

FACULTY OF ENGINEERING **RULES AND REGULATIONS**

For

Four Year Degree Programme of
BACHELOR OF ENGINEERING(B.E.)

(With effect from the academic year 2023-24)
(Approved by Academic Council on 5th July 2023)

“Empower Women - Impact the World”



Issued by **Dean, Academics**

STANLEY COLLEGE OF ENGINEERING
AND TECHNOLOGY FOR WOMEN
(AUTONOMOUS)

(Affiliated to Osmania University)
(Accredited by NAAC with "A" Grade, Accredited by NBA)
Abids, Hyderabad-500001, Telangana.

**B.E. PROGRAMMES
(Full-Time)**

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ACADEMIC RULES AND REGULATIONS OF FOUR YEAR B.E. REGULAR DEGREE PROGRAMME APPLICABLE FOR THE STUDENT BATCHES ADMITTED FROM THE ACADEMIC YEAR 2023–24

PREAMBLE

Stanley College of Engineering and Technology for Women – a temple of learning was established in the year 2008 on a sprawling 6-acre campus of historic Stanley College campus at Abids, Hyderabad. The college provides a serene and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the global competition with a smile on the face and emerge victorious. Stanley College of Engineering and Technology for Women has been established with the Executive board of Methodist Church of India that has been gracious and instrumental in making the vision of an Engineering College on this campus a reality. The College is affiliated to the prestigious Osmania University, Hyderabad. It has been approved by AICTE, New Delhi, recognized by the Government of Telangana. The College is Accredited by NAAC with 'A' Grade & All eligible Under Graduate (UG) Courses by NBA. It has been sanctioned with six UG-Courses: B.E. in Computer Science & Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Information Technology, Computer Engineering and Artificial Intelligence and Data Science as well as three PG Courses: M.Tech in CSE, M.E in Embedded Systems and Masters Degree in Business Administration.

Preliminary Definitions and Nomenclature

These rules are applicable to the students who are admitted to B.E (Eight Semesters) programme from the academic year 2023-24. The preliminary definitions and nomenclature are furnished in the following table.

S.No	Keywords	Definition
1	Programme	An educational programme leading to award of Degree B.E
2	Admission Procedure	As prescribed by Government of Telangana

3	Academic Year	Two consecutive (one odd + one even) semesters constitute One academic year.
4	Semester	Each semester will consist of 16 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.
5	Course	A course usually covers an individual subject. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes.
6	Course Content	Course content comprises of lectures/ tutorials/ laboratory work/Project work / seminars/ Exams/viva/assignments/presentations/self-study/ Internships /Field Works etc. Or a combination of some of these. The medium of instruction, examinations and project report will be in English
7	Credit	A unit by which the course work is measured. It determines the number of hours of instructions required per week.
8	Credit Point	It is the product of grade point and number of credits for a course
9	Letter Grade	It is an index of the performance of students in a said course. Grades are denoted by letters like S,A,B,C,D, E etc.
10	Grade Point	It is a numerical weight allotted to each letter grade on a 10-point scale.
11	SGPA	Semester Grade Point Average (SGPA), it is a measure of performance of work done in a semester. It is the ratio of total credit points secured by a student in various Courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
12	CGPA	Cumulative Grade Point Average (CGPA), it is a measure of overall cumulative performance of a student overall semesters. The CGPA is the ratio of sum of product of SGPA in a semester and credits of that semester to the total of credits of all semesters. It is expressed up to two decimal places.
13	Grade Sheet	Based on the grades earned, a grade sheet shall be issued to all the registered students after every semester. The grade sheet will display the course details (Course title, number of credits, grade secured)

		along with SGPA of that semester and CGPA earned till that semester.
14	STLW	Stanley College of Engineering and Technology for Women

UNDER-GRADUATE DEGREE PROGRAMMES ON OFFER:

STLW offers a 4-year (8 semesters) Bachelor of Engineering (B.E.) degree programme with effect from the academic year 2023-24 onwards, in the branches as shown in the following table.

Table - B.E. Programmes of study on offer

S. No.	Branch	Code	Sanctioned Intake
1.	Computer Science and Engineering	CSE	180
2.	Electronics and Communication Engineering	ECE	120
3.	Electrical and Electronics Engineering	EEE	30
4.	Information Technology	IT	120
5.	Computer Engineering	CME	60
6.	Artificial Intelligence and Data Science	ADS	90

I. ADMISSION:

- The eligibility criteria for admission into engineering programmes offered at STLW shall be as prescribed by the Government of Telangana. The criteria are given below:
- The candidate shall be an Indian National / NRI.
- The candidate should have completed 16 years of age as on 31st December of the academic year for which the admissions are being conducted.
- The candidate should have passed the qualifying examination (10+2) or equivalent as on the date of admission recognized by Board of Intermediate Education (BIE), Telangana State.
- Seats in each programme in the Institute are classified into two categories i.e., Category – A and Category – B as per the GOs.

Category – A Seats

These seats shall be filled through counseling as per the rank secured by a candidate in the Common Entrance Test (TSEAMCET) conducted by the Government of Telangana and as per other admission criteria laid down in the GOs.

Category – B Seats

These seats shall be filled by the Institute as per the GOs issued by the Government of Telangana from time to time.

Direct Admission to Second Year: (Lateral Entry Scheme)

A candidate shall be admitted into the third semester based on the rank secured by the candidate in the Engineering Common Entrance Test TSECET (For Diploma Holders)] by the Government of Telangana and as per other admission criteria laid down in the Gos of the Government of Telangana.

MEDIUM OF INSTRUCTION:

The medium of instruction shall be English for all the Courses including their content delivery and examinations, seminars, presentations and project evaluation as prescribed in the programme curriculum.

