

**Academic Regulations**  
**B. Tech Agricultural Engineering**



**Centurion**  
**UNIVERSITY**

*Shaping Lives...*  
*Empowering Communities...*

**School of Agriculture & Bio-Engineering**  
**Centurion University of Technology and Management**

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## List of Contents

Sl. No.	Description	Page
1	Scope	3
2	Definitions	3
	2.1 Duration of B.Tech Ag	3
	2.2 Academic Year	3
	2.3 Semester	3
	2.4 Credit Hours	3
	2.5 Course	3
	2.6 Academic Calendar	3
3	Admission	3
4	Admission and Registration	4
	4.1 Fees and Documents for Registration	4
	4.2 Provisional Registration	4
	4.3 Provisional Registration of Continuing Students	4
	4.4 Late Registration	4
	4.5 University Registration Card	5
	4.6 Course Wise Registration	5
5	Students Advisory System	5
6	Courses in the Programme	5
7	Number and Duration of Classes	6
8	Attendance	6
9	Examination	6
	9.1 Internal Examination	6
	9.2 Semester Final Examination	6
	9.3 Examination on Demand	7
	9.4 Evaluation	7
	9.5 Summer Internship	7
	9.6 Student READY	7
	9.7 Duration of Examinations	7
10	Grading System	8
	10.1 Grade Points of a Course	8
	10.2 Credit Points of A Course	8
	10.2 Grade Point Average	9
	10.3 Overall Grade Point Average	9
11	Categorization of Grades & their correlation	9
12	Declaration of Result	9
13	Eligibility for Award of Degree Certificate	10

**Regulations Governing B.Tech AG  
Programme of  
School of Agricultural & Bio-Engineering  
Centurion University of Technology and Management**

**1. Scope**

The provisions indicated in this document shall be applicable for governing the B.Tech Ag. course study and students admitted from 2017-18 Academic Year leading to the award of B.Tech Ag Degree from Department of Agricultural Engineering, Centurion University of Technology and Management, Odisha.

**2. Definitions**

**2.1 Duration of B.Tech AG.**

The Duration of B.Tech Ag. programme is 4 academic years and for lateral entry student is 3 academic years. The student has to complete this degree programme in a maximum duration of 8 academic years or 6 academic years for lateral entry.

**2.2 Academic Year**

Each academic year is divided into two semesters. The 1<sup>st</sup> (autumn) semester is during the months of July to December and 2<sup>nd</sup> (spring) semester is during months of January to June.

**2.3 Semester**

The duration of each semester shall be at least 100 days of instruction, excluding semester examinations.

**2.4 Credit Hours**

Each credit hour represents one hour lecture or two hours of laboratory work per week in a semester. It is also known as semester credit.

**2.5 Course**

A course is a unit of instruction segment of subject matter (as specified in the course catalogue) to be covered in a semester. Each course has a specific code, title and credits.

**2.6 Academic Calendar**

Each year, the University shall draw out a calendar of academic and associated activities, which shall be adhered to. Details of curricula and syllabi shall be as decided by the Academic Council with provision for modification from time to time as per the needs of specializations concerned. It will be available in the University website.

**3. Admission**

In order to be eligible for admission into B.Tech AG., a student should have passed +2 Science examinations with Physics, Chemistry and Mathematics or biology with following percent of marks in these subjects.

- i. General Candidates: 50%
- ii. SC and ST: 40%

#### **4. Admission and Registration**

**4.1 Fees and Documents for Registration:** In order to be registered as a student of the university a candidate selected for admission into B.Tech AG. has to pay the fee prescribed by the University as mentioned below and furnish the following documents at the time of admission.

