

INDEX

Contents	Page No
Vision, Mission & Quality Policy	2
About the Institution	3
Governing Body Members	5
I. Preliminary Definitions and Nomenclature	6
II. Admission Procedure	8
III. Programme Structure, Programme of Study and Duration	9
IV. Registration of Courses	11
V. Rules and Regulations of Attendance	12
VI. Scheme of Instruction and Examination	13
VII. Rules of Promotion	18
VIII. Grading System	18
IX. Award of Degree	19
X. Award of Gold & Silver Medal	20
XI. Improvement of Overall Score	20
XII. General Rules of Examinations	20
XIII. Transitory Regulations	21
XIV. Range of Credits	21
XV. Malpractice and Award of Punishment	22
XVI. Rules of Conduct for Students	25
XVII. Academic Regulations for B.E. (Lateral Entry Scheme) with effect from A. Y. 2022-23	25
XVIII. Course Structure	27
XIX. Second Year Syllabus (1 st and 2 nd Semesters)	39
XX. Almanac 2023-24	

VISION

Lords Institute of Engineering and Technology strives continuously for excellence in professional education through quality, innovation and team work and to emerge as a premier institute in the state and across the nation.

MISSION

- To impart quality professional education that meets the needs of present and emerging technological world.
- To strive for student achievement and success, preparing them for life, career and leadership.
- To provide scholarly & vibrant learning that enables faculty, staff and students to achieve personal and professional growth.
- To contribute to the advancement of knowledge in both fundamental and applied areas of Engineering & Technology.
- To forge mutually beneficial relationships with Government Organizations, Industries, Society and the Alumni.

QUALITY POLICY

LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY imparts quality education by practicing a system of quality assurance that enables continued improvement in the teaching-learning practices and enhances student skills and talents.

About the College:

Lords Institute of Engineering and Technology (Autonomous), Hyderabad was established in 2003 by Lords Educational Society (LES) and affiliated to Osmania University, Hyderabad. The institution is considered to be among the Top Muslim Minority Engineering Colleges in the Country with the below credentials:

- It is the Muslim Minority Engineering Institution in the Telugu states (Telangana and Andhra Pradesh) which is conferred with autonomous status by the *University Grants Commission (UGC)*, New Delhi and granted autonomy by *Osmania University*, Hyderabad, for all the programs for a period of 10 years with effect from Academic Year 2021-22.
- It is the only Muslim Minority Institution in the state accredited by the *National Board of Accreditation (NBA)* in March 2020, February 2018 and 2012 for all the eligible B.E. Programmes.
- It is also the only Muslim Minority Engineering Institution accredited by the *National Assessment and Accreditation Council (NAAC)* with a CGPA of 3.02 on a four scale at 'A' grade valid for five years till 2026.
- Civil Engineering Laboratories are accredited by *National Accreditation Board for Testing and Calibration Laboratories (NABL)* valid for three years till 2024 for offering Industrial Consultancy services.
- *GHMC* has extended its contract with the Institution for the fourth consecutive year as third party quality control agency as well as consultancy services.
- Recognized as 'Host Institution' for Technology Business Incubator (TBI) by *Ministry of Micro, Small and Medium Enterprises (MSME)*, Government of India.
- Recognized by the Ministry of Education Innovation Council in *ATAL Ranking of Institutions on Innovation Achievement (ARIIA 2022)* as band "PERFORMER"
- Selected by Ministry of Education, Government of India to adopt five villages under the scheme *Unnat Bharat Abhiyan (UBA)* in association with IIT Delhi.
- All India Council for Technical Education (AICTE) has granted the funds under the schemes for Promoting Interests, Creativity & Ethics among Students (SPICES) and AICTE Training and Learning (ATAL).
- Lords International Centre got recognized as Nodal Centre for International English Language Testing System (IELTS) by IDP Australia.
- Signed Memorandum of Understanding (MOU) with Lincoln University College, Malaysia for research collaboration, Ph. D and Post-Doc opportunities.
- Alumni got featured in Forbes 30 under 30 Asia and India categories.
- Student won Medals and Prizes in Sports at State and National level.
- Highest intake in B.E. courses among all the Muslim Minority Institutions.

From humble beginning in 2003 with an intake of 180 students in CSE, EEE and ECE, now the intake has increased to 1080 in 2021. In Under Graduate B.E. Programmes viz., Computer Science (CS), Civil Engineering (CE), Electrical and Electronics Engineering (EEE) Communication Engineering (ECE), Mechanical Engineering (ME), Information Technology (IT), Computer Science and Engineering (CSE), CSE (Artificial Intelligence and Machine Learning) & CSE (Data Science); In Post Graduate M.E. / M.Tech Programmes we have total intake of 210 in Computer Science and Engineering, Structural Engineering, Construction Management and MBA. At present, about 3000+ students are pursuing various programs including B.E., M.E., M.Tech and MBA. The student body is having representation from different states of India and about 15+ Nationalities. In the past 19 years, over 9000+ students have graduated from the college and are well settled in their respective careers.

Our efforts have been acknowledged by the Industry and various Ranking Agencies. The Institution is ranked 109th across India, 66th in South India and 18th in Hyderabad among all the Private Engineering Colleges by 'The Week Magazine' in August 2022 edition. 'Times of India', has also awarded us 21st rank among top 25 Private Engineering Colleges in Telangana and 176th rank in all India in July 2021 edition. In addition to this media houses such as 'Outlook' ranked 8th in Hyderabad & 112th in India in 2019 edition, 'Dataquest', 'Lokmat', 'Competition Success Review', have also ranked us among Best Engineering Colleges of Hyderabad in past.