B.E. PROGRAMME STRUCTURE:

The structure of the B.E. programmes on offer at STLW are based on the Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as defined by the UGC and the curriculum/course structure as suggested by the AICTE in its Model Curriculum.

Semester Scheme:

The B.E. programmes offered at STLW follow semester scheme pattern.

The duration of a B.E. programme shall be of 4 academic years. Each academic year shall have 2 semesters i.e., odd and even semesters and shall be counted as first semester, second semester, third semester and so on upto eighth semester.

Each semester shall consist of 16 weeks of academic work excluding external examination and evaluation.

Each semester is structured to provide credits totaling to 160 credits for the entire B.E. programme.

Each semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'.

Each student shall secure a total of 160 credits with a CGPA ≥ 4.5 required for the completion of the UG programme and the award of the B.E. degree.

A student after securing admission into a B.E. programme at STLW shall pursue and acquire the B.E. degree in a minimum period of

four academic years i.e., 8 semesters and a maximum period of six academic years i.e., 12 semesters starting from the date of commencement of First year First semester, failing which the student shall forfeit the seat in B.E. programme.

II. DURATION AND PROGRAMME OF STUDY

Semester Duration: The duration of the program is eight semesters (four years) such as I, II, III, IV, V, VI, VII and VIII semesters. Each academic year shall comprise two semesters. Instruction per semester 16 weeks and each semester of study shall normally consist of 90 working days. A student is expected to complete the B.E. Programme in eight semesters for regular programme and in 6 semesters under lateral entry scheme.

S.No	Duration	Particulars
1	16 weeks	Class Work including CIE
2	2 Weeks	Preparation Holidays and Practical examinations
3	2 Weeks	From Commencement of Theory Examinations (SEE)
4	6 Weeks	Break / Supplementary / make-up examination / Mini Project / Internship

No admission / readmission / promotion are entertained after four weeks of the commencement of instruction.

In case there are any court cases consequent to which the authorities are compelled to admit any candidate after the announced last date of admissions, the admission (seat) of such a student would be reserved for the subsequent year on a supernumerary basis. No refund of Tuition fee will be made after the commencement of instruction for students who wish to cancel their admission. The schedules of study of all programmes are regulated by the Academic Council of the Stanley College of Engineering and Technology for Women.

Each candidate will be allotted to one of the programs at the time of admission, strictly depending on the merit secured at the Entrance Examination, and subject to the rules in force regarding reservations of seats. Under CBCS, programme duration shall be defined by the period in which a student earns the prescribed credits for the award of B.E. degree.

Normal Duration:

- The duration of the B.E. degree programme shall be four years.
- The duration of the B.E. lateral entry scheme (LES) degree programme shall be three years.

Maximum Duration:

- Candidate who fails to fulfill all the requirements for the award of the degree as specified here in after within N+2 academic years from the time of admission, will forfeit her seat in the program and her admission will stand cancelled, where 'N' is the no. of years of program of study (4 years for B.E).
- The maximum period for a programme shall also be dictated by the fact that a student has to demonstrate the prescribed minimum academic performance by registering for the prescribed minimum number of credits in every semester, for continuing in the programme. This period can be equal to or lesser than the maximum period indicated as above.

Industrial Training/Internship

The student has to undergo Industrial Training/Internship and the earned will be indicated in the Mark Sheet. The student is allowed to undergo a three Industrial Training / Internship during the entire duration of study.

Duration of Training / Internship	Credits
2 Weeks	1
4 Weeks	2
6 Weeks	3

Project Work

Eighth Semester is dedicated to Project work. However one subject is offered online. This subject pursuing is as per the student choice. A subject identified and recognized by the department can be done either during the project work or extra subject in VI to VII semester through NPTEL/SPOKEN TUTORIAL/Course Era etc. For students who want to continue in the department or College on PE/OE will be offered online. For exams the students has to come to college and write.

The Project can be carried out in the industry locally or out of City. For students who could not accommodated in industry or not interested will be given chance to do the PW in the college. All the students should give weekly report to the department guide (For industry doing students also will be allotted one internal guide) and should present the progress to Department Review Committee for every month online or offline. After completing the project work they should submit the report in prescribed proforma and physically present for examination.

Types of Courses in the Programme

Courses in a programme will be of the following kinds:

Course Work and Subject Area	
HS	Humanities, Social Sciences and Management
BS	Basic Sciences including Mathematics, Physics and Chemistry
ES	Engineering Sciences including Workshop, Drawing, Basic Electrical/ Electronics
PC	Professional Core Subjects
PE	Professional Elective Subjects relevant to be chosen specialization/branch
OE	Open Elective Subjects from other technical subjects
PW	Project Work, Seminars, Internship in industry or elsewhere
MC	Mandatory (non-credit) Courses
AC	Audit (non-credit) Courses
TOTAL OF 160 CREDITS	

Contact hours and credits (Courses and Credit Structure)

The norms for course credits are as follows:

Lecture (L) / Tutorials (T): One (1) hour per week is assigned one (1) credit I

Practical (P): Two (2) hours session per week is assigned one (1) credit I.

For example, a theory course with a L-T-P schedule of 2-1-0 will be assigned three (3) credits.

L	T	P	C
2	1	0	3

A laboratory practical course with a L-T-P schedule of 1-0-3 will be assigned two and half (2.5) credits.

L	T	P	C
1	0	3	2.5

Structure:

Every B.E. programme of study shall be designed to have theory and laboratory Courses. In addition, a student shall carry out internship, industry oriented mini-project, project, design sensitization, design thinking and other Courses as prescribed in the curriculum of the programmes.

