have multiple exit options with a minimum duration, as given below:

Exit Level	Certification	Normal Duration
I	UG Certificate in the relevant discipline of Engineering	One Year (Two Semesters)
II	UG Diploma in the relevant discipline of Engineering	Two Years (Four Semesters)
III	B.Voc. in the relevant discipline of Engineering	Three Years (Six Semesters)
IV	B.Tech. in the relevant discipline of Engineering	Four Years (Eight Semesters)
	B.Tech. (Hons.) in the relevant discipline of Engineering	

3.2 The eligibility criteria for admission to each programme/entry at various levels, fee structure, academic calendar, Scheme of Studies

and Examination, sports calendar and, cultural activity calendar etc., for the academic year shall be decided by the University from time to time and published in the prospectus/University website/separate guidelines/regulations.

- 3.3** The University shall provide the facility of Academic Bank of Credits in consonance with UGC (Establishment and Operationalisation of Academic Bank of Credits (ABC) Scheme in Higher Education) Regulations, 2021, as amended from time to time.
- 3.4** In addition to the provisions contained in this Ordinance, academic programmes governed by a Regulatory Authority shall also revise/amend the essential requirements prescribed by the respective Regulatory Authority and adopt them after due approval by AC/EC as applicable.

4. PROGRAMME DURATION

- 4.1** An academic year shall consist of two semesters (odd and even), each of approximately 20 weeks duration, inclusive of the examination period.
- 4.2** Teaching for odd semesters typically occurs from July to November, and for even semesters, from January to May.
- 4.3** The duration of the programme shall have a maximum span of seven years.
- 4.4** The Bachelor of Technology Degree courses shall extend over a minimum period as defined in clause 3.1.

5. ADMISSIONS

- 5.1.** Admission to the B.Tech. Programme shall be as per the Government of Haryana/University guidelines as applicable from time to time.
- 5.2.** Reservations in admission shall be made in accordance with the guidelines of the Government of Haryana, as applicable from time to time.
- 5.3.** Entry at different levels will be subject to the following:
- 5.3.1** Entry through LEET in III-semester B.Tech. will be as per Government of Haryana guidelines. Students admitted based on a 3-year diploma in the III-semester under the LEET scheme are exempt from first-year courses.
 - 5.3.2** Entry for students other than LEET scheme, at various levels will be processed according to the guidelines and regulations issued by the University from time to time.

5.4. Admission for foreign nationals, OCIs (Overseas Citizens of India), and non-resident Indians (NRIs) will be conducted on supernumerary seats as per University norms, adopting the guidelines of the Government of Haryana/GOI/UGC/AICTE as applicable from time to time.

5.5. Admission to other Supernumerary seats will be made in accordance with University norms, based on the guidelines of the Government of Haryana/GOI/UGC/AICTE as applicable from time to time.

6. CHANGE OF BRANCH

6.1 A change of branch is a privilege, not a right of the student. Change of branch shall be carried out on the basis of JEE Mains rank, against the vacant seats only, in the respective categories.

6.2 Students admitted to B.Tech. Programmes are eligible for consideration for a change of branch to any of the Engineering branches.

6.3 Only those students admitted to B.Tech. are eligible to be considered for a change of branch after the first (odd) Semester, as per the following rules:

6.3.1 The student must have fulfilled the mandatory criteria of attendance as per Clause 9, and the student's name does not appear in the detention list for any course.

6.3.2 He/she must not have been punished for any offence by the University at any time before the notification for the change of branch.

6.3.3 The students must apply by the specified deadline for change of their branch.

6.4 Students may select up to five (5) branch choices in order of preference to which they wish to change. It will not be permissible to alter the choices after they have applied.

6.5 The branch allocated after the request for a change of branch will be final and binding on the applicants. Under no circumstances will any student be permitted to refuse the change of branch offered.

7. CURRICULUM STRUCTURE

7.1. The University shall formulate a well-defined structure for the Scheme of Studies and Examination for the B.Tech. programme duly approved by the Academic Council. This structure shall be uniformly applicable to all B.Tech Programmes.