The institution hosts one of the biggest libraries in twin cities of Telangana with seating capacity of more than 400 students, Total volumes of 48305 and Total Titles 16745, E-Journals 25900 and Print Journals 135. Computer Centre is used by Government Agencies and Top Corporate Companies to conduct various competitive exams and entrance tests such as IIT-JEE, NEET, GATE, TS-EAMCET, TS-ECET, TS-ICET, TS-PGECET, APPSC, Bank POs, RRB, CAT, etc.

Multimedia Studio was established during the pandemic situation to help students with video lectures by faculty members for those facing problems in accessing the online live classes. Repository is maintained across all digital platforms including official YouTube channel and social media. Students have developed gadgets to tackle COVID-19 such as Drone Sanitizer, Mist sterilizer, Currency Disinfectant, Low-Cost Oxygen Concentrator which got national recognition and companies like Eureka Forbes signed Non-Disclosure Agreement for Technology Transfer. Faculty awarded with Patent Grant after successful hearing by the Patent Authority, Government of India.

GOVERNING BODY:

S.No.	Name	Designation	Category
1.	Mr. CA Basha Mohiuddin	Chairman, Lords Educational Society	Chairman
2.	Mrs. Rizwana Begum	Secretary, Lords Educational Society	Member
3.	Mr. Syed Touseef Ahmed	Vice Chairman, Lords Educational Society	Member
4.	Mr. Syed Tanvir Ahmed	Treasurer, Lords Educational Society	Member
5.	Mrs. Sana Syeeda	Joint Secretary, Lords Educational Society	Member
6.	Prof. Narsimhulu Sanke	Professor of Mechanical Engineering, Osmania University, Hyderabad	Member –University Nominee
7.	Mr. G. Giri Babu	Deputy Director (Tech-1), Commissionerate of Technical Education (CTE), Government of Telangana	Member – State Government Nominee
8.	Dr. R. N. Yadav	Professor of ECE, Moulana Azad National Institute of Technology, Bhopal	Member – UGC Nominee
9.	Dr. Shakeel Ahmed	Joint Secretary, UGC	Member – Eminent Educationist
10.	Dr. T. K. Shaik Shavali	Professor of CSE, LIET	Member –Teacher
11.	Dr. Syed Nawazish Mehdi	Professor of Mechanical Engineering, LIET	Member –Teacher
12.	Dr. Ravi Kishore Singh	Principal (Ex-Officio)	Member Secretary

LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
(UGC Autonomous Institution)

ACADEMIC REGULATIONS

For the Four-Year Degree Programme in Engineering
(With effect from the Academic Year 2023-24)

I. Preliminary Definitions and Nomenclature

S. No	Keywords	Definition
1	Academic Year	Two consecutive (one odd & one even) semesters constitute one Academic year.
2	Choice Based Credit System (CBCS)	The CBCS provides choice for students to select from the prescribed Courses (Core, Professional, Open Electives and Skill Development Courses).
3	Programme	An Educational Programme leading to the Award of a Degree.
4	Semester	Each Semester consists of 16 weeks of Academic work equivalent to 90 actual teaching days. In general, the odd semester is scheduled from July to December and even semester from January to June.
5	Discipline	It is the branch or specialization of B.E. Degree program, such as AI&ML, CE, CSE, CSE (AI&ML), CSE (DS),ECE, EEE, IT & ME
6	Admission Procedure	As Prescribed AICTE and Government of by Telangana, India.
7	Course	Usually referred to, as “papers/ subjects” is a component of program. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed comprising of Lectures/Tutorial/Practical/ Laboratory work/ Mini Project/ Project Work /Seminars /Exams/ Viva/ Assignments /Presentations/ Internship/ Skill Development Activity etc. or a combination of some of these. The medium of instruction, examinations and project report will be in English.
8	Credit Based Semester System (CBSS)	Under the CBSS, the requirement for awarding a degree certificate is prescribed in terms of number of credits to be obtained by the student- A unit by which the course work is measured. It determines the number of hours of instructions required per week as per AICTE Model Curriculum i.e., one credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of Practical work/ Field work per week.
9.	Grading	To be normally done using Letter Grades as qualitative measure of achievement in each Course like: S (Outstanding), A (Excellent), B (Very Good), C (Good), D(Average), E (Pass) and F (Fail) based on the marks (%) scored in (CIE+SEE) of the course and converted to grade by relative / absolute grading.

10.	Grade Point (GP)	It is a numerical weight allotted to each letter grade on a 10-point scale.
11.	Credit Point	It is the product of grade point and number of credits for a course.
12.	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 theory and lab courses / field works / projects / skill development courses offered in that particular semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
13.	Cumulative Grade Point Average (CGPA)	It is a measure of overall cumulative performance, of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses that are evaluated till that semester and the sum of the total credits of all courses in all the semesters that have been evaluated till that semester of the program. It is expressed up to two decimal places.
14.	Transcript or Grade Card or Certificate	Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, credits & grade secured) along with SGPA of that semester and CGPA earned till that semester.
15.	Course Load	Every student should register for a set of courses in each semester, with the total number of credits specified by considering the permissible weekly contact hours.
16.	Course Registration	Every student to formally register in each Semester for courses (credits) on the advice of the faculty.
17.	Course Evaluation	Continuous Internal Evaluation (CIE) & Semester End Examination (SEE) constitutes the main assessment prescribed for each course in the Semester.
18.	Continuous Internal Evaluation (CIE)	To be normally conducted by the course instructor which includes descriptive test, surprise test / quizzes / MCQ's / fill in the blanks / assignments / field work / exclusive talk /real time project / mini- projects & seminars, group discussions, any other activity specified by respective teacher either weekly or during mid-term and anytime throughout the semester, with weightage for the different components being fixed at the institutional level.
19.	Semester End Examination (SEE)	To be normally conducted at the institutional level, this will cover the entire course syllabi. The syllabi are to be modularized and SEE questions to be set from each unit/module, with choice if any, to be confined to unit/module concerned only. The questions are to be based on knowledge, comprehension, analysis, synthesis and evaluation as per Blooms taxonomy.