- i. Admission fees, Academic fees, Examination fees, Hostel fees, Transport fees, fee for Food and any other fee as may be decided by the University.
- ii. Original Rank card/ Score card of State/National/Indian Council of Agricultural Research (ICAR) Entrance examination.
- iii. 10<sup>th</sup> Class Board Certificate and Mark sheet.
- iv. Higher Secondary Certificate and Mark sheet
- v. Original College Leaving Certificate (CLC)/Transfer Certificate (TC)
- vi. Original Migration Certificate
- vii. Caste Certificate if applicable
- viii. Original Conduct Certificate
- ix. Income Certificate
- x. Residential Certificate
- xi. Medical Fitness Certificate
- xii. Blood Group Certificate
- xiii. Six coloured passport size photographs
- xiv. Original money receipt

#### **4.2 Provisional Registration**

**4.2.1** A candidate who for any reason is unable to submit any of the documents required under clause 4.1 may, with special permission of the Registrar, be admitted and registered provisionally on payment of the prescribed fees, subject to production of the wanting documents/certificates within a stipulated period, failing which admission will be cancelled. A candidate who could not submit the migration certificate at the time of admission must submit the same before appearing the final semester examination, failing which he/she will not be allowed to appear the examination.

**4.2.2** A candidate selected for admission, failing to register in the prescribed date, shall forfeit his/her seat and such seats shall be offered to other candidates in the waiting list of subsequent dates of admission and notified in the admission notice.

#### **4.3 Provisional Registration of Continuing Students**

A continuing student who cannot register on the prescribed date due to illness or other unavoidable circumstances for which sufficient proof will be given to the satisfaction of the Dean, may obtain provisional registration by paying the required fees by posts on or before the prescribed date of registration. Such a student shall have to complete other aspects of registration within one week from the date of registration, failing which his/ her provisional registration shall be cancelled and all fees paid by him/her shall be forfeited.

#### **4.4 Late Registration**

A continuing student who does not register on the scheduled date of registration shall be required to pay a late registration fee at the rate of Rs.100 per day of late. Late registration as per regulation shall not be permitted after seven working days from the scheduled date of registration for any semester. However, University may in very special cases, permit late registration within 15 days on payment of fine of Rs 2000/- in addition to the late registration fee as per regulation.

#### **4.5 University Registration Card**

A student is issued University registration card after admission process. University registration number continues to be his/her registration number for all examinations during his/her tenure of study. This card is also essential for attending classes in college and appearing in examinations. This is the most important document and the student must take care of it. Duplicate university registration card will be issued only after recommendation by the Dean of the school on paying the prescribed fees.

#### **4.6 Course wise Registration**

**a.** All registrations for a course shall be done within the stipulated period from the list of courses notified from year to year or laid down in the semester calendar under the authority of the Academic Council. The date of registration as notified or laid in the semester calendar shall not be changed under any circumstances without approval of the Academic Council.

**b.** Prior to registration, the student should have cleared all fees and arrears due to University, Department, Hostel, Library, etc.

#### **5. Students Advisory System**

**5.1** The newly admitted as well as continuing students shall present themselves before the Deans/ HOD of the respective departments in the beginning of each semester on date as prescribed in the prospectus, semester calendar or notified separately, for orientation and advice. The Dean shall assign the students group to different staff Advisors (Mentors).

**5.2.** The Advisor should discuss regarding course curriculum and other regulations in detail with the student group.

The Advisor (Mentor) shall have periodical meeting with the students and advise them towards maintaining good academic standards. One period per week may be allotted for such meeting. The advisor should bring to the notice of the concerned Dean, the problems of the students that require special measure.

#### **6. Course in the Programme**

**6.1** Each subject prescribed in a degree course shall be formulated into some discrete courses and spread over the number of semesters prescribed for the degree. Each course bears a number (course code) and carries a certain number of credit hours depending on the weightage given to that course in the curriculum.

**6.2** All Core Courses and certain number of Elective Courses prescribed for a degree program, shall be compulsory for the students of the degree program.

**6.3** A Course Catalogue for degree program shall be prepared and will be made available in the

University website.

## **7. Number and duration of classes**

- i. The number of classes in a course per week shall be equal to the number of credit hours, allotted for that course.
- ii. The duration of the lecture class shall not be less than 60 minutes.
- iii. The duration of practical class shall be 2 hours for Lab.
- iv. A theory class shall ordinarily consist of 55-60 students.
- v. A practical class shall ordinarily consist of 30-35 students.

## **8. Attendance**

**8.1.** A student is eligible to appear in a semester examination provided he/she attends at least 75% of classes in each and every subject. In case the student fails to have 75% attendance, he/she will not be allowed to appear for that particular subject or laboratory.