- 7.2.** This Scheme of Studies and Examination shall incorporate the norms and standards prescribed by AICTE and shall also be based on the UGC-formulated Curriculum and Credit Framework for Undergraduate Programmes (CCFUP).
- 7.3.** The courses and syllabi of studies for various B. Tech. Programmes/branches will be approved by the Academic Council on the recommendation of the respective BoUGS through the faculty concerned based on the Scheme of Studies and Examination mentioned in Clause 7.1.
- 7.4.** The B. Tech. programme shall have well-defined Programme Educational Objectives (PEOs).
- 7.5.** The each B. Tech. Programme/branch shall have well-defined Programme Specific Outcomes (PSOs), in addition to Program Outcomes (PO) as defined by the National Board of Accreditation.
- 7.6.** The medium of instruction for the courses shall ordinarily be English or Hindi as applicable, except otherwise decided by the Academic Council. The classes of Hindi Medium students will be engaged as per the guidelines issued by the university till the Government of Haryana issues any such guidelines/approval in this regard.
- 7.7.** A course may be designed to comprise of lectures, tutorials, laboratory work, fieldwork, outreach activities, project/research work, vocational/industrial training/internship, seminars, term papers, assignments, presentations, etc., or a combination of some of these components.
- 7.8.** All courses/subjects shall have well-defined Course Outcomes (COs).
- 7.9.** The Course Outcomes and CO-PO-PSO Articulation Matrix shall also be specified for all courses/subjects.
- 7.10.** Courses shall be of various kinds: Core, Elective, Basic Science, Engineering Science, and Value-Added Courses.
- 7.10.1 Professional Core Course (PCC):** This is a course that must be compulsorily studied by a student as a core requirement to fulfill the requirements of the B.Tech. branch. A core may be of the following types:
- a) Professional Centric Courses:** This is a core course that enhances students' proficiency in their chosen field of study.
- b) Skill Enhancement Courses:** These courses aim to impart practical skills, hands-on training, and workshop-based skills in the relevant branch to enhance students' employability. The University/institution may design courses as per the students' needs and available institutional resources.
- 7.10.2 Elective Course:** An elective course is a course that can be chosen from a pool of available courses in addition to the mandatory professional core courses. It is intended to support the field of study by providing students the opportunity to

explore specific interests, develop new skills, and personalize their learning experience. They also allow for an expanded scope, enabling exposure to another discipline or domain and nurturing a student's proficiency and skills. An elective may be of the following types:

a) Professional Elective Course (PEC): This is an elective course designed to enhance students' proficiency in their field of study.

b) Open Electives (OE)

i. Interdisciplinary Open Elective: It is an elective course drawn from the PCC or PEC baskets of other engineering branches, enhancing the generic proficiency and interdisciplinary perspective of students.

ii. Multi-disciplinary Open Elective: This is an elective course taken from non-engineering disciplines that broadens the perspective of an engineering student.

7.10.3 Foundation Courses: These courses are based on content that leads to fundamental knowledge enhancement in the sciences, humanities, social sciences, and basic engineering principles, as per the AICTE guidelines. They are mandatory for all branches. Foundation Courses may be of the following types:

a) Basic Science Courses (BSC): These are foundational courses in mathematics and sciences that are required for a better understanding of Engineering Courses.

b) Humanities, Social Sciences, and Management courses (HMSC): These are ability enhancement courses designed to achieve competency in a Modern Indian Language (MIL) or English language, with a special emphasis on language and communication skills. The courses will also emphasize the development and enhancement of skills such as communication and the ability to participate in and conduct discussions and debates.

c) Engineering Science Courses (ESC): These foundational courses are designed from other engineering disciplines, enhancing students' generic proficiency and interdisciplinary perspective.

d) Community Engagement/Community Internship: This course is designed to expose students to socio-economic issues in society, supplementing theoretical learning with real-life experiences to generate solutions to actual problems.

7.10.4 Industrial/Research Internship, Project Work: All students will also undergo internships or apprenticeships in industry, or organization, or Training in labs with faculty and researchers from their own or other Universities/organizations, with induction into actual work situations. Students may also

undertake an internship/apprenticeship in the Government Schemes.

7.10.5 Value-Added Courses (VAC): These can be selected from a pool of courses. These courses aim to provide undergraduate students with a holistic education that extends beyond their core subjects. These courses aim to cultivate responsible, skilled, and well-rounded individuals who can make meaningful contributions to society.

The requirements for the various types of courses i.e. BSC, ESC, PCC, PEC, OE VAC, & Summer Internship Project, shall be as specified in the Scheme of Studies and Examination mentioned in Clause 7.1.

7.11. Each course contributes a certain number of credits to the programme. One credit is equivalent to one hour of teaching (theory/tutorial) or 2 hours of practical, field, or project work per week. The number of credits per course/Teaching scheme (LTP structure) will be as specified in the scheme structure mentioned in Clause 7.1.

7.12. A project is considered a special course that involves applying the knowledge gained during study to explore, analyze, and solve complex problems. A candidate shall complete such a course with advisory support by one or more faculty members. It is mandatory to pass the project courses to become eligible for the award of the applicable B.Tech. Degree.

7.13. Practical/Industrial training is also considered a special core course, involving the application of knowledge gained during the course of study in an industry/research laboratory, etc. A candidate shall complete such a course with advisory support from mentors in the industry/ research labs. It is mandatory to pass the practical training course to become eligible for the award of a B.Tech. Degree.

7.14. In addition to the above courses, a 2-credit course on Community Engagement (Community Internship) is mandatory for the award of a B.Tech. Degree. The course will be conducted in accordance with the guidelines issued by the University from time to time. The evaluation will be based solely on continuous assessment.

7.15. Each Programme (department) shall offer **Professional Elective** courses in three to four specialization areas of the core branch. Students who earn credits from at least five elective courses from an area of specialization may be offered a degree in “B.Tech (---), with a Specialization in X”. Students can also be awarded the degree with a minor in the area of other Engineering branches/non engineering branch if he/she earns credits from Interdisciplinary/Multidisciplinary open elective courses.

7.15.1 The student shall be awarded a minor in an area of another branch of Engineering, if he/she earns credits from at least five courses from the PEC basket of the area of that branch.