20.	Revision of Regulations, Curriculum and Syllabi	The institution from time to time may revise, amend or change the regulations, scheme of examinations, curriculum and syllabi with the approval of the Academic Council and Board of Studies.
21.	Student	Student is a candidate who has taken admission into undergraduate program of this college, as per the guidelines stipulated from time to time by AICTE, Government of Telangana and the Affiliating university, i.e. Osmania University, Hyderabad, India.

II. Admission Procedure:

A candidate is admitted into the four-year undergraduate degree programme of Bachelor of Engineering (B.E.) for all the branches of study as per the norms prescribed by AICTE, Telangana State Council of Higher Education (TSCHE), Government of Telangana, from time to time.

Each candidate will be allotted one programme at the time of admission, strictly depending on the merit secured at the Entrance Examination and subject to the prevalent rules regarding reservations of seats.

Eligibility: Candidate must have passed the Intermediate or equivalent examination with Physics, Mathematics, Chemistry, Computer Science, Electronics, Information Technology, Biology, Informatics Practices, Biotechnology, Technical Vocational subject, Agriculture, Engineering Graphics, Business Studies, Entrepreneurship (any of the three). Obtain at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together as per guidelines of AICTE and relaxations given by Telangana Government from time to time if any.

- i. 70% of seats under Category-A (based on the rank obtained at state level entrance examination i.e. TS-EAMCET) will be filled by the Convener, TS- EAMCET.
- ii. 30% of seats under Category-B will be filled by the management as per the guidelines issued through government orders from time to time by the TSCHE, Government of Telangana. Out of 30%, 5% seats are allotted for NRI quota.
- iii. In addition to i & ii, there is a supernumerary quota of maximum 10 seats under the Prime Minister's Special Scholarship Scheme (PMSSS) for students of Union Territories including Jammu & Kashmir and Ladakh as well as 15% for Overseas Citizen of India (OCI), Foreign Nationals (FN), Children of Indian Workers in Gulf Countries as approved by AICTE from time to time.
- iv. All the leftover seats in convener quota are filled based on the guidelines given by the Convener, TS-EAMCET through spot admission procedure.
- v. **Admission to the second year of B.E. (Lateral Entry) Program:**
Students seeking admission into this category shall qualify TS-ECET conducted by the TSCHE, Government of Telangana. Admissions are on the basis of merit ranks obtained by the students.

Eligibility: Candidate must have passed minimum 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) and relaxations given by Telangana Government from time to time if any.

vi. **Spot Admission Procedure for B.E. Lateral Entry:**

Any seats left vacant after counselling by TS-ECET convener will be filled based on the guidelines given by the Convener, TS-ECET. In addition to this the vacancies in the First Year shall also be filled through spot admission procedure as per guidelines of TSCHE, Government of Telangana.

III. Programme Structure, Programme of Study and Duration:

(i) Structure of Undergraduate Engineering program:

S.No	Classification		Course Work – Subject Area
	AICTE	UGC	
1.	HSMC	Foundation Courses	Humanities and Social Sciences including English, Communication Skills, Technical Report Writing, Economics & Finance, Accountancy and other Management Courses.
2.	BSC		Basic Sciences Courses (BSC) including Mathematics, Physics and Chemistry as well as Aptitude & Reasoning
3.	ESC		Engineering Science Courses (ESC) including Engineering Workshop, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Civil / Computer Engineering and Skill Development such as programming languages, simulation tools, etc.
4.	PCC	Core Courses	Professional Core Courses are relevant to the chosen specialization / branch.
5.	PEC	Professional Electives	Professional Elective Courses are relevant to the chosen specialization / branch.
6.	OEC	Open Electives	Open Electives Courses are from other technical or emerging subject areas.
7.	PROJ	Project	Mini Project, Project work, internship, comprehensive viva-Voce, and Technical Seminar.
8.	MC	Mandatory Courses	These courses are non-credit courses with Internal and External evaluation.
9.	BC	Bridge Course	These courses are non-credit courses with internal evaluation and for lateral entry students only.
10.	SDC	Skill Development Courses	Skill Development Courses are from emerging subject areas.

