LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

Lakireddy Bali Reddy College of Engineering is promoted and established in the year 1998 by Lakireddy Bali Reddy Charitable Trust whose architect is Sri Lakireddy Bali Reddy garu ably supported by his brother Lakireddy Jaya Prakash Reddy garu with intense desire to provide world class educational opportunities in Science, Engineering, Technology and Management to the students of this region and elsewhere. The institution over a period of time has undergone huge transformation quantitatively and qualitatively. Now the institution offers 8 B.Tech programmes in CSE, IT, ECE, EEE, ME, CE, ASE & EIE, 5 M.Tech programmes in Computer Science and Engineering, Thermal Engineering, Software Engineering, Power Electronics and Drives & Systems and Signal Processing, M.B.A and M.C.A programmes. The state-of-the art laboratories, workshops, computer centers, seminar halls, lecture halls, drawing halls for all the departments and a world class library are provided in the college. A well qualified and experienced faculty guide the students in all theoretical and practical aspects of all courses. The institution is AUTONOMOUS as approved by UGC, New Delhi, accredited by NAAC & NBA and is ISO:2001-2008 certified. The institution is located at Mylavaram in Krishna District and 40 KM away from Vijayawada on Bhadrachalam highway and 35 KM from the Gannavaram air port.

VISION

To empower the students to become technologically vibrant, innovative and emotionally matured and to train them to face the challenges of the quality conscious globalized world economy.

MISSION

- To provide an environment most conducive to learning and to create a stimulating intellectual atmosphere on the campus.
- To achieve Academic Excellence.
- To ensure a holistic development of personality.
- To spread education to rural areas.
- To establish partnership between Institution & Industry.

ACADEMIC REGULATIONS (R14) FOR B.Tech. (REGULAR)

Applicable to the students of B.Tech. (Regular) course admitted from the Academic Year 2014-15.

1.   Award of B.Tech. Degree

A student will be declared eligible for the award of B.Tech. Degree if he/she fulfills the following academic regulations:

I   A student shall be declared eligible for the award of the B.Tech. Degree, if he/she pursues a course of study in not less than four academic years and not more than eight academic years

II   The candidate shall register for 182 credits and secure all the 182 credits.

2.   Course of study

The following courses of study are offered in the college at present for the B.Tech. programs.

S.No	Branch
1	Aerospace Engineering
2	Civil Engineering
3	Computer Science and Engineering
4	Electronics and Communication Engineering
5	Electrical and Electronics Engineering
6	Electronics and Instrumentation Engineering
7	Information Technology
8	Mechanical Engineering

3.   Distribution and Weightage of Marks

(i)   In each semester, the course of study consists of 5 or 6 theory subjects and 2 to 4 laboratories. However, in the VIII semester, there shall be only 3 theory subjects in addition to the project work and comprehensive viva-voce.

(ii)   The performance of the students in each semester shall be evaluated subject wise for a maximum of 100 marks for theory and 75 marks for practical subjects. In addition, seminar, mini project, internship, project work and comprehensive viva shall be evaluated for 75, 75, 75, 200 and 75 marks respectively.

(iii) For each theory subject the distribution shall be 25 marks (20 marks for internal tests and 5 marks for assignments/tutorial/objective test) for internal evaluation and 75 marks for the end semester examination.

(iv) For each theory subject, during every semester there shall be two tests for a duration of 90 minutes each. First descriptive test to be conducted in 1 & 2 units and the second test be conducted in 3, 4 & 5 units. However, 75% weightage for the better of the two and 25% for the other test shall be considered for awarding sessional marks.

(v) The question paper for internal examinations shall contain 4 questions. The Question 1 (PART – A) is compulsory and consists of 6 sub questions (Short / Objective / Multiple Choice type) each carry 1 mark, from 1st and 2nd unit of syllabus. The remaining 4 questions (PART - B) be set from first two units (at least 1 question from each unit) and student is required to answer 2 questions and each question carry 7 marks.

The question paper for external examination contains 8 questions covering all the units. The question1 (PART – A) is compulsory and consists of 10/15 sub questions, one from each unit of the syllabus. The remaining 7 questions(Part – B) be set from all the units (at least 1 question from each unit) and the student is required to answer 4 questions. All questions carry equal marks.

(vi) For practical subjects there shall be a continuous evaluation during the semester for 25 marks (10 marks for day-to-day work, 10 marks for the internal test and 5 marks for record) and 50 marks for end examination. The end examination shall be jointly conducted by one internal faculty and one external examiner.

(vii) For the subjects like design and / or drawing (such as Engineering Graphics, Machine Drawing etc.) and estimation, the distribution shall be 25 marks for internal evaluation (15 marks for day-to-day work and10 marks for internal tests) and 75 marks for end examination. There shall be two internal tests in a semester.