- 7.15.2 The student shall be awarded a minor in an area of non-Engineering branch, if he/she earns credits from at least five courses from the basket of the area of that branch.
- 7.16.** Apart from the above courses, some courses may be offered during the summer vacations. These courses aim to expand the knowledge or bridge knowledge deficiencies or skills gaps to enhance the employability of students.
- 7.17. NPTEL COURSES:**
- 7.17.1 The University may allow up to 20% of the total courses being offered in a particular program in a Semester through the online learning courses offered through NPTEL-based courses as per the University guidelines issued from time to time.
- 7.17.2 The registration/examination fees (if any) for such online courses shall be borne by the students in addition to the regular semester & examination fees.
- 7.17.3 The NPTEL courses to be offered must be approved by the concerned Chairperson, UGBoS, on the recommendation of a departmental committee. This will be reported to UGBoS at its next meeting.
- 7.17.4A “K” credit NPTEL course will have a course structure of L-T-P: K-0-0 For example 4-0-0/2-0-0.
- 7.18.** The B.Tech. programme shall comprise of a minimum of 172 credits.
- 7.19.** During V to VIII Semester, the student may opt for variable credits. The minimum and maximum credits in a semester, shall be as specified in the Scheme of Studies and Examination.
- 7.20.** A student may earn a maximum of 200 credits by opting for the maximum no. of credits during the V to VIII semesters. Such students may be awarded more than one Minor / Specialisation if he/she satisfies the conditions mentioned in Clause 7.15.

8. REGISTRATION

- 8.1** Every student is required to pay the applicable fee and register for courses at the beginning of each semester. The Teaching Department/Institution shall make provisions for Course Registration.
- 8.2** Each student who continues in the programme in the succeeding semester shall fill-up a pre-registration form indicating the courses he/ she intends to register for the semester as per the Scheme of Studies and Examination. An academic advisor for each semester, appointed by the chairperson, shall assist the students in selecting courses for the semester, so that a student can get maximum

benefit of NEP (after considering the case of change of branch, if any). The registration form will be signed by the student and verified by the chairperson concerned. The chairperson's office will maintain this record.

- 8.3** To float an Elective Course, a minimum of 10 students should have registered for the course during the semester. However, if a department wants to offer elective courses for fewer than 10 students, these shall not be included in the teaching load.
- 8.4** In cases where admissions or promotions remain below 10 students in any B.Tech. programme, Clause 8.3 will not be applicable, and only one elective will be offered.
- 8.5** The maximum class strength for an elective course shall be determined solely by the department offering the course.

9 ATTENDANCE AND DETENTION

- 9.1.** Students of the programme are expected to attend every lecture, tutorial, and practical class scheduled for them.
- 9.2.** The students must have a minimum attendance of 75% of the total number of classes, including lectures, tutorials and practical classes, held in a subject till the last day of teaching for that semester.
- 9.3.** A candidate's attendance percentage shall be calculated from the date of admission of the candidate or the first day of the start of the semester, whichever is later.
- 9.4.** The Chairperson of the department may condone a deficiency of up to 10% in attendance for reasons to be recorded. This relaxation may be granted upon production of documents showing that the student was either engaged in authorized sports/cultural/technical activities or was absent due to medical or other genuine reasons. The student should submit these documents to the Chairperson within seven days of resuming their studies; in all cases, the documents must be submitted before the last day of teaching for that semester. Certificates submitted after the deadline will not be considered.
- 9.5.** The Dean Academic Affairs/Director-Principal may allow a further condonation of 5% in attendance in severe/compassionate circumstances on the recommendation of chairpersons.
- 9.6.** While making recommendations under Clause 9.4 and 9.5, Chairpersons should discourage the repeated request for condonation by a student in particular.
- 9.7.** Additionally, 10% attendance relaxation may be allowed by the Vice-Chancellor through Dean Academic Affairs on the recommendation of the Chairperson concerned, only if a student participates in a state/national/international sports event, state/national/international youth festival or State/National level

NCC & NSS events, including journey days, if any, provided the candidate has attended at least 50% of the classes. However, the students may not treat it as a matter of right.

- 9.8. Maternity leave shall be allowed as per approved University norms.
- 9.9. In the event that a student fails to fulfill the necessary attendance requirement in any subject(s) in any semester, they will be detained only in those subject(s) in which their attendance falls below the stipulated norms will be considered as fail in such subject(s) due to detention.
- 9.10. Concerned Chairpersons will issue detention or admission cancellation orders after obtaining approval from the Dean of Academic Affairs/Director or Principal, as applicable.

10. READMISSION/ADMISSION CANCELLATION/RE-REGISTRATION FOR THE COURSES

- 10.1 At the student's request, admission may be cancelled at any time during the programme after the admission process is complete. A refund of the security amount, as well as any other applicable fees, will be made in accordance with university rules. During the admission process, the rules defined therein will be followed.
- 10.2 If a student is continuously absent for the entire semester without prior intimation and has not paid the semester's requisite fee, his/her registration/admission shall be cancelled.
- 10.3 If a candidate has registered himself/herself and the requisite fee has been deposited & the candidate is absent during a semester to the extent that he/she is unable to fulfill the requirement of attendance as per Clause 9, then such a student will be considered as **Fail** in the subject concerned due to detention/shortage of attendance. The student(s) will need to re-register for those subjects in the subsequent year(s) or summer semester(s), subject to a maximum of 28/30 credits as per time-table slot availability, including both regular registration and re-registration, per semester.