(ii) Programs Offered:

The following programs of study are offered by Lords Institute of Engineering and Technology (Autonomous) for academic year 2023-24:

S.No.	Branch Code	Bachelor of Engineering	Number of Seats
1.	732	Civil Engineering	60
2.	733	Computer Science and Engineering	300
3.	734	Electrical and Electronics Engineering	30
4.	735	Electronics & Communication Engineering	120
5.	736	Mechanical Engineering	30
6.	737	Information Technology	180
7.	748	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	180
8.	750	Computer Science and Engineering (Data Science)	180
9.	753	Computer Science	60
Total Intake:			1140

(iii) Duration of study:

1. The duration of the programme is eight semesters in four years denoted as I, II, III, IV, V, VI, VII and VIII semesters, where each academic year comprises of two semesters:
 - Instruction per semester - 16 weeks.
 - Preparation holidays (includes practical exams) - 2 weeks
 - Each semester shall normally consist of 90 teaching days (including examination days). The BoS Chair / Head of the Department shall ensure that every faculty imparts instruction as per the number of hours specified in the syllabus covering the full content of the syllabus for the Course being taught
 - The number of weeks for each semester may be changed based on approval by Academic Council and Governing Body.
 - No admission / re-admission / promotion / transfer 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 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.
2. Candidate, who fails to fulfill all the requirements for the award of the degree as specified here in after within (N+4) academic years from the time of admission, will forfeit his / her seat in the programme and his / her admission will stand cancelled; where 'N' is normal or minimum duration prescribed for completion of the programme (4 years).

3. Diploma candidates admitted to the second year under lateral entry scheme shall fulfill all the requirements for the award of the degree as specified herein after within (N+3) academic years from the time of admission failing which they will forfeit their seat and their admission will stand cancelled, where 'N' is normal or minimum duration prescribed for completion of the programme (3years).
4. Lateral entry students shall also complete the bridge courses as required. The scheme and other guidelines will be intimated to the students from time to time.

IV. Registration of Courses

1. Every admitted student shall be assigned to a faculty advisor who shall guide and counsel the student about the details of the academic program, rules and regulations and the choice of courses wherever applicable considering student's academic background and career objectives.
2. Each student admitted should register for all courses prescribed in particular semester of study.
3. Every student shall confirm their enrollment for the courses of the succeeding semester at the end of the current semester. Those who fail to register can enroll at least one week before the commencement of concerned semester with valid reason. Registration of courses, such as professional and open electives by the students in each semester as prescribed by the department concerned shall be completed within the stipulated period on or before the due date. Change of professional electives and open electives will not be entertained after the due date.
4. No elective course shall be offered by department unless a minimum of **30%** students register for the course **in a division / class**. After registering for a course, student shall attend the classes, to satisfy the academic requirements for attending the semester end examinations.

V. Rules and Regulations of Attendance:

1. Candidates admitted to a particular programme of study are required to pursue a “Regular programme of study” by putting in attendance of not less than 75% in each semester before they are permitted to appear for the Semester End Examination.
 - a) In special cases and for sufficient cause shown, the Principal / Academic Council on recommendation of concerned Head of the Department may condone deficiency in attendance to the extent of 10% on medical grounds subject to submission of medical certificate and payment of Rs. 2000/- as condonation fee. Such condonation shall be availed for a maximum of 4 (four) times in the entire period of B. E. programme.
 - b) However, in respect of women candidates who seek condonation of attendance due to pregnancy, the Principal / Academic Council on recommendation of concerned Head of the Department may condone the deficiency in attendance to the extent of 15% (as against 10% condonation for others) on medical grounds subject to submission of medical certificate to this effect. Such condonation is permitted only once during the programme of study.
2. 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) However, 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 programme of study.
 - (iii) Without any prior permission, such leave shall be treated as absent.
 - (iv) While calculating the attendance, the number of classes not attended in each subject will be deleted in the denominator.
3. The attendance shall be calculated on aggregate of the courses from date of commencement of classes or date of re-admission in case of detained candidates as per the almanac.
4. In case of the candidates who fail to put in the required attendance in a programme of study, candidate 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 re-admission into the same class during the subsequent year in order to appear for examination after fulfilling the attendance requirements and on payment of the requisite tuition fee.
 - a) Candidates admitted to the first year through TS-EAMCET and who do not have the required attendance, but have more than 40% of attendance can seek re- admission without appearing for the entrance test again.
 - b) In respect of candidates of such programs where the admissions are governed through TS-EAMCET, candidates of B.E. I semester, who got less than 40% attendance would lose their seat and they will have to seek admission afresh by appearing at the entrance test again.

VI. Scheme of Instructions and Examinations:

1. The Scheme of Instruction & Evaluation for various courses in each semester shall be provided by the College at the beginning of the Semester. Also, syllabi prescribed for the branch of study shall be as approved by the Board of Studies, Academic Council and ratified by the Governing Body.
2. The distribution of marks based on **Continuous Internal Evaluation (CIE)** and the **Semester End Examination (SEE)** for B.E. programme shall be as follows:

Subject	Continuous Internal Evaluation (CIE) Marks	Semester End Examination (SEE) Marks
Each Theory subject	40	60
Each Practical or Drawing Subject for which less than 5 hours a week is provided in the scheme of instruction.	25	50
Each Practical or Drawing Subject for which 5 or more hours a week is provided in the scheme of instruction.	50	50
Skill Development Course	25	50
Internship / Technical Report Writing / Technical Seminar	50	---
Comprehensive Viva-Voce	100	---
Mini Project	50	50
Major Project	50	150
Mandatory Course (Non-Credit)	40	60

3. THEORY COURSES

3.1 Continuous Internal Evaluation (CIE):

Out of 40 marks in total, 10 marks for Surprise Test / Quizzes / MCQ's / Fill in the Blanks/Any other activity specified by respective teacher and 10 marks for Real Time Project / Field Work / Exclusive Talk / Assignment / Any other activity specified by teacher. Descriptive test will be of 20 marks, out of which 6 marks are for short answer questions (a-c) each carrying 2 marks and 14 marks are for choice based long answer questions. Average of two descriptive tests and average of minimum two Surprise Test / Quizzes / MCQ's / Fill in the Blanks (10 marks) and average of minimum two Assignments / Real Time Project / Field Work / Exclusive Talk / (10 marks) will be calculated for the total CIE (40 marks). Bloom's Taxonomy will be followed in the question paper setting.