(viii) The mini project shall be evaluated both internally and externally by a committee. The internal committee consists of head of the department, the supervisor of mini project and a senior faculty member of the department. The external committee consists of head of the department, the supervisor of mini project and a duly appointed external examiner.

(ix) The students shall undertake the internship for a duration 4 weeks in vacation after VI semester of the course and shall be evaluated at the end of VII semester of the course. The internship shall be evaluated by the committee consisting of head of the department and two senior faculty members of the department.

(x) There shall be seminar in the V semester for which the student shall collect the information on a specialized topic and prepare a technical report, indicating his/her understanding over the topic, and submit to the department, which shall be evaluated by the Department committee consisting of Head of the department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 75 marks. There shall be no external examination for seminar.

(x)   Out of a total 200 marks for the project work, 50 marks shall be for internal evaluation and 150 marks for the end semester examination. The internal evaluation shall be on the basis of two seminars delivered by each student on the topic of his project and evaluated by the committee consisting of head of the department, supervisor of the project and a senior faculty. The end semester examination (viva-voce) shall be conducted by the committee consisting of external examiner, head of the department and supervisor of the project. The evaluation of project work is carried out at the end of the VIII Semester.

(xi)   The comprehensive viva-voce shall be conducted for 75 marks at the end of VIII Semester. The comprehensive viva shall be evaluated in the subjects covering entire course. The comprehensive viva-voce shall be evaluated by the committee consisting of head of the department and two senior faculty members of the department

4.   Attendance Requirements

(i)   A student is eligible to write the end semester examinations if he/she acquires a minimum of 75% of attendance in aggregate of all the subjects.
(ii)   Condonation for shortage of attendance in aggregate up to 10% on medical grounds (65% and above and below 75%) in each semester may be granted by the college academic committee.
(iii)   Shortage of attendance below 65% in aggregate shall not be condoned.
(iv)   A student who is short of attendance in a semester may seek re-admission into the same semester when offered next within 4 weeks from the date of the commencement of class work.
(v)   Students whose shortage of attendance is not condoned in any semester are not eligible to write their end semester examination of that class.
(vi)   A stipulated fee shall be payable towards condonation of shortage of attendance.
(vii)   A student will be promoted to the next semester if he/she satisfies the (a) attendance requirement of the present semester and (b) credits.
(viii) If any candidate fulfills the attendance requirement in the present semester, he/she shall not be eligible for readmission into the same class.

5.   Minimum Academic Requirements

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item no.4.

(i)   A student shall be deemed to have satisfied the minimum academic requirements if he has earned the credits allotted to each theory/practical design/drawing subject/project and secures not less than a minimum of 40% of marks exclusively at the end semester examinations in each of the subjects in which candidate had appeared. However, the candidate should have secured minimum of 40% marks in both external and internal components put together to be eligible for passing in the subject.

(ii)   A student shall be promoted to next semester, if he satisfies the minimum attendance requirement.

(iii) A student shall be promoted to V semester if he/she fulfills the academic requirement of 40% of the credits (27credits) up to III semester from all the examinations.

(iv) A student shall be promoted to VII semester if he/she fulfills the academic requirement of 40% of the credits (45 credits) up to V semester from all the examinations.

(v) There shall be supplementary examinations along with the regular semester examinations to give a fair chance to the student to appear in the subject if failed in any.

6. Course Pattern

(i) The entire course of study is of four academic years, all the years are on semester pattern.

(ii) A student eligible to appear for the end examination in a subject, but absent from it or has failed in the end semester examination, may write the exam in that subject when conducted next.

(v) When a student is detained for lack of credits / shortage of attendance, he may be re-admitted into the same semester / year in which he has been detained. However, the academic regulations under which he was first admitted shall continue to be applicable to him.

7. The result processing and award of class is carried out on 10-point scale grading system as described below.

A. Conversion of marks obtained by the students to letter grades & grade points – B.Tech programme.

Absolute Marks	Grade	Grade Points
90 and above	S	10
80 – 89	A	9
70 – 79	B	8
60 – 69	C	7
50 – 59	D	6
40 – 49	E	5
Less than 40	F	Fails, 0

B. Calculation of SGPA and CGPA:

The performance of every student at the end of each semester is indicated by Semester Grade Point Average (SGPA) and is calculated for the candidates who pass all the courses in that semester.

$$SGPA = \frac{\Sigma(CR \times GP)}{\Sigma CR}$$

The Cumulative Grade Point Average (CGPA) for entire programme is

$$CGPA = \frac{\sum(CR \times GP)}{\sum CR}$$

Where CR = Credits assigned to a course
GP = Grade points awarded to each course

8. Award of Class

After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B.Tech. Degree, he shall be placed in one of the following four classes:

Range	Class awarded
7.75 and above	First Class with Distinction
6.75 to < 7.75	First Class
5.75 to < 6.75	Second Class
4.75 to < 5.75	Pass Class
Below 4.75	Fails

9. Minimum Instruction Days

The minimum instruction days for each semester shall be 90 working days.