11. PROMOTION

- 11.1. The student will be eligible to register and continue in the next academic year only if he/she has not more than a total of five backlogs in courses, excluding internships/training.
- 11.2. The CoE will declare the list of students who are not promoted to the succeeding/next academic year.

- 11.3.** Only those students who were eligible to continue in an odd semester will only be allowed to register in subsequent even semester.
- 11.4.** A student who has failed a course must re-register for it again in a subsequent year or summer semester, subject to a maximum of 28/30 credits as per time-table slot availability, including both regular registration and re-registration, per semester.
- 11.5.** If the student does not want to re-register again in an elective course (i.e., PEC, OE, VAC, but not PCC or BSC/ESC courses) in which they have failed, they can re-register for a different elective course in lieu of the courses he/she has failed.
- 11.6.** The summer semester may be run as per guidelines issued by the University from time to time.
- 11.7.** If a student wants to improve his/her grade in a core course, he/she has to register again for that core course. However, the best grade in that particular course shall be considered for the computation of SGPA/CGPA.
- 11.8.** For re-registration in the subjects mentioned in Clause 10.3 and Clause 11.4, the candidate must apply at least 15 days prior to the start of the Semester to the relevant department. The Teaching Department/Institution will make the necessary provisions before the start of the Semester. After the approval of the Dean Academic Affairs, the student will deposit the requisite course re-registration fee along with other regular semester/examination fees.

12. SUMMER SEMESTER

- 12.1 A Summer Semester may be organised during the summer vacation as a remedial measure to enable undergraduate students to make up for their academic deficiencies. Running a summer course is solely at the discretion of the department/institute/university, as it is not the student's right.
- 12.2 Apart from the curricular courses, some bridge/skill/proficiency courses may be offered during the summer semester. These courses aim to expand the knowledge or bridge knowledge deficiencies or skills gaps to enhance the employability of the students.
- 12.3 The students are eligible to register for a course in the Summer semester, only if the course is offered, after paying the required fee along with the application in a prescribed form.
- 12.4 A student can register for a maximum of two subjects during a Summer semester.

- 12.5 All students intending to join a Summer semester must register for the relevant subjects on the designated registration day. No late registration will be permitted under any circumstances.
- 12.6 Eligibility for summer semester:
- 12.6.1 Only students who have cleared all university dues to date and paid the necessary fees and Mess Advances for the Summer semester for which they are registering will be permitted to register for a subject offered in that summer semester.
 - 12.6.2 A student will be eligible to register in a subject if he/she fails due to a shortage of attendance or fails after appearing in the examination.
 - 12.6.3 A student who is graduating and wants to improve his/her credits.
- 12.7 The duration of the Summer semester shall be at least seven weeks. The exact dates for holding the Summer semester for a particular session shall be decided every year while finalising the Academic Calendar.
- 12.8 The weekly lectures and tutorials of a subject taught in the Summer semester shall be twice the corresponding load it carries during the regular Semester. The credits allotted to it shall, however, remain the same.
- 12.9 The project work & internship will not be allowed in Summer semester.
- 12.10 The attendance requirement for the Summer semester shall be the same as for a regular semester. A student who does not satisfy the norms will not be allowed to appear for the examination. Such students shall be considered as fail due to detention.
- 12.11 Assessment for the Summer semester
- 12.11.1 The teacher(s) offering a particular subject during the Summer Semester shall take care of all aspects of the internal component of the subject, viz., lectures, tutorials, practical, assignments, etc.
 - 12.11.2 The external evaluation component will follow regular semester guidelines, and the end-semester examinations will be centrally arranged.
- 12.12 The University may issue revised guidelines for running the summer semester from time to time.

13. COURSE COORDINATION COMMITTEE

- 13.1 The Course Coordination Committee (CCC) shall comprise of all the teachers teaching a course. However, where less than two teachers are teaching the course, the Chairperson may nominate a two-member committee. The convener of the CCC shall be nominated

by the chairperson, before the beginning of the Semester. Only a regular faculty will be appointed as convener of the CCC. The Course Coordination Committee for project/training based courses shall comprise of three faculty members nominated and chaired by the Chairperson or his/her nominee, at the level of Professor/Associate Professor. The Dean of concerned Faculty shall notify the list of CCC.

13.2 The CCC shall have the following functions-

- 13.2.1 To lay the guidelines for teaching and evaluating the course including the design of practicals, well in advance of the starting of the Semester.
- 13.2.2 To prepare a lecture-wise teaching plan of the course as per University approved format for the same.
- 13.2.3 To coordinate the preparation of quizzes, assignments, test papers etc. for continuous assessment as described. Projects and training-based courses shall be dealt with similarly.
- 13.3 Convener CCC shall set the Minor question papers in consultation with CCC members.
- 13.4 CCC shall prepare the marking scheme of minor question paper to ensure uniformity of evaluation across all sections of a particular course.
- 13.5 To consider the individual representations of the students about teaching/evaluation of Minor etc. and take remedial action, if needed.
- 13.6 The University shall issue guidelines for additional roles and responsibilities of CCC from time to time.
- 13.7 The teacher(s) concerned should ensure that 100% syllabus is covered in his/her course before the start of semester examinations.