Distribution of Continuous Internal Examination Marks					
Type	Questions	Duration in minutes	No. of Questions	Marks per Question	Total (Marks)
Descriptive	Short Answer Questions (First Question is compulsory)	60	1	6	6
	Long Answer Questions (2 out of 3)		2	7	14
Surprise Test / Quizzes / MCQ's / Fill in the Blanks / Any other activity specified by Respective Teacher					10
Real Time Project / Field Work / Exclusive Talk / Assignment /Any other activity specified by Respective Teacher					10
Grand Total					40

Semester End Exam (SEE):

1. The Semester End Examination will be conducted for 60 marks, duration of three hours. The question paper for SEE will have seven (7) questions out of which the candidate has to answer five (5) questions where each question carries 12 marks.
2. The first question is compulsory which consists of six (6) short questions covering the entire syllabus and each question (a-f) carries 2 marks.
3. The remaining six questions (2-7) cover the entire syllabus and the candidate can answer any four questions.

Distribution of Continuous Internal Examination Marks					
Type	Questions	Duration in minutes	No. of Questions	Marks per Question	Total (Marks)
Descriptive	Short Answer Questions (First Question is compulsory)	180	1	12	12
	Long Answer Questions (4 out of 6)		4	12	48
Grand Total					60

4. PRACTICAL COURSES:

4.1. Continuous Internal Evaluation (CIE):

CIE shall be conducted for 25/50 marks out of which 15/30 marks for day- to-day performance including attendance, timely submission of lab observations & records, viva-voce, 10/20 marks for internal lab exam and viva-voce.

4.2 Semester End Examination (SEE):

SEE shall be conducted for 50 marks out of which 10 marks are allocated for write up (design / procedure / schematic diagram) of the given experiment, 20 marks for conduction of experiment, 10 marks for results and 10 marks for viva-voce with a duration of 3 hours.

The external examiner will be appointed by the Principal / Chief Controller of Exams of the college, from any outside college among the autonomous / reputed institutions from a panel of three examiners submitted by the concerned Head of the Department / BOS Chairperson.

5. INTERNSHIP

The student shall undergo four weeks internship during summer vacation after IV semester to gain practical experience in industrial environment, exposure to current technological developments and improve his / her Interpersonal Skills. It also provides opportunities to learn understand and sharpen real time technical / managerial skills required at the job; where the evaluation will be done in the V Semester.

Internship has to be done at Industry / Corporate Sector / Government / Non-Government / Research Institutions / MSMEs / Startups / Entrepreneurship Incubator Units, etc.

Internship will be evaluated for 50 marks as CIE based on Punctuality in Attendance (10), Maintenance of Diary on daily work done (20), seminar presentation / viva voce followed by a report submission (20) to a committee consisting of Head of the Department, Senior Faculty and Faculty Advisor/ Supervisor for evaluation.

6. MINI-PROJECT

There shall be a Mini Project, which the student shall carryout after the V semester examinations the evaluation of which shall be done in sixth semester for a maximum of 100 marks out of which 50 marks each for CIE and SEE respectively. Evaluation will be done as per the below criteria:

CIE Evaluation:

50 marks are evaluated based on below criteria:

- i. Literature Review (10)
- ii. Innovation / Originality (10)
- iii. Methodology / Relevance / Practical Application (10)
- iv. Seminar Presentation followed by report (20)

A committee consisting of Supervisor, Senior Faculty and Head of the Department shall review and evaluate the CIE based on the above criteria.

6.2 SEE Evaluation:

50 Marks are evaluated based on the below criteria:

- a. Overall Subject Knowledge (15)
- b. Viva-voce Examination (15)
- c. Demonstration and Verification of Results (20)

However, the criteria may change as per the “committee” whenever required.

Student should appear for SEE with Mini-Project Report.

A ‘committee’ consisting of External Examiner, Supervisor and Head of the Department shall review and evaluate the SEE based on the above criteria.

7. MAJOR PROJECT

There shall be a Major Project, which the student shall carryout during the eighth semester. The evaluation shall be done for a maximum of 200 marks out of which 50 marks for CIE and 150 marks for SEE. Evaluation will be done as per the following criteria:

7.1. CIE Evaluation:

50 marks are evaluated based on below criteria:

- i. Literature Review (10)
- ii. Innovation / Originality (10)
- iii. Methodology / Relevance / Practical Application (10)
- iv. Seminar Presentation followed by report (20)

A committee consisting of Supervisor, Senior Faculty and Head of the Department shall review and evaluate the CIE based on the above criteria.

7.2. SEE Evaluation:

150 Marks are evaluated based on below criteria:

- a. Overall Subject Knowledge (40)
- b. Viva-voce Examination (40)
- c. Demonstration and Verification of Results (70)

However, the criteria may change as per the ‘committee’ whenever required. Student should appear for SEE with Major-Project Report.

A “committee” consisting of External Examiner, Supervisor and Head of the Department shall review and evaluate the SEE based on the above criteria.

- Note:** (i) A course that has CIE, but no SEE as per scheme will be treated as Pass if the candidate obtains at least 40% marks in CIE.
- (ii) Candidates can choose an online course from MOOC’s to improve their obtained score / credits / grade, provided the syllabus is at least 70% similar to the particular subject by taking approval of respective BOS chairperson. If the MOOC’s score / credits / grade is higher than the already obtained score, then it will be considered.
- (iii) The candidates should preferably complete any online courses through SWAYAM / NPTEL before VII-Semester in view of backlog problem.
- (iv) The details of instruction period, examination schedule, vacation etc., shall be notified by the College Academic Council.
- (v) The medium of instruction and examination shall be English.