REGISTRATION OF COURSES

- Every admitted student shall be assigned to a Faculty advisor who shall advice and counsel the student about the details of the academic programme, rules and regulations and the choice of Courses considering the students' academic background and career objectives.
- Each student on admission shall register for all the Courses prescribed in a semester of study including open electives.
- Every student shall enroll for the Courses of the succeeding semester at the end of the current semester. However, the student shall confirm the enrolment by registering for the Courses before the three working days of the commencement of the concerned semester. Online registration of Courses including open electives, extracurricular and co- curricular Courses will be provided and students should visit the college website for details.
- The registration of the Courses (such as professional electives, open electives etc) by the students in each semester apart from the compulsory Professional Courses as prescribed by the department concerned shall be completed within the stipulated period and on or before the due date prescribed. Change of professional electives and open electives will not be entertained after the due date.
- No course shall be offered by a Department unless a minimum of 20 students for elective course. After registering for a course, a student shall attend the classes, to satisfy the academic requirements for attending the semester end examinations.
- The enrolment for all the Courses of the even Semester will commence 15 working days prior to the last working day of odd Semester. The student shall confirm the enrolment by registering for the Courses before the three working days of the commencement of the even semester. However, the student can register for Courses for which the student has not enrolled, if these are the Courses in which the student has failed. No change of course under any circumstances will be entertained once registration of Courses is completed.

III. RULES AND REGULATIONS OF ATTENDANCE

- IV. Candidates admitted to a particular program of study are required to pursue a "Regular program of study" before they are permitted to appear for the Semester End Examination.
- V. "A regular program of study" means putting in attendance of not less than 75% in each semester.
- VI. a) In special cases and for sufficient cause shown, the Chairman Academic Council may, on the specific recommendations of the Principal / Head of the Department, condone the deficiency in attendance to the extent of 10% on medical grounds subject to

submission of medical certificate and payment of condonation fee.

- b) However, in respect of candidates who seek condonation of attendance due to pregnancy, the chairman Academic Council may condon the deficiency in attendance to the extent of 15% (as against 10% condonation for others) medical grounds subject to submission of medical certificate to this effect. Such condonation shall not be availed twice during the program of study. In case of hearing impaired, orthopedically handicapped and visually challenged candidates, 10% reduction in pass marks in each subject is admissible as per G.O. Ms. No.150, dated 31-08-2006.
- VII. The fee for condonation of attendance on medical grounds shall be Rs. 2000/- (Rupees Two Thousand only) payable through Demand Draft drawn in favour of the "Principal, Stanley College of ENGG.. & TECH for Women."
- VIII. "Attendance of N.C.C / N.S.S Camps or Inter collegiate or Inter University or Inter State or International matches or debates or Educational Excursions or such other Inter University activities as approved by the authorities involving journeys outside the city in which the college is situated will not be counted as absence. (i) Such absence shall not exceed four (4) weeks per semester of the total period of instructions. (ii) Such leave should be availed with prior permission from the Principal and not be availed more than twice during the program of study. (iii) Without any prior permission, such leave shall be treated as absence. (iv) While calculating the attendance, the no. of classes not attended in each subject should be deleted in the denominator.
- IX. The attendance shall be calculated on the aggregate of the papers / Courses from the date of commencement of classes / date of readmission in case of detained candidates as per the almanac communicated by STLW.
- X. In case of the candidates who fail to put in the required attendance in a program of study, she shall be detained in the same class and will not be permitted to appear for the Semester End Examination. Such candidates shall have to seek readmission into the same class during the subsequent year in order to appear for the examination after fulfilling the attendance requirements and on payment of requisite tuition fee.
- XI. a) Candidates admitted to the first year through an entrance test and do not have the requisite attendance but have not less than 40% attendance can seek readmission without once again appearing for the entrance test.
- b) In respect of candidates of such programs where the admissions

are governed through an entrance test, candidates of First semester who do not have the minimum 40% attendance would lose their seat and they will have to seek admission afresh by appearing at the entrance test once again.

IV. SCHEME OF INSTRUCTION AND EXAMINATION

ASSESSMENT PROCEDURES FOR AWARDING MARKS

All B.E. programmes consist of Theory Courses, Laboratory Courses and Employability Enhancement Courses. Employability Enhancement Courses include Project Work, Seminar, Professional Practices, Case Study and Industrial/Practical Training.

Appearance in End Semester Examination is mandatory for all Courses including theory, laboratory and project work. Performance in each course of study shall be evaluated based on (i) Continuous Assessments throughout the semester and (ii) End Semester Examination at the end of the semester. The evaluation shall be based on Outcome Based Education (OBE). For Theory Courses out of 100 marks, the maximum marks for continuous assessment is fixed as 40 and the end semester examination carries 60 marks. For Laboratory Courses out of 100 marks, the maximum marks for continuous assessment is fixed as 40 and the end semester examination carries 60 marks. The Project credits including Mini & Major Projects, Field works & Internships, Technical Seminars & Paper writing etc. are 16.

Each course shall be evaluated for a maximum of 100 marks as shown below:

S.No	Category of course	Continuous Assessments	End-Semester Examinations
1.	Theory Courses / Theory Courses with Laboratory	40 Marks	60 Marks
2.	Laboratory Courses	40 Marks	60 Marks
3.	Project	80 Marks	120 Marks

DISTRIBUTION OF MARKS AND EVALUATION METHODOLOGY:

The performance of a student in each semester shall be evaluated course wise with a maximum of 100 marks for theory and 100 marks for practical Courses. In addition, design sensitization, design thinking, internship, industry oriented mini-project, project stage-I and project stage-II Courses shall be evaluated for 100 marks each.

