

# KANNUR UNIVERSITY

## B.Tech (Engineering) Degree course

### NEW REGULATIONS

(Effective from 2007 admissions)

#### 1. CONDITIONS FOR ADMISSION

Candidates for admission to the B Tech degree courses shall be required to have passed the Higher Secondary Examination, Kerala or any other examination accepted by the university as equivalent thereto, with conditions as prescribed by the Kerala State Government rules.

They have to qualify the State level Entrance Examination conducted by the Commissioner for Entrance Examination or State level/National level Entrance examination approved by the Government as equivalent. They shall also satisfy the conditions regarding age and physical fitness as may be prescribed by the Kannur University.

A candidate who has a diploma in engineering awarded by the State Board of Technical Education or an examination recognized equivalent thereto by the State Board of Technical Education after undergoing an institutional course of 3 years, securing a minimum 50% marks in the final Diploma examination shall be eligible to be admitted to the first year B.Tech programme, if he/she has qualified the Entrance examination conducted by the State Entrance examination or State level/National level Entrance examination approved by the Govt. as equivalent.

Diploma holders with 60% marks (50% in case of SC/ST) are also eligible for admission to the 3<sup>rd</sup> semester (Regular Full time batch) B.Tech (Engineering) Degree course under the lateral entry scheme (LES) provided they qualify the Entrance Examination conducted for the Lateral entry scheme by the State Government. Candidates admitted under lateral entry scheme have to successfully complete the requisite deficiency/remedial papers as prescribed by the Kannur University before registering for the VIII<sup>th</sup> semester examination.

*(w.e.f. 2012 admission:- Diploma holders are also eligible for admission to the 3<sup>rd</sup> semester (Regular Full time batch) B.Tech (Engineering) Degree course under the lateral entry scheme (LES) provided they qualify the Entrance Examination conducted for the Lateral entry scheme by the State Government. Candidates admitted under lateral entry scheme have to successfully complete the requisite deficiency/remedial papers as prescribed by the Kannur University before registering for the VIII<sup>th</sup> semester examination.)*

#### 2. DURATION OF THE COURSE

i). The course for B.Tech (Engineering) degree shall extend over a period of four academic years comprising of eight semesters. The first and second semester which shall be combined and each semester from third semester onwards shall cover the groups of subjects as given in the curriculum and scheme of examination.

ii). The programme of semesters and examinations shall ordinarily be as follows:

**Odd Semesters:** ( III, V & VII)**Session :** June 3rd week- Oct 1st week

Combined I-II semester : July 1st week- March 31

**Exam: October/November**

	FN session (Regular)	AN session (suppl.)
Oct 4th week & Nov 1st week	VII III ( on alternate days )	I-II IV ( on alternate days )
Nov 2nd & 3rd weeks	V  ( on alternate days )	VIII VI & I-II ( on alternate days )

Practicals : Nov 4<sup>th</sup> week

**Even semesters:** (IV, VI & VIII)

**Session:** Dec 2nd week- March 31

**Exam: April/May**

	FN session (Regular)	AN session (Suppl.)
April 4th & May 1st weeks	VIII IV ( on alternate days )	V  ( on alternate days )
May 2nd & 3rd weeks	VI I-II ( on alternate days )	III VII ( on alternate days )
May 4th week	I-II ( on alternate days )	

Practicals: June 1st week

The I&II Semester combined, shall ordinarily comprise of not less than 700 working periods of 60 minutes duration, and III to VIII semester shall comprise of not less than 400 working periods of 60 minutes duration.

### 3. ELIGIBILITY FOR THE DEGREE

No candidate shall be eligible for the B-Tech (Engineering) degree unless he/she has undergone the prescribed course of study of period not less than four ( three in case of lateral entry students) academic years in an institution affiliated to the Kannur University and has passed the examination in all the seven groups ( I&II to VIII semesters ). All examinations should be passed within 7 years ( 6 years in the case of LES) since his/her admission to B.Tech programme.

### 4. BRANCHES OF STUDY

At the time of admission a student will be offered any one of the following branches of study and such other branches of study as may be instituted from time to time.

- \* Civil Engineering
- \* Mechanical Engineering
- \* Electrical and Electronics Engineering
- \* Electronics and Communication Engineering
- \* Computer Science and Engineering
- \* Information Technology
- \* Applied Electronics & Instrumentation.

## 5. SUBJECTS OF STUDY

The subjects of study shall be both theory and practical and shall be in accordance with the syllabi prescribed.

