



UNIVERSITY OF JAMMU

NOTIFICATION

(20/Feb/Adp/52)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Competent Bodies, has been pleased to authorize the adoption of Statutes of **Bachelor of Engineering** under the **Credit Based System (CBS)** from the Academic Session **2018-19** as per the model curriculum of the **AICTE** as given in the **Annexure (Page 01 to 09)**.

The Statutes of the course is available on the University Website: www.jammuuniversity.in.

Sd/-

DEAN ACADEMIC AFFAIRS

No. F.Acd/III/20/ 7775-86.

Dated: 5/02/2020

Copy for information & necessary action to:-

1. Dean Faculty of Engineering
2. Principal, GCET/MIET/MBSCET /BCET/YCET/UIET
3. C.A to the Controller of Examinations
4. Deputy/Assistant Registrar (Exams/Confidential)
5. Section Officer (Confidential)
- ✓ 6. Incharge University Website

Sumilasharma
Deputy Registrar (Academic)
5/2/2020
5/2/2020

STATUTES GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING (CBS)

A. PREAMBLE

The Dean Faculty of Engineering, University of Jammu in consultation with the Board of Studies in anticipation of the approval of the Competent Authority has adopted the credit based system for the undergraduate programs offered in the affiliated colleges under the Faculty of Engineering from the ensuing academic session 2018-19, as per the latest reforms recommended by the AICTE.

The thrust of Credit Based System is on continuous learning and evaluation, inter-disciplinary study, practical exposure and accumulation of course credits. It aims at making the academic programs student oriented, flexible, inter-disciplinary and relevant to the modern technology. Under this system, students will have freedom to select the electives and undertake various MOOC courses, to suit their interest, aptitude and needs. The student is provided abundant opportunity during the program of study to accumulate credits. The aim of the system is to strengthen the academic potential of the student beyond the course curriculum.

B. TITLE

These Regulations shall be called "Regulations Governing the Credit Based System for Undergraduate programme in Engineering" from the academic session 2018-19. In short, it will be referred to as "JU(UG) CBS REGULATIONS".

C. SCOPE, APPLICATION AND COMMENCEMENT

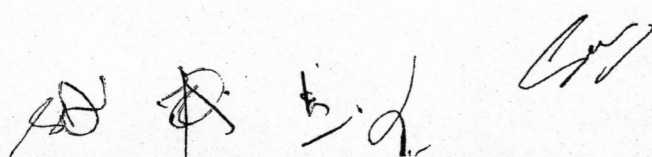
The regulations shall apply to all Bachelor of Engineering Undergraduate Programmes offered by the colleges affiliated to University of Jammu from the academic year 2018-19. The learning and evaluation is on Semester based pattern. Eligibility, qualification and admission procedure is as approved by the Academic Council. Provisions under these regulations hereby supersede all the existing regulations for the regular undergraduate programmes in Engineering offered by the affiliated colleges to the extent prescribed herein.

1. DURATION

1.1 There shall be a 4 years Bachelor's Degree Course in Engineering (hereafter referred to as B.E. Degree Course) comprising the following eight academic semesters:-

1. BE. 1st Semester
2. BE. 2nd Semester
3. BE. 3rd Semester
4. B.E. 4th Semester
5. BE. 5th Semester
6. B.E. 6th Semester
7. B.E. 7th Semester
8. B.E. 8th Semester

The maximum time duration to complete the B.E. Degree course will be 8 years. If a candidate fails to complete the B.E course within 8 years, his/her registration for B.E. course shall stand cancelled.



1.2 The academic Calendar as given in Appendix be adopted in B.E. Statutes. The academic year comprising a Capsule of two semesters (odd and even) shall normally commence in the third week of August, each Year.

1.3 The examination for the B.E. Degree in Engineering shall be conducted in the following disciplines:-

- a) Civil Engineering
- b) Mechanical Engineering
- c) Electrical Engineering
- d) Electronics and Communication Engineering
- e) Computer Science and Engineering
- f) Information Technology Engineering

And other disciplines as may be approved by the University from time to time.