14 EXAMINATION

- 14.1 In addition to continuous assessment, an examination will be conducted at the end of each Semester, based on the AICTE examination reform policy 2018, wherein candidates will be examined on the courses studied during that Semester. Each semester examination shall be designated as First Semester Examination, Second Semester Examination, Third Semester Examination and so on. The total marks for each course will be 100.
- 14.2 The examination shall be open to a candidate who has regularly attended the prescribed courses of studies for the relevant semester examination in the department/affiliated institutions recognized by the University for the Bachelor of Technology degree

is not received in time from a paper setter, CoE shall get the paper set from an alternate examiner who is otherwise competent to do so from the panel approved by BoUGS. The answer script evaluation shall be conducted in accordance with the procedure established by the University.

15.2 **Practical End-Semester (PES) Examination:**

External and internal examiners shall conduct practical and viva voce examinations jointly. The Controller of Examinations shall appoint an external examiner from a panel of examiners submitted by the Chairperson of BoUGS, which has been duly approved by the respective BoUGS and an internal examiner by the Chairperson of the university department or Director/Principal of the affiliated institute, as the case may be. If the external examiner appointed by the CoE is unavailable, the Chairperson of the University's teaching department or the Director shall appoint an alternate examiner from the panel of examiners submitted by the Chairperson of the BoUGS, duly approved by the respective BoUGS.

15.3 **Continuous Assessment:**

The continuous assessment will be evaluated by the teachers of the various subjects based on the work done during the semester the basis of the following weightage:

15.3.1 **THEORY & PRACTICALS COURSES:**

AICTE Course Type	Course Code	Course	L	T	P	Credits	Evaluation Scheme					Total Marks
							Theory			Practical		
							Minors	TCA	TES	PCA	PES	
BSC/ESC/P CC	--	--	3	1	0	4	15	25	60	-	-	100
--	--	--	3	0	2	4	15	10	50	15	10	100
--	--	workshop-based/ skill-based/hands-on-based course	2	0	4	4	15	05	30	30	20	100

L-T-P – 3-1-0 or 4-0-0

Sr.No.	Component	Types of Assessment	% Weightage of Marks	Marks
1	Minors (15 Marks)	Minor-I	50 %	7.5
		Minor-II	50 %	7.5
2	TCA (Theory Continuous Assessment) 25 Marks	Assignment(s)/Quiz/Class Test /Mini project /Presentations	40 %	10
		One Mandatory Class Test	20 %	05
		Teacher's Assessment based on Performance in the class & Attendance	40%	10
		(Depending upon the requirement, of course, the CCC will decide the continuous assessment.)		

L-T-P – 3-0-2

Sr.No.	Component	Types of Assessment	% Weightage of Marks	Marks
1	Minors (15 Marks)	Minor-I	50 %	7.5
		Minor-II	50 %	7.5
2	TCA (Theory Continuous Assessment) 10 Marks	Assignment(s)/ Quiz/Class Test /Mini project /Presentations	40 %	4
		One Mandatory Class Test	20 %	2
		Teacher's Assessment based on Performance in the class & Attendance	40%	4
		(Depending upon the requirement of course, the CCC will decide the continuous assessment.)		
3	Practical Continuous Assessment (PCA) 15 Marks	Presentation/Report /Drawing Sheet/Lab Test/Lab Record	60 %	9
		Performance in the class & Attendance	40 %	6
		(Depending upon the requirement of course, the CCC will decide the continuous assessment.)		

L-T-P – 2-0-4

Sr. No.	Component	Types of Assessment	% Weightage of Marks	Marks
1	Minors (15 Marks)	Minor-I	50 %	7.5
		Minor-II	50 %	7.5
2	TCA (Theory Continuous Assessment) 05 Marks	Assignment(s)/ Quiz/Class Test /Mini project /Presentations	60 %	3
		Teacher's Assessment based on Performance in the class & Attendance	40%	2
		(Depending upon the requirement of course, the CCC will decide the continuous assessment.)		
3	Practical Continuous Assessment (PCA) 30 Marks	Presentation/Report /Drawing Sheet/Lab Test/Lab Record	60 %	18
		Performance in the class & Attendance	40 %	12
		(Depending upon the requirement of course, the CCC will decide the continuous assessment.)		