- (vi) At the end of each semester, SEE shall be held as prescribed in the respective Schemes of Examination. Examinations pertaining to SEE are called main examinations and examinations pertaining to the other semesters will be called supplementary / backlogs examinations.
- (vii) To enable the B.E. Final Year students to complete the programme requirements in time, there shall be a Backlog / Supplementary Exam for VIII and all the previous semesters, which will be scheduled within one month of publication of VIII semester results.
- (viii) The examinations prescribed may be conducted by means of written papers, practical and oral tests, inspection of certified sessional work in Drawing, Laboratories and Workshop or by means of any combination of these methods as may be deemed necessary.
- (ix) Candidates will be required to produce complete Lab Records of the Practical work done by them in each practical examination, along with other materials prepared or collected as part of Laboratory work/ Project.
- (x) A candidate shall be deemed to have fully passed a Theory course, if the candidate secures a minimum of 40% in SEE and total of 40% in CIE & SEE together, and in Practical / Laboratory / Projects etc., candidate has to secure 50% in SEE and total of 50% in CIE & SEE together.

Minimum pass marks / grade in the Semester End Examinations and CIE shall be as below:

Each Theory Course	40%	E-Grade
Each Practical Course/Drawing Course/Project Work	50%	D-Grade

- (xi) 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.
- (xii) If a candidate in any semester examination of the programme fails to secure the minimum marks / grade in any course, then the candidate should appear only in the failed subject of the semester.
- (xiii) If a candidate desires to have recounting, revaluation and challenge evaluation, then candidate can apply for it as per the notification of the Examination Branch, LIET.
- (xiv) WITH-HOLDING OF RESULTS:
 - a. If a candidate has found with any indiscipline / malpractice in examinations, the candidate results shall be withheld.
 - b. The issue of the award of the provisional certificate and the B.E. degree is liable to be withheld in such cases.

VII. Rules of Promotion:

The following rules are applicable to the students who are taking admission into first year of B.E. programme with effective from Academic Year 2023-24:

S. No.	Semester/ Class	Conditions to be fulfilled
1.	From I-Semester to II-Semester	<ul style="list-style-type: none">Regular course of study of I- Semester
2.	From II-Semester to III-Semester	<ul style="list-style-type: none">Regular course of study of II- Semester.Must have secured at least 40% of total credits prescribed for I and II Semesters together
3.	From III-Semester to IV-Semester	<ul style="list-style-type: none">Regular course of study of III- Semester.
4.	From IV-Semester to V-Semester	<ul style="list-style-type: none">Regular course of study of IV- Semester.Must have secured at least 40% of Total credits prescribed for I, II, III and IV Semesters put together.
5.	From V-Semester to VI-Semester	<ul style="list-style-type: none">Regular course of study V- Semester.
6.	From VI- Semester to VII- Semester	<ul style="list-style-type: none">Regular course of study of VI- Semester.Must have secured at least 40% of total credits prescribed for I, II, III, IV, V and VI Semesters put together
7.	From VII-Semester to VIII-Semester	<ul style="list-style-type: none">Regular course of study of VII Semester.
8.	Eligibility to appear VIII- Semester Examinations.	<ul style="list-style-type: none">Regular Semester

Note:

1. In case the candidate does not fulfill the requirement as per the above-mentioned table then the candidate will be detained.
2. The candidate who wishes to take re-admission into the year in which he/ she are detained have to pay the total tuition fee of that year and all the credits earned during that year shall become null and void.

VIII. Grading system:

1. Candidates who have passed all the examinations of the B.E. Degree Programme shall be awarded CGPA in accordance with the grade secured by them in all eight semesters taken together, including the CIE marks secured in those semesters.
2. The grade secured shall be shown in the memorandum of marks as per the cumulative performance in SEE and CIE as per the course structure.
Grades are allotted based on the marks secured in SEE and CIE as per the following criteria:

Academic Performance	Letter Grade	Grade points
90% ≤ Marks ≤ 100%	S	10
80% ≤ Marks < 90%	A	9
70% ≤ Marks < 80%	B	8
60% ≤ Marks < 70%	C	7
50% ≤ Marks < 60%	D	6
40% ≤ Marks < 50%	E	5
Marks < 40% (Theory Courses)	F	0
Marks < 50% (Practical Courses)	F	0

3. SEMESTER GRADE POINT AVERAGE (SGPA) & CUMULATIVE GRADE POINT AVERAGE (CGPA) Calculation:

a) $SGPA = \frac{\sum \text{Letter Grade Point} \times \text{Credits}}{\sum \text{Credits}}$

SGPA is calculated upto second decimal point and it is calculated only when all subjects in that semester are Cleared / Passed.

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

Where “j” is the semester indicator index (all subjects from first to eight semester).

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.

c) Courses in which the candidate has failed are not included in computing SGPA / CGPA.

IX. Award of Degree:

A student shall be declared to be eligible for the award of B.E., provided the student has successfully gained the required number of total credits and other requirements as specified in the curriculum corresponding to the student’s programme within the stipulated time.