## 6. PHYSICAL EDUCATION, HEALTH AND FITNESS

All students shall undergo prescribed compulsory programme on Physical education, health and fitness. There will be lecture classes with prescribed syllabus and practical sessions. All classes will be conducted after the normal working hours of the college. The students will be continuously assessed on their performance for 50 hours of practical sessions during the period 1<sup>st</sup> semester to 7<sup>th</sup> semester and a maximum of 50 marks will be awarded in the 7<sup>th</sup> semester. There is no minimum mark for pass or fail for this programme.

## 7. SESSIONAL WORK

All sessional works shall be valued and marks awarded on the basis of day-to-day work, assignments( minimum two) and two periodic tests for theory/graphics papers. The allocation of sessional marks by the colleges for the individual subjects of each semester shall be on the following basis.

Subject	Assignments/Term projects/Class work	Test papers
Theory	40%	60%
Drawing	60%	40%
Practical	70%	30%
Project	Work assessed by guide- 25% Work assessed by a three (min) member evaluation committee of which one member is the guide- 75%. (Including 25% for Industrial Training.)	

Every teacher is required to maintain an ' attendance and assessment record' which consists of attendance marked in each lecture or practical or project work class, the assignment marks, the test paper marks and the record of topic covered, separately for each course. This should be submitted to the head of the department for periodic checking. The head of the department will put his signature and date after due verification. At the end of the semester, the Head of institution will keep this document in safe custody. The university or any inspection team appointed by the University may inspect the records of both current and previous semesters.

The sessional marks shall be published in the department within 20 days after the termination of the classes, so as to incorporate corrections, if any, before sending to the University.

## 8. EXAMINATIONS

i.) There shall be university examinations at the end of the first academic year ( combined I & II semester), and at the end of every semester from third semester onwards in subjects as prescribed under the respective scheme of examinations. Every candidate shall register for the examination. A candidate who does not register for the examination shall not be permitted to attend next semester.

ii) A candidate will be permitted to appear for the university examination only if he/she satisfies the following requirements:

- a) He/she must secure not less than 75% attendance (including duty leave) in the number of working hours during the first year and in each semester thereafter and shall be physically present for a minimum of 65% ( excluding duty leave) of the total working hours.
- b) Maximum permissible duty leave shall be 10% of the total working hours.
- c) He/she must earn a progress certificate from the Principal of having satisfactorily completed the course of study prescribed in the semester as required by these regulations.

iii) It shall be open to the Vice Chancellor to grant condonation of shortage of attendance on the recommendation of the Principal in accordance with the following norms.

- a). The shortage shall not be more than 10%.
- b). Shortage of attendance up to 20% shall be condoned only once during the entire course provided such shortage is caused by continuous absence on genuine medical grounds.
- c). Shortage of attendance shall not be condoned more than three times during the entire course.

iv). A candidate who is not eligible for condonation of attendance shall repeat the course, when it is offered again.

v).The university will conduct examinations for all subjects (Theory, Drawing & Practical).

- a)The scheme of valuation will be decided by the chief examiner for theory/drawing subjects.
- b) For practical examinations, the internal and external examiners together will decide the division of marks to be awarded. The student shall produce the certified record of the work done in the laboratory for the examination. The evaluation of the candidate should be as per the guidelines given below.  
Fair record 10%  
Viva-voce 20%  
Procedure, observations, conducting expt., results & inference 70%
- c) Viva-voce examination in the 8<sup>th</sup> semester will be conducted by a team of one internal examiner and one external examiner, duly appointed by the University. The students shall produce the certified reports of seminar, project and industrial interaction at the time of viva-voce examination. 70% marks shall be allotted for subject knowledge and 30 % for seminar, project and industrial interaction.

vi).The examinations will be held twice in a year-April/May and Oct/Nov as given in schedule in item 2(ii). This schedule shall not be changed. The results shall be published within 2 months after completion of the examinations.

## **9. MINIMUM FOR A PASS**

i) Candidates who secure not less than 50% marks in a subject at the university examination shall be declared to have passed in the examination in that subject, irrespective of the sessional marks

awarded for that subject. A candidate who secures not less than 40% marks in the subject at the university examination and not less than 50% of the total marks assigned to the subjects, which include the marks assigned to the university examination and sessional assessment, shall also be declared to have passed the examination in that subject.

ii) The pass mark for Project, Seminar, Viva Voce and subjects having only either sessional evaluation or university examination alone shall be 40% of the total marks assigned to that subject. Candidates failing in the above subjects have to complete/repeat the requirements again so as to secure a pass minimum of 40%. There is **no minimum mark** for pass or fail for the Physical education, Health and fitness programme.