Theory Courses:

- The syllabus for the theory Courses shall be divided into FIVE units and each unit carries equal weightage in terms of marks distribution.
- For theory Courses, the distribution of marks shall be 40 marks for Continuous Internal Evaluation (CIE) and 60 marks for the Semester End Examination (SEE).

Continuous Internal Evaluation (CIE – 40 M):

- Continuous Internal Evaluation (CIE) shall consist of sessional examination (Internal Exam– 25 M), Quiz (Q-5M), Assignment (A-5M) Class Assessment (CA- 5 M).

Internal Examination (25 M):

- a. For theory Courses, Two sessional/Internal exams will be conducted compulsory. The optional third sessional/Internal exam with full syllabus will be conducted. Average of best two sessional Exams shall be calculated and used as the final sessional marks for each course. Each sessional examination shall be evaluated for 25 marks.
- Question paper pattern for sessional examination (25 Marks) shall be as follows:

PART-A: 5 X 2 M = 10 M

All questions are compulsory.

PART-B: 3 X 5 M = 15 M

- b. In Part-B three out of four questions have to be answered.

Class Assessment (CA -5M):

The CA marks of each subject will be acquired by performing any one of the following activity during the semester.

Activity	Max.Marks(5M)
Technical Participations in inter College Competitions / Paper Presentations / Publications	5 Per Activity
Certification Courses (SWAYAM,NPTEL or Relevant online Recommended Course etc)	5 Per Activity
Course Project/Project Based Learning (PBL) (Group of three Students)	5 Per Activity
Viva (Conducted by Course Committee)	5

The valuation and verification of answer scripts of CIE shall be completed within a week after the conduct of the examination.

Semester End Examination (SEE - 60 M):

- The SEE shall be conducted at the end of semester for a total of 60 marks of 3 hours duration.
- The syllabus for the theory Courses shall be divided into FIVE units and each unit carries equal weightage in terms of marks distribution.

Question paper pattern for SEE (60 Marks) shall be as follows:

PART-A: 5 X 2 M = 10 M

- a. There shall be one question from each unit.
- b. All questions are compulsory.

PART-B: 5 X 10 M = 50 M

- a. There shall be one question from each unit with internal choice i.e., 'either' 'or' choice.
- b. The student shall answer one question from each UNIT.
- c. There could be a maximum of two sub divisions in a question i.e., (a) and/or (b).

PART-A: 6 X 2 M = 12 M

- a) All questions are compulsory.

PART-B: 4 X 12 M = 48 M

- a) The student shall answer four questions out of six questions.
- b) There could be a maximum of two sub divisions in a question i.e., (a) and/or (b).

The evaluation of BE project (Project –II/ Fulltime Internship) for semester end examination consists of a maximum of 200 marks which will be distributed as per the guidelines given below:

The evaluation of BE project (Project –II/ Fulltime Internship) for semester end examination consists of a maximum of 200 marks which will be distributed as per the guidelines given below:

- i) 60 Marks are allocated for quality of the project work covering
 - a. Literature-review, - 10
 - b. Innovation / Originality - 10
 - c. Methodology - 20
 - d. Relevance / Practical application which will be awarded jointly by the internal and external examiners. - 20
- ii) 60 Marks are allocated for candidate's presentation and performance in terms of her viva-voce examination and overall subject knowledge and overall subject knowledge and output/outcome/Results.

iii) For the courses Field work/Internship will be evaluated by Internship Review Committee (IRC) in the respective Program. The students have to undergo an Internship in summer vacation after/during even semesters. The report submission and evaluation will be done in the first two weeks of immediate odd semester and the related credits will be included in the same odd semester.

V. RULES OF PROMOTION

S.No.	Semester / Class	Conditions to be fulfilled
1.	From I-Semester to II-Semester	Regular Program of study of BE I Semester
2.	From II-Semester to III-Semester	Regular program of study of B.E. II-Semester and must have earned at least 50% of credits (rounded to the next nearest integer) prescribed for B.E. I-Semester and II-Semester.
3.	From III-Semester to IV-Semester	Regular program of study of B.E. III-Semester.
4.	From IV-Semester to V-Semester	Regular program of study of B.E. IV-Semester and No. of backlog credits, if any of B.E. I, II, III and IV-Semester put together shall not exceed 50% (rounded to the next nearest integer) of the total number of credits prescribed for the B.E. III & IV-Semester
5.	From V-Semester to VI- Semester	Regular program of study of B.E. V-Semester
6.	From VI- Semester to VII- Semester	Regular program of study of B.E. VI-Semester and No. of backlogs, if any of B.E. I to VI-Semester put together shall not exceed to 50% (rounded to the next nearest integer) of the total number of credits prescribed for the B.E. V & VI- Semester
7.	From VII-Semester to VIII-Semester	Regular program of study of B.E. VII-Semester

Note:

1. If a candidate has more than permitted number of credits as backlogs, she will be detained.
2. The candidate who wishes to take readmission into the year in which she is detained have to pay the total tuition fee of that year and all the credits earned during that year shall become null and void.

VI. GRADING SYSTEM

1. Candidates who have passed all the examinations of the B.E. Degree Program shall be awarded CGPA in accordance with the grade secured by them in all eight Semesters taken together, including the sessional marks secured in those semesters.

The grade secured shall be shown in the memorandum of marks as per the performance in SEE and CIE.

A minimum Cumulative Grade Point Average (CGPA) of 4.5 is required for the award of Degree. The consolidated memorandum of marks will reflect the credits / grade scored in each subject.

SEMESTER GRADE POINT AVERAGE (SGPA) & CUMULATIVE GRADE POINT AVERAGE (CGPA)

$$\text{SGPA} = \frac{\sum(\text{Letter Grade Point}_i \times \text{Credit}_i)}{\sum(\text{Credit}_i)}$$

where i ranges over all Courses in that semester

$$\text{CGPA} = \frac{\sum(\text{SGPA}_j \times \text{Credits}_j)}{\sum(\text{Credits}_j)}$$

where j ranges over all semesters upto which the CGPA is computed.