2. ADMISSION

2.1 Admission to the 1st Semester of 4 year B.E. Degree Course shall be open to candidates who have passed 12th class examination under 10+2 scheme with English, Physics and Chemistry (Science Group) from J&K State Board of School Education or any other examination conducted by a University/ State Board of Secondary Education recognized as equivalent thereto with not less than 50% marks in aggregate in the qualifying examination in respect of open category and 40% marks in aggregate in respect of SC/ST categories. The admission shall be made on the basis of Common Entrance Test conducted by the Board of Professional Entrance Examination of the State Govt. for the purpose.

2.2 Depending upon the number of vacancies approved by the State Government Authorities from time to time, Diploma Holders with a minimum of 60% marks in the aggregate in any branch of Engineering from any State Board of Technical Education recognized by the All India Council for Technical Education (AICTE) shall also be eligible for admission directly to the 3rd semester of the 4-years B.E Degree Course based on the Common Entrance Test to be conducted by the University of Jammu under **Lateral Entry Scheme**. The total number of seats under this category shall be 10% of the total sanctioned strength (branch wise) in that year. These seats shall be however, over and above the sanctioned strength. The admission of the eligible candidates under reserved categories in B.E 3rd semester through lateral entry scheme to various disciplines of engineering shall be made as per the reservation rules of State Government.

2.3 Admission made by the College shall remain provisional till such time the eligibility of the candidates admitted is approved by the university.

2.4 The admission to 1st Semester of 4-year B.E. Course shall normally be made on or before the 15th of August each year and the academic programme of the students shall commence on 16th of August or from the next working day if 16th August happens to be a holiday.

2.5 The Vice-Chancellor may in exceptional case, on the recommendation of the Principal permit late admission to a candidate on payment of a late fee as may be prescribed by the University from time to time, within the period of 30 calendar days from the date of examination.

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2.6 Any student studying in an Engineering institution affiliated to a recognized University, on the recommendation of Dean, Faculty of Engineering be allowed to migrate by the Vice-Chancellor, to the University of Jammu on fulfillment of the requirements prescribed here under:-

i) Not more than one student in each discipline shall be allowed migration in an academic year. Provided there is a prior approval of the State Government for such additional quota of seats.

ii) The migration shall be allowed to a student who has been admitted through a State or National level Entrance Test or a test conducted by any agency approved by the State Govt. for this purpose,

iii) The migration shall be permitted in 3rd Semester only. The equivalence of courses covered by the student in 1st and 2nd Semester shall be established by the Dean, Faculty of Engineering. Any backlogs determined there of shall have to be cleared by the candidate/s within permissible chances as per the University rules.

3. MINIMUM ATTENDANCE

3.1 Regular examination of each semester shall be open to a candidate who fulfils the statutory conditions and his/her name is recommended by the Principal of the concerned College to the Controller of Examinations along with the relevant certificates like medical, sports, etc.

3.2 Candidates having attendance <75% in maximum of two courses (Theory/ Practical) shall not be allowed to appear for final university examination in that particular course/ courses; if attendance <75% in more than two courses (Theory/ Practical) the candidate shall be detained for that particular year.

4. CONDONATION OF ATTENDANCE

4.1 The Principal of the College shall be competent to condone shortage on genuine grounds up to 15% of the total number of class attendance in each semester. Student whose attendance falls short by more than 15% or whose deficiency is not condoned by the Principal shall not be permitted to appear in the examination and shall have to enroll herself/himself as a regular student of the College in the subsequent year in the semester in which she/he has failed to fulfill the attendance requirement.

4.2 ATTENDANCE IN LIEU OF PARTICIPATION IN GAMES ETC.

Any candidate who participates in games, cultural and other co-curricular activities as defined below with the prior approval of the Principal concerned shall, for the purpose of condoning deficiency in attendance on account of such participation, be treated as present on all the working days during the days of his absence on such account for a period not exceeding 15 working days in a Semester Programme.

a) State representation in International/All India Competitions organized by agencies which are recognized by the Board of Sports and Youth Welfare.

b) Participation in the inter-university Competitions held under the auspices of a University or any other recognized Institution as a member of the University team.