The attendance is considered from the date of commencement of classes as per academic calendar of the University. The schedule of classes is notified through a timetable before the beginning of the classes in a semester.

**8.2.** A student who is absent for short periods on health ground or due to participation in cultural, sports, other academic/official assignments in the interest of institution/ University / Government with prior written permission of the head of the institution / college is permitted a maximum of additional concession of 10% in attendance in aggregate both in theory and practical subjects in a semester.

## **9. Examination**

### **9.1 Internal Examination**

The University has a continuous evaluation system for each theory, sessional, design, practical and project. For the purpose the university holds the following examinations.

Internal Midterm Examination: Two

Internal Practical: Continuous Evaluation

### **9.2 Semester Final Examination**

Semester final examination for each course is conducted by the University at the end of each semester for theory and practical. This is an external examination.

### **9.3 Examination on Demand (EOD)**

EOD will be conducted for the benefit of students who have backlogs from previous semesters on a pre-announced schedule.

### **9.4 Evaluation**

The performance evaluation of the student in a course shall be undertaken through various kinds of examinations and assessment of laboratory records, class work, projects and other instruments.

The marks to be allotted between the theory and practical work shall be in the proportion of their respective credit hours. In the allocation of marks for the course, every credit will be evaluated for 50 marks (theory/ practical) which may finally be converted to 100 marks for award of grade.

The proportion of marks for the end-semester final (external) theory and mid-semester (internal) theory examinations shall be 50:50 respectively. Marks for the practical shall be based on continuous evaluation of practical classes and a final practical examination will be conducted by external which shall include a viva-voce examination. The practical marks allotment between external and internal are 50:50 ratios (Table 1).

**Table 1: Distribution of Marks for Theory and Practical Examinations**

Sl. No.	Type of Course	Credits (Marks allotted)	Theory		Practical		Total
			Mid-term (Internal)	End-term (Final) (External)	Internal	External	
1	Theory + Practical	2+1 (50+50)	20	30	30	20	100
2	Theory	2+0 (100+0)	50	50	-	-	100
3	Practical	0+1 (0+100)	-	-	50	50	100

In order to pass in a course, a student should secure minimum of 40% marks in theory (in case of subjects having only theory component), 40% marks in practical (in case of subjects having only practical component), 40% marks aggregate in both theory and practical examinations put together (in case of subjects having both theory and practical components). If a student does not achieve this he/she has to reappear for the final examination in theory/practical or both as the case may be, when next conducted, for such course(s).

### **9.5 Summer Internship**

A student has to register total 10 credit Summer break internship during the 4 year. In-plant training-1(5 credit) during summer break June-July after 4<sup>th</sup> semester and In-plant training-2 (5 credit) during summer break June-July after 6<sup>th</sup> Semester.

### **9.6 Student READY (Rural and Entrepreneurship Awareness Development Yojana)**

A student has to register 22 credits for Student READY Programme in the 7<sup>th</sup> semester.

Student READY Programme includes 12- weeks Industrial Attachment /Internship (10 credit), 12-weeks Experiential Learning On campus (10 credit), one Educational Tour (2 credits).

The Industrial attachment will include capacity building and skill development of the students in an Industry by planning, development, formulation, monitoring and evaluation of project for skill development related to Agricultural Engineering. Experiential Learning includes Project Work and delivering seminar. The rules/ guide lines as prescribed in manual shall be followed which is available in university website.

### **9.7 Duration of Examinations and General Features**

The duration of examination will be as follows

- a. Individual mid-term theory examination: 1hr
- b. Individual practical examination: 2hr
- c. End semester theory examination: 2 to 3hr
- d. End semester practical examination: 2 to 3hr

**9.7.1** The schedule of classes shall be notified through a timetable before the beginning of the classes in the semester. Attendance records will be compiled at the time of each midterm examination and the students with poor attendance will be informed through notification. The guardian shall be informed through a letter/email regarding the short of attendance of the students before he/she is debarred from appearing the University examination.

**9.7.2** A student shall be admitted to any examination in a subject only if he/she has registered for that subject and paid necessary registration and examination fees at the beginning of the semester.