- a. SGPA is calculated upto second decimal point and it is calculated only when all subjects in that semester are cleared / passed.
- b. CGPA at a given point of Semester is calculated upto second decimal point. It is calculated only when total credits earned are equal to total credits prescribed as per scheme upto a semester in which the candidate has last appeared for SEE.

Illustration of calculation of SGPA:

Course Name	Course Credits (C)	Letter Grade	GradePoint (GP)	Credit Point (CP = C x GP)
Course 1	3	O	10	3 x 10 = 30
Course 2	4	A	9	4 x 9 = 36
Course 3	3	B	8	3 x 8 = 24
Course 4	3	C	7	3 x 7 = 21
Course 5	3	D	6	3 x 6 = 18
Course 6	4	E	5	4 x 5 = 20
TOTAL CREDITS	20	TOTAL CREDIT POINTS		149

Thus, SGPA = 149/20 = 7.45

Illustration of calculation of CGPA upto II semester:

Semester	Course Name	Course Credits (C)	Letter Grade Secured	Grade Point (GP)	Credit Point (CP = C x GP)
I	Course 1	4	O	10	40
I	Course 2	4	A	9	36
I	Course 3	4	B	8	32
I	Course 4	1.5	C	7	10.5
I	Course 5	1.5	D	6	9
I	Course 6	3	E	5	15
I	Course 7	1	O	10	10
II	Course 8	4	A	9	36
II	Course 9	4	B	8	32
II	Course 10	2	C	7	14
II	Course 11	3	D	6	18
II	Course 12	1.5	E	5	7.5
II	Course 13	1	O	10	10
II	Course 14	2	A	9	18
II	Course 15	2.5	B	8	20

$$\text{SGPA of I Sem} = 152.5/19 = 8.03$$

$$\text{SGPA of II Sem} = 155.5/20 = 7.78$$

$$\text{CPGA upto II Sem} = (8.03 \times 19 + 7.78 \times 20) / 39 = 7.9$$

The above illustrated process of calculation of CGPA shall be followed for each subsequent semester until eight semesters.

The CGPA obtained at the end of eight semesters shall be the final CGPA secured by the student for the entire B.E. programme.

GRADE CARD:

The grade card issued shall contain the following:

- The credits for each course offered in that semester.
- The letter grade and grade point awarded in each course.
- The SGPA/CGPA.
- Total number of credits earned by the student up to the end of that semester.

REVALUATION:

- A candidate desires to have revaluation can apply as per STLW(A) norms and notification of Exam branch of STLW(A) issued at the time of declaration of results. A Photo copy of valued theory answer script can also be obtained by paying the prescribed fee which will be mentioned in the said notification.

- The Controller of Examinations (CoE) shall arrange for the revaluation and declare the results.
- Revaluation shall not be permitted to the Courses other than theory Courses.

CREDIT TRANSFER:

Credit transfer of a student from other Institution to STLW is permitted for undergraduate programme as per the GOs from the Government of Telangana.

Credit transfer from another Institution to STLW:

- A student studying in another Institution can take transfer to STLW against notification and orders issued by the Government of Telangana, under the following conditions:
- When a student seeks transfer, equivalent credits shall be assigned to the student based on the Courses studied earlier by the student.
- The student, when transferred from other Institution, must follow the rules and regulations of STLW.
- To graduate from STLW, a transferred student must study at least half of the minimum duration prescribed for a programme at STLW.

WITH-HOLDING OF RESULTS:

- If a student has not paid the pending dues to the institute/if any case of indiscipline/malpractice is pending against him, the results of such student shall be withheld.
- The issue of the award of the provisional certificate and the B.E. degree is liable to be withheld in such cases.

VII. AWARD OF DEGREE

The degree of bachelor of engineering will be conferred on candidate who has pursued a regular program of study of four academic years as hereinafter prescribed in the scheme of instruction and has passed all the examinations as prescribed in the scheme of examinations. Credits should get 160 for a student to be eligible to get Under Graduate degree in Engineering.

To obtain degree, the student shall have passed in all the Courses and secured the number of credits as prescribed in the course structure of program offered by department concerned and should obtain a CGPA of at least 4.5 and shall not have any disciplinary actions pending against him/her. The award of division secured in the degree on 10-point scale is given below:

CGPA SCORE	DIVISION AWARDED
7.50 and above (7.50-10.00)	First Division with distinction
Above 6.50 and below 7.50	First Division
Above 5.50 and below 6.50	Second Division
Above 4.50 and below 5.50	Pass division
Below 4.50	Fail

The CGPA and Division(Class) awarded will be mentioned on Consolidated Marks Memo (CMM) and Provisional Certificate (PC).

VIII. AWARD OF GOLD MEDAL

- a. A student securing highest CGPA in single attempt is eligible for award of Gold Medal.
- b. A readmitted student is not eligible for Gold medal.

IX. IMPROVEMENT OF OVERALL SCORE

1. A Candidate who wishes to improve her Overall score may do so within one academic year immediately after having passed all the examinations of the B.E. Degree program, by reappearing in not more than two semester (all subjects pertaining to the semester taken together) examinations.
2. For the award of the Overall score, she will have the benefit of the higher of the two aggregates of marks/grade secured in the corresponding semester(s).