15.3.2

PROJECT/INTERNSHIP/SEMINAR

AICTE Course Type	Course Code	Course	L	T	P	Credits	Evaluation Scheme					Total Marks
							Theory			Practical		
							Minors	TCA	TES	PCA	PES	
Project	--	Project-I	o	o	8	4	-	-	-	40	60	100
Project	--	Project-II	o	o	16	8	-	-	-	40	60	100
Seminar		Seminar	-	2	-	0	-	100	-	-	-	100
		Community/ Summer Internship	As per the scheme of studies and examinations									

PROJECT/SEMIANR/COMMUNITY/ SUMMER INTERNSHIP

Sr.No.	Component	Types of Assessment	% Weightage	Marks
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			of Marks	
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AICTE COURSE TYPE	Course	L	T	P	Credits	Evaluation Scheme					Total Marks
						Theory			Practical		
						Minor Tests	TCA	TES	PCA	PES	
SEC	SEC: Skill Enhancement Course	2	0	0	2	-	100	-	-	-	100
		1	0	2	2	-	50	-	50	-	100
		0	0	4	2	-	-	-	100	-	100
VAC	VAC: Value Addition Course	2	0	0	-	-	100	-	-	-	100
		1	0	2	-	-	50	-	50	-	100
		0	0	4	-	-	-	-	100	-	100
1	Practical Continuous Assessment (PCA) 40 Marks	Project Report and Mid-semester Presentation (by the panel of internal examiners)							60 %		24
		Performance & Attendance by internal/ external supervisor							40 %		16
		(Depending upon the requirement of course, the CCC will decide the continuous assessment.)									

15.4 VALUE ADDED AND SKILL ENHANCEMENT Courses:

L-T-P – 2-0-0

Sr.No.	Component	Types of Assessment	% Weightage of Marks	Marks
1.	TCA (Theory Continuous Assessment) 100 Marks	Two Mandatory Class Tests	40 %	40
		Assignment(s)/Quiz/Additional Class Tests /Mini project /Presentations	30 %	30
		Teacher's Assessment based on Performance in the class & Attendance	30%	30

L-T-P – 1-0-2

Sr. No.	Component	Types of Assessment	% Weightage of Marks	Marks
2.	TCA (Theory Continuous Assessment) 50 Marks	One Mandatory Class Test	40 %	20
		Assignment(s)/ Quiz/Class Test /Mini project /Presentations	30%	15
		Performance in the class & Attendance	30%	15
3	Practical Continuous Assessment (PCA) 50 Marks	One Mandatory Lab Test	40 %	20
		Project Report/Seminar Presentation/Drawing Sheet/Lab Test	30%	15
		Teacher's Assessment based on Performance in the class & Attendance	30%	15

L-T-P – 0-0-4

Sr. No.	Component	Types of Assessment	% Weightage of Marks	Marks
1.	Practical Continuous Assessment (PCA) 100 Marks	Two Mandatory Practical Class Tests	40 %	40
		Project Report and Mid-Semester Presentation	30 %	30
		Teacher's Assessment based on Performance in the semester & Attendance	30 %	30
		(Depending upon the requirement of course, the CCC will decide the continuous assessment.)		

- 15.5 The marks/grade awarded to a student in any particular subject will be based on the performance of the student evaluated throughout the Semester. The End Semester Examination will be based on the entire syllabus.
- 15.6 Every student has to appear in both the minor tests. If a student does not take a minor test, he/she shall be awarded zero marks in that test.
- 15.7 The marks/grades will be displayed to students before being forwarded to the Examination Wing.
- 15.8 The marks obtained in sessional/practical/theory/drawing are to be uploaded on the examination portal before a date fixed by the COE. A print copy of the same will be submitted to the Examination Branch, duly signed by the concerned examiners and forwarded by the Chairperson of the department, before the close of the semester examination.
- 15.9 All concerned examiner/s shall maintain a hard copy with themselves for records for official purposes for a period as decided by the University.
- 15.10 The examination branch shall convert the marks into equivalent grades as per the grading procedure.
- 15.11 The evaluated answer sheets of minor tests are to be kept by the convener CCC for a period as decided by the University. The Examination Wing will keep the evaluated answer sheets of the end semester examination as per University rules.

16. GRADING SYSTEM:

The University has introduced a NEP-based system for all the students admitted in the Bachelor of Technology Degree courses from the Academic Year 2024-25. A student's performance is measured by the number of credits they have completed satisfactorily. A minimum grade point average must be maintained to ensure satisfactory progress. Each subject (component) has a certain number of credits, which reflect its weightage and are normally decided on the basis of effective contact

hours. All details of all the options floated are to be mentioned in the respective Scheme of Studies and Examination.

The marks would be converted to grades as per the guidelines given below:

- 16.1 For the award of grades in a subject, all component-wise evaluation shall be done in marks.
- 16.2 The awards/grades shall be submitted by the teacher concerned through the course coordinator to the Chairperson of the department or the Director/Principal of the institute. The awards/grades should be finalized within 15 days of the semester examination.
- 16.3 The University will follow a system of grading for all students (irrespective of the number of students) based on absolute marks **(after applying moderation, if any)**.
- 16.4 **GRADE POINTS:**
 - 16.4.1 The grading system shall be as follows:
The grading points of academic performance for each course will be as follows:-

Marks	Academic Performance	Letter Grade	Grade Point
90-100	Outstanding	O	10
80-89	Excellent	A+	9
70-79	Very good	A	8
62-69	Good	B+	7
55-61	Above average	B	6
46-54	Average	C	5
40-45	Pass	P	4
Less than 40	Fail	F	0
	Absent	AB	0
	Audit Pass	AP	-
	Audit Fail	AF	-
	Incomplete Project	X	-

- 16.4.2 The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester. The SGPA is based on the grades of the current term, while the Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study.
 - 16.4.3 The University shall mention only grades in the mark sheet, but will keep a record of the marks obtained in each course and a weighted average of marks based on the marks obtained in all the semesters taken together, for the benefit of students.