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- c) Participation in the Inter-College Competitions organized by the University as a member of the Team of Participating Institution.
- d) Participation in the N.C.C., N.S.S. and National Integration Samiti activities as a member of recognized Institutions.
- e) Participation in the Coaching Camps/Rehearsals prior to participation as a member of State or University Team in the National/All India/Inter-University Competitions.
- f) Participation in the Mountaineering/Hiking/Trekking/ Skiing/Rock-climbing or other such activities organized under the auspices of the State Government/University as a member of the Institution affiliated/recognized by the University.

5. AUTHORITY FOR PRESCRIPTION OF COURSES OF STUDY

The syllabi and courses of study for each subject shall be approved by the Academic Council on the recommendation of the Dean, Faculty of Engineering.

6. DATES FOR SUBMISSION OF FORMS

6.1 Candidates shall fill up their examination forms prescribed by the University for seeking permission to sit in an examination within 45 days (for I-Semester) and 30 days (for II to VIII Semesters) from the last date of admission, without late fee, to the semester concerned of the College and also pay the requisite examination fees on the dates to be determined by the Principal.

6.2 The forms together with the fees as prescribed by the university from time to time shall be sent to the Controller of Examination by the principal of the college two months preceding the date of a semester programme. Wherever the examination forms/fees are received after the prescribed last date, the College shall be liable to pay a late fee as may be prescribed by the university from time to time per candidate per day.

7. SCHEME OF EXAMINATION

7.1 The examination for various Semesters consisting of written papers and sessionals shall be held as per the Academic Calendar.

7.2 The medium of instruction as well as examination for the Degree shall be English.

7.3 Holding of Regular/Supplementary Examination

During the course of one academic year, regular examination for theory papers for Odd semesters i.e. 1st, 3rd, 5th & 7th shall be held during December/ January and for Even semesters i.e. 2nd, 4th, 6th, & 8th shall be held during May/June as per the academic calendar, whereas examinations for reappear /backlog shall be held along with the regular examinations. There shall however be special supplementary examinations in B.E. for 5th to 8th Semesters.

8. PASS PERCENTAGE

8.1 The credit based UG curriculum in Engineering for all B.E courses as per the new AICTE model curriculum has been adopted from the session 2018-19 and onwards. In view of the credit system the evaluation shall be on the basis of Grade and Grade points and shall be finally reflected as semester Grade point average (SGPA) and cumulative Grade point average (CGPA). The CGPA can be converted to equivalent percentage by multiplying CGPA

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by 9.5. The minimum marks required to pass in each course examination of any semester shall be 40% (Grade D) in theory examination and sessionals separately; provided that a candidate who appears in all courses of a semester and fails in only one course (theory part only) by not more than 3% of the maximum marks allotted to that course shall be deemed to have passed the examination. Provided that this concession shall not be granted in the sessionals and to a candidate who passes the theory courses of examinations of semesters in parts.

8.2 A candidate shall be declared to have failed in a particular course, if his/ her marks in theory, sessionals for that course are less than 40% (Grade E). In that case, the student shall be allowed one or more chance to reappear in the sessionals alongwith the regular students of same semester. His/ Her sessionals will thereafter be communicated to the Controller of Examinations along with the regular students.

8.3 A candidate shall be declared to have failed in a laboratory course, if he/ she secures less than 40% (Grade E) in a particular laboratory course. Such a candidate can clear the backlog only when such a laboratory course examination will be available.

8.4 The evaluation of sessional marks in the theory papers of all the semesters shall be based on the following distribution:

- i) Class Test 40%
- ii) Class Assignments 40%
- iii) Class Attendance 20%

The marks out of 20% for regularity in attendance shall be awarded according to the following Scale:

Attendance	Marks
a) Below 75% of the total number of attendances	Zero
b) From 75% to 85% of the total number of attendances	60%
c) Above 85% to 90% of the total number of attendances	80%
d) Above 90% to 100% of the total number of attendances	100%

Two compulsory class tests shall be held in each course will equal weightage of marks for each class test. However, if a candidate is unable to appear in any of the two tests conducted because of the genuine reasons may be given one more chance by the principal on the request of the candidate.