X. GENERAL RULES OF EXAMINATION

- Procedures and the conduction of Exams will be as per Osmania University.
- The three mid exams in a semester and the average marks of best two exams will be taken as final CIE marks.
- The CIE marks will be divided as 25M-Exam, 5M-Assignment, 5M-Quiz, 5M-CA. In Mid exam, the Part-A all questions to be answered and choices will be given in Part-B.
- The Practical Examination marks distribution is followed as 40M (Internal), 60M (External) and there will be three internal Exams in a semester.
- The distribution of Lab internal Marks as 10M (Continuous

Assessment), 10M (Record), 20M (Exam (10M Write up+10M for viva)).

- The grading and Malpractice system will be same as Osmania University.
- The procedure for detention and rejoining of students can be changed by case to case by approval of Academic Council/ CAS.
- The rankers of each department will be given upto Top 10 ranks.
- The attendance system as per Osmania University.

XI. TRANSITORY REGULATIONS:

1. Whenever a Course or Scheme of Instruction is revised/modified in a particular semester/year, two more examinations immediately following thereafter shall be conducted according to the old syllabus/regulations, provided the content in the course has changed more than 40%.

2. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the revised syllabus and regulations.

XII. RANGE OF CREDITS

Credit system will be implemented in each semester. The credit hours for each theory course, laboratory sessions, Skill Development Courses and project work are clearly mentioned in the scheme of instruction.

Absolute/Relative grading system is adopted in awarding the letter grades. The marks are converted to grades based on pre-determined class interval. As per the UGC recommendations a 10-point grading system with the following letter grades are used:

Academic Performance (%)	Letter Grade		Grade Points
90 ≤ Marks ≤ 100	O	Outstanding	10
80 ≤ Marks < 90	A	Excellent	9
70 ≤ Marks < 80	B	Very Good	8
60 ≤ Marks < 70	C	Good	7
50 ≤ Marks < 60	D	Average	6
40 ≤ Marks < 50	E	Pass	5
0 ≤ Marks < 40	F	Fail	0
	Ab	Absent	0

A candidate shall be deemed to have fully passed the Examination, if she secures not less than the minimum marks as prescribed in the following Table.1

Table.1. Minimum Qualifying Marks

Sl.No	Course particulars	SEE (Max.60Marks)	CIE+SEE (Max.100Marks)
1	Theory Course	40%	40% (E-Grade)
2	Laboratory Course/ Drawing Course/ Project Work-II	50%	50% (D-Grade)

A course that has sessional/CIE marks but no Semester End Examination as per scheme is treated as Pass if she secures 40 % (E-Grade) of sessional/CIE marks.

XIII. Guidelines for Lateral Entry Admission and Re-Admitted students

Academic Regulations for B.E. Lateral Entry Scheme from the Ay 2022-23

Eligibility for award of B.E.Degree (LES)

- ❖ The LES students after securing admission shall pursue a course of study for not less than three academic years and not more than $n + 2$ academic years (where $n = 3$ Years).
- ❖ The student shall register for 125 credits and secure 125 credits with CGPA ≥ 4.5 from III Semester to VIII Semester B.E. programme (LES) for the award of B.E. degree.
- ❖ The students, who fail to fulfill the requirement for the award of the degree in $n + 2$ academic years from the year of admission, shall forfeit their seat in B.E.
- ❖ The attendance requirements of B.E. (Regular) shall be applicable to B.E. (LES).

Promotion rule

S. No	Promotion	Conditions to be fulfilled
1.	From III Semester to IV Semester	Regular program of study B.E. III Semester and register for III Semester Examination.
2.	From IV Semester to V Semester	(i) Regular program of study B. E. IV Semester and register for IV Semester Examination. (ii) Must have earned at least 50% of credits prescribed for B.E. III Semester and IV Semester put together.
3.	From V Semester to VI Semester	Regular program of study of B.E. V Semester and register for V Semester Examination.
4.	From VI Semester to VII Semester	Regular program of study of B.E. VI Semester and number of backlogs, if any of B.E. III to VI Semester put together shall not exceed 50% (rounded to the next nearest integer) of the total number of credits prescribed for the B.E. V & VI Semester.
5.	From VII Semester to VIII	Regular program of study of B.E. VII

	Semester	Semester and register for VII Semester Examination.
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Bridge Course

[For students admitted through Lateral Entry to III Semester]

It will be a compulsory course for all branches of UG Engineering & Technology students admitted through Lateral Entry to III Semester (through Diploma and B.Sc.).

Student has to pass these Courses as prescribed by their respective BoS.

Guidelines for Evaluation of Bridge Course and Mandatory Course

Bridge Course:

The students have to register, appear for the Bridge Course during the III Semester and after successful completion of the course, the grades will be reflected in the mark sheet of the student. For passing the Bridge Course, candidate must obtain at least Grade E as per SCETW norms.

Mandatory Course (MC):

The students have to undergo the process of MCs (One course per Semester from III-V Semesters) with the evaluation process on par with regular students.

All the other rules and regulations are applicable on par with regular students. B.E. Semester degree course (Regular), Minor Degree and Honors Degree will hold good for B. E. (Lateral Entry Students).

XIV. GUIDELINES FOR RE-ADMISSION

Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester. They may seek re-registration for all those subjects registered in that semester, in which the student is detained, by seeking re-admission into that semester as and when offered; if there are any professional electives and/ or open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the same set of elective subjects offered under that category.

- A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same class.
- A student detained in a semester due to shortage of attendance may be re-admitted in the same semester in the next academic year for fulfillment of academic requirements.
- The candidates detained in any semester will have to take re - admission in next academic year(s) at the beginning/commencement of the semester. The duration for re-admission will be permitted within two weeks of the commencement of the semester.