Award of Division:

CGPA	DIVISION
7.5 and above	First Class with distinction
6.5 and less than 7.5	First Class
5.5 and less than 6.5	Second Class
4.0 and less than 5.5	Pass
Less than 4.0	Fail

X. Award of Gold & Silver Medal:

- (i) Students securing highest CGPA at institution level in a **single attempt** are eligible for award of Gold Medal.
- (ii) Students securing first highest and second highest CGPA at each program/ department/ branch level in a **single attempt** are eligible for award of Gold and Silver Medals respectively.
- (iii) Students appearing in Supplementary Exams are not eligible.
- (iv) A re-admitted student is not eligible for any Medal.

XI. Improvement of Overall Score:

- a. A candidate who wishes to improve his/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 semesters (all subjects pertaining to the semester taken together) examinations.
- b. For the award of the overall score, candidate will have the benefit of the higher of the two aggregates of marks/ grade secured in the corresponding semester(s).

XII. General Rules of Examinations:

1. Application for permission to appear in any examination shall be made available in the Examination Branch of LIET.
2. When a candidate's application is found in order and eligible to appear in SEE, the Controller of Examination shall furnish with a hall-ticket affixing the photograph, enabling the candidate to appear in the SEE. The hall-ticket should be produced by the candidate before admitted to the premises where the examination is likely to be held.
3. A candidate who does not present for examination for any reason whatsoever, except shortage of attendance, shall not be entitled to claim refund of the whole or part of the examination fee, for subsequent examination(s).
4. A candidate after being declared successful in all examinations, shall be given a provisional certificate stating the year of examination, the branch in which candidate was examined and the overall grade secured. However, the candidate has to obtain degree certificate (convocation) from Osmania University.
5. No candidate shall be allowed to write two exams simultaneously at any circumstance.
6. Candidates, who have appeared once in any examination of the programme, need not put in fresh attendance, if they wish to re-appear at the corresponding examination, notwithstanding the fact that the college may have introduced new courses. They will, however, have to appear in the examination according to the scheme of instructions of any syllabi in force.
7. Procedures and the conduction of Exams will be as per Osmania University.

XIII. Transitory Regulations:

Whenever, course or scheme of instruction is revised or modified in a particular year, four examinations immediately following thereafter, shall be conducted according to the old syllabi / regulations. Candidates not appearing for examinations or failed shall take the examination subsequently according to the revised syllabus/ equivalent subjects/ regulations.

XIV. Range of Credits:

- a. Candidate has to secure 160 credits for the award of B.E. Degree. Candidate will be eligible to get the Undergraduate Degree with 'Honors' or 'Additional Minor Engineering', if candidate secures 20 credits in addition to 160 credits (subject to approval of Osmania University). These could be acquired through MOOCs approved by BOS.

Honors: In addition to their primary Program B.E., an Engineering Student has the opportunity to award with 'Honors' Degree.

Award of an 'Honors' Degree is subject to the following conditions:

- (i) The student must have earned at least twenty (20) relevant and approved additional Credits.
- (ii) Earning of these additional credits shall be through MOOCs/ NPTEL/ any other on-line Courses, which are approved by the respective BOS.
- (iii) The list of courses is subject to the approval of respective BOS.
- (iv) These additional twenty (20) Credit Courses shall not be part of the regular Curriculum.
- (v) A candidate must ensure to earn the required Credits for the award of respective 'Honors' Degree, before the completion of the regular Course.
- (vi) It is the candidate's responsibility for registering the Courses through ONLINE and the required Registration Fee shall be borne by the respective student

Additional Minor Engineering: In addition to their primary program B.E., an engineering student has the opportunity to study one 'Additional Minor Engineering' in any areas listed as per AICTE handbook and Model Curriculum. 'Additional Minor Engineering' allows a candidate to gain inter-disciplinary experience and exposure to concepts and perspectives which may not be a part of their regular Degree Program, thus widening their understanding of the Engineering Profession. Upon completion of an 'Additional Minor Engineering', a candidate shall be better equipped to perform inter-disciplinary research.

Award of an 'Additional Minor Engineering' Degree is subject to the following conditions:

- (i) The candidate must earn at least twenty (20) additional Credits.
- (ii) Earning of these additional credits shall be through MOOCs / NPTEL / any other on-line Courses, which are approved by the respective BOS.
- (iii) The list of Courses is subject to the approval of respective BOS.

- (iv) These additional twenty (20) Credit Courses shall not be part of the regular Curriculum.
- (v) A candidate must ensure that candidate shall earn the required Credits for the award of respective 'Additional Minor Engineering' Degree, before completion of regular course.
- (vi) It is the candidate's responsibility for registering the courses through ONLINE and the required Registration fee shall be borne by the respective candidate.

b. MOOC is a free web-based distance learning programme that is designed for participation of large number of geographically dispersed candidates. MOOC may be patterned at department level of each college. The MOOC list will be provided by the Chairperson, Board of Studies of the concerned department for each semester, beyond semester-II.

Other Information:

- i. Candidates shall obtain prior approval(s) from their BOS Chairperson/ Principal before opting for 'Additional Minor Engineering' or 'Honors'.
- ii. A candidate is eligible to opt either for 'Honors' or 'Additional Minor Engineering'.
- iii. A candidate is not eligible to opt for both the above-mentioned Degrees.
- iv. The award of Honors or Additional Minor Engineering is subject to the rules and regulations of Osmania University that are updated from time to time.

v.

Guidelines/Modalities for Evaluating the MOOC's courses to Award B.E (Honors Degree) / B.E Additional Minor Engineering Degree

As per the approved LR21 Regulations, vide item No.14 a & b, the following guidelines are framed in order to award B.E (Honors/Additional Minor Engineering) degree.