17. PASSING A COURSE AND RESULT

- 17.1 The result of a student shall be declared at the end of each semester Examination and after completion of a course on the basis of the SGPA & CGPA (cumulative grade point average) obtained by the student. However, the result of a student admitted through LEET SCHEME for the diploma holders will be declared on the basis of CGPA of the grades obtained by him/her in this University only.
- 17.2 At the end of each semester examination, the CoE shall publish the result, provided that in a case where a candidate who was permitted to take examination for higher semester but has not cleared the lower semester examination his/her result for the higher semester examination will be declared provisionally. Each successful candidate shall be issued a Detailed Marks Card of the result on having passed the semester examination.
- 17.3 A student who has failed in a course, either due to detention or due to award of F Grade, shall have to register again for the course in a subsequent year/summer semester.
- 17.4 If the student does not want to register again in an elective course (that is, OE, PEC, VAC but not PCC/BSC/ESC courses) in which he/she has failed then he/she can register again for a different elective course.
- 17.5 The performance of a student will be evaluated in terms of Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point of time.
- 17.6 The CGPA is calculated on the basis of all pass grades, except audit courses, obtained in all completed semesters.

17.6.1 Computation of SGPA and CGPA

The following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of the sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undertaken by a student, i.e.

$$\text{SGPA (Si)} = \Sigma(\text{Ci} \times \text{Gi}) / \Sigma \text{Ci}$$

Where Ci is the number of credits of the ith course, and Gi is the grade point scored by the student in the ith course.

Example for Computation of SGPA

Semester	Course	Credit	Letter Grade	Grade point	Credit Point (CreditxGrade)
I	Course 1	4	A	8	4X8= 32
I	Course 2	4	B+	7	4X7= 28
I	Course 3	4	B	6	4X6= 24
I	Course 4	4	O	10	4X10 =40
I	Course 5	4	C	5	4X5= 20
		20			144
	SGPA				144/20=7.20

- ii. The Cumulative Grade Point Average (CGPA) is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \Sigma(\text{Ci} \times \text{Si}) / \Sigma \text{Ci}$$

where Si is the SGPA of the ith Semester and Ci is the total number of credits in that Semester.

Example for Computation of CGPA

Semester1	Semester2	Semester3	Semester4	Semester5	Semester6
Credit:20	Credit:24	Credit:22	Credit:20	Credit:24	Credit:24
SGPA:6.60	SGPA:7.80	SGPA:5.60	SGPA:6.00	SGPA:6.30	SGPA:8.00
CGPA=(20 x6.60+24x7.80+22x5.6+20 x6.00+24x6.30+24 x8.00)/134					
CGPA=6.76					

- iii. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

17.7 Each successful candidate shall be issued a copy of the result card on passing the semester examination.

17.8 The minimum marks/grade for passing any course:

17.8.1 To pass a course, the student must score at least 40% in aggregate, with a minimum of 25% marks in the course's ESE (TES/PES/TES+PES).

17.8.2 Grade will be awarded after adding the marks of all components.

17.9 Where a course is evaluated on the basis of sessional (continuous assessment) marks only, i.e. there is no end-semester examination, the candidate will be required to secure at least 40% marks to pass the course.

17.10 1% of total marks of registered courses in a semester of the theory courses/subjects whose examinations are conducted at the end of the Semester (i.e. May/June and Nov./Dec. examinations) shall be awarded as grace marks to pass in one or more courses/subjects of that Semester.

18. PROGRAMME EXIT OPTIONS

18.1 EXIT-1

Students who opt to exit after the completion of the first year and have

- i. secured 44 credits and,
- ii. Passed two skill based courses (minimum 6 credits) offered by the concern/respective department during the summer semester

Or

Two month internship (minimum 6 credits) in relevant discipline,

shall be eligible for a UG Certificate in the respective branch.

18.2 EXIT-2

Students who opt to exit after the completion of the second year and have

- i. secured at least 82 credits and
- ii. Passed two skill based courses (minimum 6 credits) offered by the concern/respective department during the summer semester

Or

Two month internship (minimum 6 credits) in relevant discipline,

shall be eligible for the UG Diploma in the respective branch.

18.3 EXIT-3

Students who opt to exit after completion of the third year and have

- i. secured 126 credits and,
- ii. Passed two skill based courses (minimum 6 credits) offered by the concern/respective department during the summer semester

Or

Two month internship (minimum 6 credits) in relevant discipline,

shall be eligible for B. Voc. in the respective branch.