- The process of re - admission will not be entertained after the stipulated time (2 weeks).
- The academic regulations under which a student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which the student has been detained.
- A student detained due to lack of credits, shall be promoted to the next academic year only after acquiring the required academic credits. The academic regulations under which the student has been re - admitted shall be applicable to her.
- If any change in the courses, syllabus or curriculum, the equivalence or conversion will be decided by the respective Chairperson BoS and in turn by the Academic Council.
- The duration for the completion of the degree is $n + 2$ years, where “n” will start from the year of actual admission. If there is no possibility of completing within $n + 2$ years, then re – admission will not be done.
- The request for re – admission has to be made before beginning or at the most within a week of commencement of the semester with a requisition fee of Rs. 500/-, otherwise with a late fee (as per OU fee structure) in second week.

XV. ACADEMIC REGULATIONS FOR B.E. WITH MINOR DEGREE

Introduction

A Minor degree is useful to the Students who wish to enhance their major discipline with other courses. It can add value to their academic background for higher studies, allows them to take up interdisciplinary research and throws good opportunities in industry. Students, who are desirous of pursuing their special interest areas other than the chosen discipline of Engineering, may opt for additional courses in minor specialization groups offered by a department other than their parent department. Such students shall select the stream of courses offered by the respective departments and earn a Minor Specialization.

Objectives

The objectives of the minor degree program are:

- To enhance the employability skills and impart deep knowledge in emerging areas which are usually not being covered in Undergraduate Degree credit framework.
- To diversify the knowledge of the undergraduates.
- To have more educational and professional skills after the completion of her undergraduate courses.
- To give a scope to specialize students in other streams of engineering in addition to the ones they are currently pursuing.

Guidelines

The following guidelines for B.E. Minor degree got approval in second Academic Council meeting held on 28th July 2022.

- A student needs to earn additional **18-20 credits** over and above the required 160 credits for B. E degree.
- The list of courses of each Minor program, their respective credits weightage and semester-wise break-up of the courses are given with respective Minor Degree Program.
- The credits may be obtained from their 4th semester onwards with prior approval from the respective chairperson.
- After registering for the Minor programme, if a student is unable to earn all the required **18-20 credits** in a specified duration (**n + 2**), she shall not be awarded Minor degree. However, if the student earns all the required 160 credits of B.E., she will be awarded only B. E degree in the concerned branch.
- There is no transfer of credits from Minor program courses to regular B. E. degree course & vice versa.
- The theory subjects can also be studied under MOOCs/NPTEL/ Coursera. However Laboratories and Project work have to be done in the College in line with the Academic Rules and Regulations prevailing time to time.
- The choice to opt/take a Minor program is purely on the choice of the students.
- On successful accumulation of these additional credits, at the time of graduation, it shall be mentioned in the degree certificate as "Bachelor of Engineering in **AAAA** Engineering, with Minor in **BBBB** Engineering".

Courses offered for B.E. with Minor Degree from AY-2023-24

SI.No	Program Admitted to	Courses offered - Minor Degree
1.	Computer Science and Engineering	IoT, AI, DS, ML, Cyber Security, AR & VR, Block Chain and Robotics
2.	Electronics and Communication Engineering	CSE, IoT, AI, DS, ML, Cyber Security, AR & VR, Electrical Vehicle Design, 5G Communications, Block Chain and Robotics
3.	Electrical and Electronics Engineering	CSE, IoT, AI, DS, ML, Cyber Security, AR & VR, Block Chain, Electrical Vehicle Design, Renewable Energy and Robotics
4.	Information Technology	IoT, AI, DS, ML, Cyber Security, AR & VR, Block Chain and Robotics
5.	Computer Engineering	IoT, AI, DS, ML, Cyber Security, AR & VR, Block Chain and Robotics
6.	Artificial Intelligence and Data Science	IoT, ML, Cyber Security, AR & VR, Block Chain and Robotics
7.	Artificial Intelligence & Machine Learning	IoT, DS, Cyber Security, AR & VR, Block Chain and Robotics

XVI. ACADEMIC REGULATIONS FOR B.E. WITH HONORS DEGREE

Introduction

The idea of introducing the B.E.(Honors) degree is to facilitate the students who are academically excellent, having good academic record and are passionate towards higher

studies and research. The additional courses shall be advanced subjects in the concerned department/discipline. The parent department will determine required courses for award of Honors degree. The subjects in the Honor degree would be a combination of core (theory, lab/Project) and some electives.

Objectives

The objectives of initiating the B.E.(Honors) degree are:

- To gain knowledge of new skills and methodologies concern to their of area interest after the completion of her undergraduate courses.
- To improve the Professional development
- To encourage the undergraduates towards higher studies and research

Guidelines

The guidelines for B.E.(Honors) degree are as follows:

- Students should not have any backlogs at any point of time while perusing regular/Honors course (Exception may be for Audit Courses, Mandatory Courses).
- They must have greater than or equal to 7.5 CGPA at the end of their regular course.
- A student needs to earn additional **18-20 credits** over and above the required 160 credits for B. E degree.
- It is recommended that these courses will be conducted through Swayam.
- 40 credits are to be offered, out of which **18 to 20** credits must be selected and achieved covering theory, lab and project courses. The grades obtained in online mode are to be used in continuous and end evaluation and no separate evaluation need be done by the parent department In case of Non availability of courses at SWAYAM/NPTEL, the parent department may conduct courses and also evaluation.
- To obtain **18 to 20** credits, prior registration and approval from respective BOS Chairperson is mandatory.
- The students willing to opt for honors degree should start earning credits from 4th semester onwards. However, the honors of degree will be awarded only after the completion of the regular course and fulfilling the above conditions.
- It is suggested that the courses should include advanced subjects in the specialization offered by the regular program and be of duration of atleast 40 hours for full credits for the particular course. However, in case the same course is offered in the regular program, the student will not be eligible to take the same course neither to get credits nor credit transfer will happen in the Honors program.
- It is recommended that each course has 3(minimum of 40 hours) credits in case of theory and 1 credit for lab course (Virtual labs for Lab courses and Swayam for theory courses has to be encouraged).
- Minimum of 7 grade point is to be as CGPA should be obtained over the selected **18 to 20** credits.