- Only those students who have cleared I and II Semesters without any backlogs are eligible to register for MOOCs Online Courses.
- Students who can secure 20 additional credits through MOOCs during his course of study in addition to 160 credits are eligible for the award of B.E Honors Degree or Additional Minor Engineering Degree.
- The additional 20 credits should be attained by the students from the list of courses approved by Concerned BOS.
- Student can choose any of the courses approved by the respective BoS. Student has to register the courses with the approval of concern BoS.
- Following are the details of the proposed credits & grading pattern for awarding the MOOCs (NPTEL or equivalent recognized Online Courses).

S.No	Duration	Credits	Marks %	Grade	GPA
1.	12 Weeks or Above	4	$90\% \leq \text{Marks} \leq 100\%$	S	10
2.			$80\% \leq \text{Marks} < 90\%$	A	09
3.			$70\% \leq \text{Marks} < 80\%$	B	08
4.	8 Weeks or Above	3	$90\% \leq \text{Marks} \leq 100\%$	S	10
5.			$80\% \leq \text{Marks} < 90\%$	A	09
6.			$70\% \leq \text{Marks} < 80\%$	B	08
7.	6 Weeks or Above	2	$90\% \leq \text{Marks} \leq 100\%$	S	10
8.			$80\% \leq \text{Marks} < 90\%$	A	09
9.			$70\% \leq \text{Marks} < 80\%$	B	08
10.	4 Weeks or Above	1	$90\% \leq \text{Marks} \leq 100\%$	S	10
11.			$80\% \leq \text{Marks} < 90\%$	A	09
12.			$70\% \leq \text{Marks} < 80\%$	B	08

- If any student fails to clear MOOCs course then he/ she needs to clear during next time when it is offered. Otherwise the degree will not be awarded.
- If the particular course is not offered in MOOCS netx time, the equivalent course may be approved by the BoS Chairman with atleast 80% of the syllabus is matching with any other subject/ or any other equivalent subject as listed by the department.
- After completion of the course, student should give a presentation and submit the MOOCs certificate to the committee consisting of BoS Chairman and two Senior faculty members of the concern departments.
- Then the BoS Chairman should forwarded MOOCS Certificate along with recommendations in a prescribed format to the Controller of Examinations.
- It is the Student's responsibility for registering the Courses through ONLINE/ OFFLINE and the required Registration Fee shall be borne by the respective Student.
- Student shall be permitted to take **a maximum of 2 theory courses / courses equivalent to 6 credits during any semester for additional learning** towards Additional Minor Engineering curriculum.
- By the end of April of every academic year, respective departments will notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed in the Curricula of Additional Minor Engineering programme(s) offered by their departments.
- Department can propose a new course(s) if any of the listed equivalent course(s) are not available in MOOCs.

XV. Malpractice and Award of Punishment:

S.No	Malpractice	Maximum Punishments
1.	Possession of the prohibited (written or printed) papers, books, notes during the examination period, which were used.	Shall be debarred from appearing at the subsequent papers of the examination apart from cancelling the result of the examination in which He/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 or outside it; with or without his or her consent, or helping other candidate to receive help from anyone else.	-do-
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 examiner, 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., without any intention of passing it on to another examinee.	To be 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 University for a period of the year.
12.	Inserting in or removing from the answer book/additional answer book of any sheet.	-do-
13.	Substituting wholly or partly an answer book/additional answer book.	-do-
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.	

XVI. Rules of Conduct for 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 full within two weeks of 1st semester in the college.
- The Principal of the college is the final authority regarding the discipline in the institution and has full power 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.

XVII. Academic Regulations for B.E. (Lateral Entry Scheme) with effect from A. Y. 2022-23:

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

1. The Lateral Entry students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years.
2. The student shall register for 122 credits and secure 122 credits from II year to IV- year B.E. programme (LES) for the award of B.E. degree.
3. The students, who fail to fulfill the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.E.
4. The attendance requirements of B.E. (Regular) shall be applicable to B.E. (LES).

Promotion Rules:

S. No.	Semester/ Class	Conditions to be fulfilled
1.	From III-Semester to IV-Semester	<ul style="list-style-type: none">• Regular course of study of III- Semester.
2.	From IV-Semester to V-Semester	<ul style="list-style-type: none">• Regular course of study of IV- Semester.• Must have secured at least 40% of Total credits prescribed for I, II, III and IV Semesters put together.
3.	From V-Semester to VI-Semester	<ul style="list-style-type: none">• Regular course of study V- Semester.
4.	From VI- Semester to VII- Semester	<ul style="list-style-type: none">• Regular course of study of VI- Semester.• Must have secured at least 40% of• total credits prescribed for I, II, III, IV, V and VI Semesters put together
5.	From VII-Semester to VIII-Semester	<ul style="list-style-type: none">• Regular course of study of VII Semester.
6.	Eligibility to appear VIII- Semester Examinations.	<ul style="list-style-type: none">• Regular Semester

Note:

- All the other regulations as applicable to B.E. 4-year degree course (Regular) will hold good for B.E. (Lateral Entry Scheme).
- These regulations can be modified from time to time retrospectively and prospectively based on approval of Academic Council or Governing Body.
- All the rules and regulations, specified herein after shall be read as whole for the purpose of interpretation.
- As per the requirements of the Statutory Bodies, Principal, Lords Institute of Engineering and Technology (Autonomous), shall be the Chairman of the College Academic Council.
- Whenever a doubt arises in the interpretation of these rules and regulations, the interpretation of the Chairman, Academic Council, Lords Institute of Engineering and Technology (Autonomous) is final.