## **10. IMPROVEMENT OF MARKS**

1) A candidate who has made his/her first successful attempt in any semester examination and secured a complete pass in the semester examination in the first attempt shall be permitted to reappear for improvement of marks in a maximum of three subjects ( theory and practical put together) without cancelling the earlier examination.

2) A candidate who has failed in only one subject ( theory and practical put together) in a semester examination in his/ her first attempt, shall be permitted to reappear for only two subjects of the semester concerned for improvement of marks without cancelling the earlier examination.

3) A candidate who has failed in two subjects ( theory and practical put together) in a semester examination in his/ her first attempt, shall be permitted to reappear for only one subject of the semester concerned for improvement of marks without cancelling the earlier examination.

4) A candidate who has failed in three or more subjects in a semester examination in his/ her first attempt, shall not be permitted to reappear for improvement of marks in any of the subjects.

5) The reappearance for improvement for eligible subjects should be made only in the immediate chance following the semester in which he/she has undergone the course.

6) Reappearance for the improvement of marks as per the above conditions is permitted for I&II to VII semesters only, and improvement of marks is not permitted for the subjects in the VIII semester.x

## **11. PROCEDURE FOR COMPLETION OF THE COURSE**

i) A candidate shall be eligible to undergo the course of study in the III semester if he/she has completed satisfactorily the course of study in the combined I & II semester and registered for the I & II semester university examinations.

ii) A candidate shall be eligible to undergo the course of study in the IV to VI semesters if he/she has satisfactorily completed the course of study and registered for the university examination of the immediate previous semester.

iii) A candidate shall be eligible to undergo VII semester only after successfully completing I&II semester examination and registered for VI semester University examination.

iv) A candidate shall be eligible to undergo VIII semester if he/she has registered for VII semester examination.

v) A candidate should complete the programme and pass all examinations within seven (7) years ( six years in the case of LES ) since his/her admission to B.Tech programme.

## **12. CLASSIFICATION OF SUCCESSFUL CANDIDATES**

i) A candidate who qualifies for the degree passing all the subjects of the eight semesters within five ( four in the case of LES) academic years after the commencement of his/her course of study

and secures not less than 75% of the aggregate of total marks of all the semesters assigned to the university examination and sessional evaluation together shall be declared to have passed the B. Tech (Engineering) Degree Examination in First class with honours.

ii) A candidate who qualifies for the degree passing all the subjects of eight semesters within five ( four in the case of lateral entry students) academic years after the commencement of his/her course of study and secures not less than 60% of the aggregate of total marks of all semesters assigned to the university examinations and sessional evaluation together shall be declared to have passed the B.Tech .(Engineering) Degree Examination in First Class.

iii) All other successful candidates shall be declared to have passed the examination for the degree in second class.

iv) For classification of successful candidates only the marks secured in the subject in which they have passed or improved their marks will be considered even though in an earlier attempt they had failed or secured lower marks in the same subject.

v) Successful candidates who complete all the examinations in 4 academic years (eight consecutive semesters) shall be ranked branch- wise on the basis of aggregate marks obtained in the university examinations alone of all the semesters.

vi). For the purpose of rank, the lateral entry students to B.Tech (Engg.) programme shall not be considered as the rank is based on the total marks in I-II to VIII semesters.

vii). Classification for the lateral entry students shall be given based on the percentage of marks obtained in III to VIII semesters and as per criteria given in item 12 (i) –(iv). The final mark list of the lateral entry scheme should indicate that (a) the student was admitted through lateral entry scheme and (b) classification is based on percentage of marks in III to VIII semesters.

viii). A candidate will be qualified for degree only if he/she completes the course and passes all the semester examinations within seven academic years ( six academic years in the case of LES) since his/her admission to the course.

ix). The final mark list should indicate the college in which the candidate has studied.

### **13. INDUSTRIAL INTERACTION**

All students shall undergo an industrial interaction programme either by attending training programme for a minimum of five days in a registered industry/Govt. establishment/Research institute or by visiting at least five reputed industries/engineering establishments. They have to submit a report of the industrial interaction programme in the 8<sup>th</sup> semester. A maximum of 25 marks is included for the industrial interaction programme in the marks for the project work in the 8<sup>th</sup> semester. The project evaluation committee will evaluate and award the marks for the industrial interaction programme. The industrial interaction programme shall be completed during vacations/holidays taking not more than 3 working days combined with holidays.

### **14 REVISION OF REGULATIONS**

The university may revise, amend or change the regulations, curriculum, scheme of examinations and syllabi from time to time. These changes unless specified otherwise, will have effect from the beginning of academic year following the notification by the university.