Note: Any backlog, whether in regular course or selected **18 to 20** credits will make the candidate ineligible for honors degree.

B.E. with Honors degree from AY-2023-24

S.No	Program Admitted to	Eligibility for B.E. with Honors Degree
1.	Computer Science and Engineering	Computer Science and Engineering
2.	Electronics and Communication Engineering	Electronics and Communication Engineering
3.	Electrical and Electronics Engineering	Electrical and Electronics Engineering
4.	Information Technology	Information Technology
5.	Computer Engineering	Computer Engineering
6.	Artificial Intelligence and Data Science	Artificial Intelligence and Data Science
7.	Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning

XVII. MALPRACTICE AND AWARD OF PUNISHMENT

S.No	Malpractice	Award of Maximum Punishment
1.	Possession of the prohibited (written or printed) papers, books, notes during the examination period but which were not used.	Shall be debarred from appearing at the subsequent papers of the examination apart from cancelling the result of the examination in which she had indulged in malpractice.
2.	Matter relevant to the examination being written on any part of the body or on the clothes worn, or in the instruments, wrappings, etc.	do-
3.	Attempting to take help from any prohibited papers, notes, written or printed matter, writings on the walls, furniture and attempting to take help from or giving help to other regarding answer to any question or questions of the examination paper.	do-
4.	Taking help from or consulting of prohibited written or printed material; consulting and/or taking help from or helping other examinee during the examination period inside the examination hall	do-

	or outside it; with or without their consent, or helping other candidate to receive help from anyone else.	
5	An examinee who attempts to disclose his/her identity to the paper valuer by writing his/her roll number at a place other than the place prescribed for it, or by writing his/her name or any coded message or an examinee who makes an appeal to the paper valuer in the answer book	Cancelling the result of that paper
6	Writing such as invocation of GOD's name in any form.	To be ignored
7	Writing on the question paper or other papers; the answer to questions, rough work, etc., with no intention of passing it on to another examinee.	warned not to do so
8	Using abusive and obscene language in the answer book.	Cancellation of the result of that paper
9	Examinee allowing or destroying prohibited material found in his Possession or acting in any other manner with a view to destroy evidence.	Cancellation of the result of all Examinations taken or proposed to be taken during that session and prohibiting his/her admission to or continuation in any course of the University for a period of one year
10	Refusing to obey instructions of the Chief Superintendent /Invigilator	Cancelling the result of that paper
11	Smuggling an answer book / additional answer book/matter into or out of the examination hall.	Cancellation of the result of all examinations taken or proposed to be taken during that session and prohibiting his / her admission to or continuation in any course of the Institution for a period of the year.

12	Inserting in or removing from	-do-
13	Substituting wholly or partly an answer book / additional answer book.	
14	Impersonation even at a single examination.	To be dealt with as per law
15	Cases of examinees when conspiring to interchange in Roll Nos.	Cancellation of the result of all examinations taken or proposed to be taken during that session and Prohibiting their Admission or constitution in any course of the University for a period of one year
16	Creation of disturbance or otherwise misbehaving in and around the examination hall during or before the examination	Cancelling the results of all examinations taken or proposed to be taken during that session and prohibiting admission into or continuation in any course of study for a period of two years.
17	Guilty of assaulting/abusing intimidating any person connected with the examination work any time before, during or after the examination	Cancelling the result of all examinations taken or proposed to be taken during that session and the next session and prohibiting admission into or continuation in any course for a period of two years.
18	Punishments for malpractices not defined here would be recommended on the merits of the individual cases by the Malpractices committee.	

XVIII. RULES OF CONDUCT OF STUDENTS

- The college premises and buildings shall be kept clean; writing and sticking posters and notices on the building walls is strictly prohibited.
- Students are not permitted to resort to strikes and demonstrations within the college. Participation in any such activity shall automatically result in their dismissal from the college.

- No student unions, except professional associations, are permitted in the college.
- Any student responsible for bringing outsiders into the college campus for settling student disputes will be expelled from the college.
- The students may go on Industrial Tours on their own expense. The college will not defray any expenses of the tour.
- The students are expected to be regular in their class work and should conduct themselves in a disciplined manner. They should abide by such rules of discipline and conduct as stipulated by the college from time to time.
- Fees must be paid in one installment within two weeks of 1st Semester in the College.
- The principal of the college is the final authority as regards the discipline in the institution and has full powers to suspend, fine, rusticate and take any other action, which is deemed necessary.
- The conduct of the students should be exemplary, not only within the premises of the college but also outside.
- The students are informed that they should furnish the latest addresses of their parents/guardians in the Principal's Office. Any change of address of the parents/guardian should also be informed immediately, in the college office.
- Ragging is prohibited. Any student participating in ragging is liable to be summarily expelled from the college without any enquiry. Ragging on campus and off campus is strictly prohibited and it is a cognizable offence. The college has constituted Anti-Ragging Committee, vigilance teams, anti-ragging squads involving the police officers, senior faculty, etc., as per the Act.

REVISION OF REGULATIONS AND CURRICULUM

The curriculum and syllabi under this regulation will be for Two years. However, the Academic Council of the College reserves the right to revise or change or amend the regulations, the scheme of examinations, the curriculum and the syllabi from time to time if found necessary.

“Educationists should build the capacities of the spirit of inquiry, creativity, entrepreneurial and moral leadership among students and become their role model”.

Abdul Kalam