**9.7.3** Students, detained from appearing at the end-semester examination due to shortage of attendance, have to register for course once again and appear at the subsequent examination to pass. Such students can also register in short term (summer) with fee as decided by University and complete the course requirements for appearing the examination at the end of short term.

**9.7.4** A student shall be allowed in a semester examination only after he/she is issued an admit card for the relevant examination by the SoABE.

**9.7.5** Students who have been found to indulge in malpractice during examination will be awarded "M" grade in that subject. The University may take any additional disciplinary action at its discretion. Such candidates will be allowed to appear in subsequent examinations based only on the decision of the university.

**9.7.6** A student who is absent in either external theory or external practical or both of any course will be awarded 'S' grade. He/she will be allowed to appear in those courses in subsequent supplementary examination/EOD after permission from the authorities and with due fee.

**9.7.7** A student may register with a fee to appear in a supplementary examination/EOD for a paper which he/she has already failed. However, such facility is available only for the external final examination.

**9.7.8** In case of failure in a theory paper, internal marks will be carried forward and the student has to reappear in external theory only.

**9.7.9** In case of failure in internal practical, the candidate is given the chance to improve his/her marks by undertaking additional work/experiments as prescribed by the Department/School.

## **10. Grading System**

### **10.1 Grade point of a course**

It is the value obtained by dividing the percentage of marks secured in a course by 10. The grade point is expressed on a 10 point scale up to 1 decimal.

Ex: Grade of a student who secured 86 =  $86/10 = 8.6$

### **10.2. Credit point of a course**



It is the product of credit hours and grade point obtained by a student in a course.

### 10.3. Grade point average (GPA)

It is the quotient of the total credit points of all courses at the end of the semester divided by the total credit hours taken by him/her in that semester. The grading is done on a 10 point scale. The GPA is to be rounded up to one decimal place.

### 10.4. Overall grade point average (OGPA)

It is quotient of cumulative credit points obtained by a student in all the courses taken by him/ her from the beginning of 1<sup>st</sup> semester of the degree course divided by the total credit hours of all the courses which he/she had completed up to the end or a specified semester from the first semester. It will be rounded up to two digits after decimal.

## 11. Categorization of Grades and Their Correlation

This section gives the details of the Grading system being followed by the University.

c	Grade	Score on 100 Percentage Point	Point
Outstanding	‘O’	90 & above up to 100	10
Excellent	‘E’	80 & above but less than 90	9
Very Good	‘A’	70 & above but less than 80	8
Good	‘B’	60 & above but less than 70	7
Fair	‘C’	50 & above but less than 60	6
Pass	‘D’	40 & above but less than 50	5
Failed	‘F’	Below 40	2
Malpractice	‘M’	---	0
Absent	‘S’	---	0

**N.B.** *Grade C shall be considered as average, Grade D shall be pass Grade for theory and Grade C shall be Pass Grade for Practical / Sessional /Project*

## 12. Declaration of result

**12.1** In order to pass a course, a candidate must secure at least pass grade as defined in grading system (grade points) in each of the final theory and practical examination.

**12.2** The promotional status between two consecutive semesters and two consecutive levels / year shall be indicated on the semester grade sheet.

**12.3** The GPA of the semester shall be updated after the candidate clears the subjects, in which he/ she has failed, in a subsequent examination.

**12.4** The University shall publish list of all successful candidates of each of the semester examinations within the date prescribed in academic calendar.

**12.5** The overall performance of successful candidate for the award of a degree shall be based as the combined results of all examinations of the concerned programme.

**12.6** Gold medal will be awarded to the student who has secured the highest OGPA for that batch. However, the student is eligible for gold medal if only he/ she has passed each subject in the first attempt itself.

**13. Eligibility for award of degree certificate.**

A candidate will be eligible for the award of B.Tech Agriculture degree if he/she satisfies the following conditions.

- a) Completed the credit requirements of 180 hr (regular degree) or 140 hr (lateral entry).
- b) Passed in NSS activity during the study period.
- c) Has no due to the University, Library, Hostels, Transportation, etc.
- d) Has no disciplinary action pending against him/her.

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