8.5 The evaluation of sessional marks in the laboratory course shall be based on the following distribution:

- i) Lab. Work (Continuous assessment) 50%
- ii) Viva-Voce test 30%
- iii) Attendance 20%

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Attendance	Marks
a) Below 75% of the total number of attendances	Zero
b) From 75% to 85% of the total number of attendances	60%
c) Above 85% to 90% of the total number of attendances	80%
d) Above 90% to 100% of the total number of attendances	100%

8.6 The successful candidate of the B.E Degree under the CBS shall be awarded Grade/ Grade points as per the system of evaluation tabulated below:

Grade	Grade Points	Percentage of Marks Obtained	Remarks
A+	10	85 & Above	Outstanding
A	9	75 < 85	Excellent
B	8	65 < 75	Very Good
C	7	55 < 65	Good
D	6	40 < 55	Average
E	4	Below 40	Fail
AB	0	Absent	Absent

(i) A student obtaining Grade E shall be considered failed and will be required to reappear in the examination as per existing rules of the University under CBS for Under Graduate Courses.

(ii) Grade (D) or percentage of marks (40%) is required to pass in a course, SGPA of 6 to qualify a semester and a minimum CGPA of 6 to qualify for a UG Degree

Note: The CGPA can be converted to equivalent percentage by multiplying CGPA by 9.5.

8.7 COMPUTATION OF SGPA AND CGPA

The following procedures shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

1. The SGPA is the ratio of 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 undergone by a student i.e.

$$SGPA (S_i) = \sum (C_i \times G_i) / \sum C_i,$$

Where C_i = Number of credits of the i^{th} course

G_i = Grade point scored by the student in the i^{th} course.

2. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e.

$$CGPA = \sum (C_i \times S_i) / \sum C_i$$

where S_i = SGPA of the i^{th} semester

C_i = Total number of credits in that semester

3. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript.

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9. ISSUANCE OF GRADE CARD

The candidate will be supplied a marks certificate indicating the marks, grade and grade points secured in each subject/ paper immediately after the declaration of result of each semester examination. The university under its seal shall issue to the student a marks certificate on completion of each semester, which shall contain the following information.

- Name of University.
- Title of Undergraduate Programme.
- Semester.
- Name and Registration number of student.
- Course Code, Title and Credits of each course registered in the semester.
- Grade, Grade Point and CGPA/SGPA.

The **OVERALL GRADE CARD** issued at the end of the final semester shall contain the details of all courses taken during the entire programme. Apart from CGPA of the programme, the SGPA grades obtained for all the courses shall be shown in the overall grade card.

10. NON ENTITLEMENT FOR ACADEMIC AWARDS

Candidates having passed the theory papers in supplementary examination by a repeat performance in any semester examination shall not be eligible for any academic award of Distinction, Prizes and Medals.

11. ENTITLEMENT FOR ACADEMIC AWARDS

Gold Medals/ Awards etc., shall be awarded by the University each year in accordance with the regulations made there under at the time of Convocation to the candidates securing first position in order of merit of CGPA in each discipline and one to the overall topper. In case of tie(s) in CGPA the total percentage obtained by the candidate in all the semesters taken together shall decide the award as per merit.

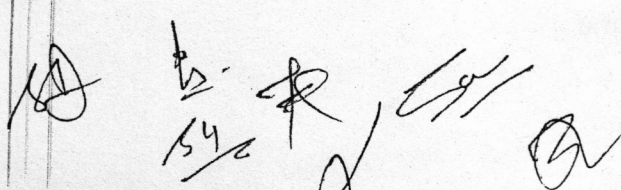
12. APPOINTMENT OF PAPER SETTERS/EXAMINERS

12.1 Notwithstanding anything contained in any Statute/ regulations for the time being in force, the paper setter for the theory papers of all semester examinations shall ordinarily be external and **Dean/Convener in all the disciplines is authorized to prepare the list of paper setters and evaluators. The evaluation shall ordinarily be conducted through table/mobile evaluation.**

12.2 The Viva-voce examination in respect of Project/Thesis/Practical training and professional interviews in respect of Engineering branches, wherever applicable, shall be conducted by three examiners viz. the external examiners, the Head of the Department and the Supervisor.