10. There shall be no branch transfers after the completion of the admission process.

11. With Holding of Results

If the student has not paid the dues, if any, to the institution or if any case of indiscipline is pending against him, the result of the student will be withheld. His degree will be withheld in such cases.

12. Transitory regulations

As recommended by the different Boards of Studies and as approved by the academic council, the following regulations govern the cases of students for re-admission in to another scheme of course in the college.

A student in one scheme (Say R10, R11 & JNTUK), detained due to lack of required no of credits or percentage of attendance at the end of any year/semester is permitted to take re-admission at appropriate level in any other scheme prevailing in the college subject to the following rules and regulations.

a) He shall pass his backlog subjects if any by appearing for supplementary examinations conducted by the college/JNTUK from time to time.

b) After readmission, the student is required to study the subjects (theory, practical, seminar, internship, mini project, etc...) as prescribed for the re-admitted course at that level and thereafter.

c) However if the student has already passed any subjects (theory, practical/ others) of readmitted course in the previous scheme, such subjects are exempted.

d) If the student has not studied any subjects (theory, practical/ others) of readmitted course of previous years/ semesters in R10/ R11/JNTUK scheme till the stage of

readmission, such subjects will be included as additional subjects in the readmitted course in place of exempted subjects.

e) In general, after transition, there shall be balance in course composition and no of credits/semester.

13. General

(i) Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".

(ii) The academic regulation should be read as a whole for the purpose of any interpretation.

(iii) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman, Academic council is final.

(iv) The college may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the college as decided by the college academic council.

ACADEMIC REGULATIONS (R14) FOR B.Tech (LATERAL ENTRY SCHEME)

Applicable for the students admitted into II year B.Tech from the Academic Year 2015-16 onwards.

1. ## Award of B.Tech Degree

   A student will be declared eligible for the award of B.Tech Degree if he fulfills the following academic regulations.

   (i) A student shall be declared eligible for the award of the B.Tech Degree, if he pursues a course of study in not less than three academic years and not more than six academic years.

   (ii) The candidate shall register for 136 credits and secure all the 136 credits.

2. The attendance regulations of B.Tech (Regular) shall be applicable to B.Tech lateral entry scheme.

3. ## Promotion Rule

   A student shall be promoted to VII semester if he/she fulfills the academic requirement of 40% of the credits (27 credits) up to V semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in VI semester.

4. ## Award of class
   After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B.Tech. Degree, he shall be placed in one of the following four classes.

Range	Class awarded
7.75 and above	First Class with Distinction
6.75 to < 7.75	First Class
5.75 to < 6.75	Second Class
4.75 to < 5.75	Pass Class
Below 4.75	Fails

5. All the other regulations as applicable to B.Tech. 4-year degree course (Regular) will hold good for B.Tech (Lateral Entry Scheme)

MALPRACTICES RULES

The examination related malpractices will be dealt with as per the provisions contained in the scale of punishment notified by the JNTUK, Kakinada from time to time.

RAGGING

Ragging is cognisible offence and is prohibited in the college campus, Hostels and in all places. Those students indulged in this criminal act will be punished as per the provisions of Act 26 of 1997 enacted by the Govt. of A.P.

(A) The following precautions are taken by the college to prevent RAGGING in the campus

- Ragging within or outside any educational institution is prohibited.
- Ragging means doing an act which causes or is likely to cause Insult or Annoyance of Fear or Apprehension or Threat or Intimidation or outrage of modesty or Injury to a student.

Offence	Imprisonment up to		Fine Up to
Teasing, Embarrassing and Humiliation	6 Months	+	Rs. 1,000/-
Assaulting or Using Criminal force or criminal intimidation	1 Year	+	Rs. 2,000/-
Wrongfully restraining or confining or causing hurt	2 Years	+	Rs. 5,000/-
Causing grievous hurt, kidnapping or Abducts or rape or committing unnatural offence	5 Years	+	Rs. 10,000/-
Causing death or abetting suicide	10 Years	+	Rs. 50,000/-

(A)

1. Ragging is prohibited as per Act 26 of A.P. Legislative Assembly, 1997.
2. Ragging entails heavy fines and/or imprisonment.
3. Ragging invokes suspension and dismissal from the college.
4. Outsiders are prohibited from entering the college and Hostel without permission.
5. Girl students must be in their hostel rooms by 7.00 p.m.