19. AWARD OF DEGREE AND MEDALS

- 19.1. The results of all the University Examinations and award of B.Tech. Degree shall be declared by the COE taking into consideration the following:

Each B.Tech. programme consists of a minimum of 172 credits. A student shall be eligible for the award of the B.Tech. Degree if he/she

- i. Has registered for at least 172 credits and studied the courses.
- ii. Has earned 164 or more credits, securing a minimum CGPA of 4.00.

- iii. These 164 credits should include at least 60 credits from PCC (excluding project & practical training courses).
 - iv. Secured 'P' or above grade in the Community Engagement Course (Community Internship), Project Courses and Practical Training.
 - v. Secured 'P' or above grade in all VAC courses.
- 19.2 CGPA for award of B. Tech. degree will be calculated at the end of the programme, on the basis of the best 164 credits earned by the student.
- 19.3 The B.Tech. Degree shall be awarded only after the eighth or final semester examination, based on the aggregate performance of the student.
- 19.4 DEGREE OPTIONS
- 19.4.1 OPTION-A: Students who have secured 164 credits shall be eligible for B. Tech. in the respective branch, with/without minor/specialisation as per criteria laid down in the Clause 7.15 of this Ordinance.
 - 19.4.2 OPTION-B: A student shall be awarded the B Tech degree with Honours if he/she qualifies for the award of the degree and secures 'P' or above grades in all the subjects amounting to 184 credits in his/her first attempt in eight consecutive semesters with at least 8.00 CGPA. The CGPA for award of Hons. of such students shall be computed on the basis of best 184 credits.
 - 19.4.3 OPTION-C: Students can secure a maximum of 200 credits. He/She shall be awarded a Degree in the admitted branch with as many minors/specialisations based on the credits earned in various Minor Baskets as specified in Clause 7.15 of this Ordinance.
- 19.5 If a student exits before 4 years, he/she shall be awarded a degree/certificate as per Clause 18. CGPA for such candidates will be computed as per guidelines issued by the University from time to time.
- 19.6 The CGPA will be converted into an equivalent percentage of marks by multiplying the CGPA by 10.
- 19.7 A student who qualifies for the award of the degree securing 'P' or above grades in the subjects amounting to 164 credits, shall be awarded division as follows:

(i)	$4.0 \leq \text{CGPA} < 5.0$	Pass class
(ii)	$5.0 \leq \text{CGPA} < 6.0$	2 nd Division
(iii)	$6.0 \leq \text{CGPA} < 7.5$	1 st Division

- (iv) CGPA of 7.5 or more 1st Division with Distinction, provided that they have passed all registered courses in a single attempt throughout the programme.
- 19.8 The Gold, Silver and any other Medals as decided by the University shall be awarded to students as per University norms.
- 19.9 Students who have developed/demonstrated exceptionally innovative ideas/projects/designs etc. would be eligible to be considered for appropriate awards as per University norms.

20. SCHOLARSHIP

Scholarship may be awarded to students as per the terms and conditions stipulated by the University/other funding agencies.

21. PROVISIONS DURING TRANSITION PERIOD

- 21.1 Students admitted to B.Tech. programmes in the Department/College/Institute prior to the academic session 2024-25 shall be governed by the old rules applicable to that programme for that session.
- 21.2 If a student admitted under the old scheme seeks re-admission and the old scheme is not in force in that semester then he/she will be re-admitted in the NEP based scheme and the credits earned in the old scheme shall be transferred to the new scheme as per University guidelines.
- 21.3 The university may deal with transfer of scheme of individual cases of students admitted under old scheme (who have year back/large number of backlogs) on the merit of the individual case, in the best interest of the student.
- 21.4 This Ordinance shall also be applicable to students admitted to the B.Tech. programmes under the National Education Policy (NEP) 2020 during the academic session 2024–25, effective from the date of its approval by the Executive Council (EC). It shall apply to all B.Tech. 1st Year courses for students admitted in 2024–25, to the extent feasible. The provisions of the previously approved ordinance shall remain applicable for all evaluation processes completed prior to the approval of this ordinance.
- 21.5 This ordinance shall be applicable in toto for students being admitted in NEP-based B. Tech. Programmes of this University from academic session 2025-26 and later, with the approval of EC.

22. INTERPRETATION OF THE ORDINANCE AND POWER TO MODIFY

22.1 Any matter related to the program not defined in this Ordinance or for any clarification for this ordinance will be dealt with by the following committee, as and when directed by the Vice-Chancellor.

1. Dean Academic affairs –(Chairman of the committee)
2. One Dean of Faculty (To be nominated by Vice Chancellor)
3. One Chairperson/Professor/Associate Professor (To be nominated by Vice Chancellor)
4. One External Member of Academic Council (To be nominated by Vice Chancellor)
5. COE
6. Chairperson of the concern department (if required)

A.R./D.R. (Academics) shall arrange to conduct the meeting.

The committee shall submit its report to the Vice-Chancellor for approval and subsequent ratification.

22.2 POWER TO REMOVE DIFFICULTIES

If any difficulty arises in giving effect to the provisions of this Ordinance, the Vice Chancellor may, by order, make such provisions not inconsistent with the Act, Statutes, Ordinances or other Regulations, as appears to be necessary or expedient to remove the difficulty, however subject to ratification of such order by the Statutory bodies of the University.