13. PROMOTION FROM ONE SEMESTER TO ANOTHER

Promotion from one semester to another semester i.e. from 1st semester to 2nd semester, 2nd semester to 3rd semester and so on shall be automatic. Provided that a candidate shall not be allowed to attend classes in the next higher semester unless he/she has appeared in the examination of immediate preceding semester.



14. The internal Sessional awards/ Marks shall be submitted to the controller of examinations within 15 days after the completion of University B.E End semester examinations.

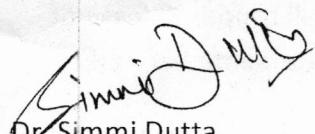
15. A candidate who has been enrolled for the B.E. Course shall be admitted to the B.E. Degree only when she/he has been declared successful in the examinations of all the semesters in accordance with the above Statutes

16. The overall grade card shall be issued on payment of such a fee as prescribed from time to time to a student who has completed the B.E course and has been declared successful in the semester examinations in conformity with above statutes.

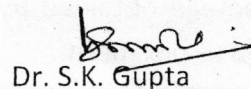
17. The rates of fee payable for admission to the examination of the 4 year Bachelor of Engineering course and rates of the remuneration for the various assignments shall be such as may be prescribed by the University, from time to time.

18. AUTHORITY TO INTERPRET STATUTES

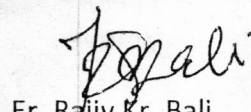
With a view to remove any difficulty or anomaly arising out of the application and implementation of these statutes, the Vice-Chancellor shall be competent to give authoritative interpretation of these statutes and his interpretation shall be final and binding of all the concerned.



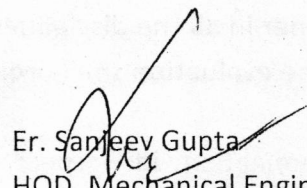
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Dr. Sameru Sharma
Convenor Board of Studies
Dean Faculty of Engineering,
& Principal,
GCET, Jammu

APPENDIX

ACADEMIC CALENDAR FOR ENGINEERING COURSES

1. Admission/Registration Process (Odd Sem)	July/August
2. Opening of institute after Summer Vacations	1 st August
3. Class work of 1 st , 3 rd , 5 th & 7 th Semesters	August - December
a) Holding of Two Sessional Tests and Two Assignments during complete Semester	
b) Compilation of Sessional records	
4. One Week Preparation break for all Semesters	December
5. Winter Break	26 th December - 4 th January
6. Semester Examination	
a) Regular 1 st , 3 rd , 5 th & 7 th	December - January
b) Supplementary	December - January
7. Class work for 2 nd , 4 th , 6 th & 8 th Semesters	January - May
a) Holding of Two Sessional Test and Two Assignments during complete Semesters	
b) Compilation of Sessional records	
8. One Week Preparation break for all Semesters	Last Week of May
9. Semester Examination	
a) Regular 2 nd , 4 th , 6 th , 8 th	May - June
b) Supplementary	June - July
10. Summer Break	16 th June - 31 st July
11. Industrial Training (6 th Semester)	16 th June - 31 st July

Note: The above Calendar is proposed for 3rd Semester onwards. The Calendar for the 1st & 2nd semester is subject to completion of the admission process by BOPEE. In case 1st & 2nd semester students, the loss in time due to delay in admission is proposed to be compensated through curtailing summer /winter vacation for these students.

Calendar for other Events

1. Induction Programme for 1 st Semester	Third Week of August (Three Weeks)
2. Celebration of Engineer's Day	15 th September
3. Cultural/Sports Week	October - November
4. National Education Day	11 th November
5. Energy Conservation Day	14 th December
6. National Science Day	28 th February
7. Yoga Day	21 st June

