LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India
Internal Quality Assurance Cell (IQAC)

Best Practices during the A.Y:2017-18

Best Practice-I

Title: Quality teaching and procedure code in academic and administrative functions

Objectives:

LBRCE is used to achieve the following objectives to.

- Guide the faculties towards better planning, teaching, and research.
- Enhance effectiveness of knowledge delivery system in classroom.
- Enhance administrative efficiency and transparency
- Address the problems of students and make teaching student oriented.

Context:

LBRCE is a guideline for standard procedures of teaching and evaluating students. It lays down step wise code for preparation of time-tables, course handouts, teaching material, PPTs, classroom conductions, lab/practical conduction, evaluation of students on daily basis and mid semester and end semester. It is a one destination solution to better teaching with quality assurance and student care.

Practice:

- The institute is complying with the laid code stringently to deliver best to its potential.
- SMS facility has been introduced for intimating the shortage of attendance to the Parents.
- The facility has also helped in giving a quick and unexpected update to the students.
- Remedial and bridge classes are conducted for academically weak students.
- Guidance for competitive examinations is scheduled for advanced learners.
- The institute regularly organizes Faculty Development Programs with internal and external experts.

- Faculty development programs are conducted to incorporate latest technology and innovative methods in teaching techniques and learning processes. Faculty is also motivated to use ICT tools extensively.

- Workshops and certification programs on learning skills, communication and latest technologies for students are made part of department calendar of events.

- To organize the certification programs and workshops, CM's Skill Excellence Centre by Andhra Pradesh State Skill Development Corporation (APSSDC), ANSYS Skill Development Centre, Remote Centre - IIT Bombay - NME-ICT, Swayamprabha – NME-ICT and NPTEL Local chapter are established.

- To promote the research culture among the students Centre for Innovation, Incubation and Entrepreneurship (CIIE) is established.

- In addition to these, industrial visits are planned regularly and Internship is introduced during pre-final year and final year semester break to improve the industry-institute interaction.

- To improve the problem solving and self learning skills of the students, Problem Assisted Learning (PAL) and Problem Based Learning (PBL), Mini Project and Technical Seminar are included in the curriculum.

- Personality development programs and soft skill development classes are organized from time to time to improve soft skills of the students.

Evidence of Success

Overall student satisfaction has been improved. The **Student Satisfactory Survey** on the Teaching Learning is **3.45 on 4 point scale**. Faculty are better prepared for the classes and more satisfied with the delivery. More intellectual activities are done for the time and energy saved because of more organized and planed work. The details of the workshops, certification programs and FDPs are given below.

Activity	Number	No. of Students/ Faculty benefitted
Workshops	21	1720
Certification programs	33	1108
Online Certification Programs (NPTEL)-Students		745
Industrial Visits	21	1661
Guest Lectures	20	2358
FDPs	13	268
Online certification Programs (NPTEL)-Faculty		231

LBRCE NPTEL Local chapter has been recognized with a rating of

✓ 'AAA' (Top 10 among all Local Chapters in INDIA)Grade during the period Jan 2018 –April 2018

✓ 'AA' (Top 50 among all Local Chapters in INDIA) Grade during the period June 2017 –December 2017

Some of the achievements of our students are listed below:

Innovations	02 Students got Incubation offers - Green Bike & Plastic Waste Management under Startup India Andhra Pradesh Yatra programme.
Prathibha Awards (A.P. State Govt.)	Students in June, 2018 (ASE:01, CIVIL:03, CSE:01, EEE:02, MECH:03, IT:02, MBA:01)
Research Fellowships	03 – Indian Academy of Sciences (IASc), Summer Research Fellowships IITB (02), NGRI (01)
Sports & Games	Secured FIRST place in Kabbadi, Student Olympic Games 2018, MALAYSIA during 22nd to 26th January, 2018.
Extension Activities	M.Kiranmai, represented Republic Day Parade, New Delhi
	J.Swapna, represented Republic Day Parade, Amaravati, A.P.

Problems Encountered and Resources Required

Acceptance and timely adoption of faculties have been a challenge however; it has been welcomed by most of the faculties. Resources required are internet and computer facility for each teacher separately. Smart classrooms need to be established.

Best Practice-II

1. Title of the Practice: Employability Enhancement

2. Goal:

Every Institution's track record with respect to placements is always a parameter strongly considered by Parents before seeking the admission. Accordingly our institute has taken the task of employability enhancement right from the inception and specific practises are implemented in our institute. The objective is to make our students employable immediately after graduation.

3. The Context:

It is necessary that the student attains requisite knowledge in his/her branch of engineering as well as posses adequate soft skills and programming ability to become employable. We focused on all these three aspects to achieve this goal.

4. The Practice:

To impart the requisite technical knowledge, the following practices are adopted:

- The important technical aspects are emphasized by every teacher in the class room.
- Guest lectures and training programs are arranged for a good number of core subjects in every branch of engineering.
- Certification programs and trainings are arranged for specific subjects.

For providing adequate soft skills, the following methods are adopted:

- A separate department for Communication and Soft Skills (Centre for Career Guidance and Training, CCGT) has been established with suitable and experienced experts.
- The centre has designed specific practices spread through the last four semesters as part of the curriculum. Chosen training programs by external experts are arranged.
- For providing adequate programming ability a number of programming exercises are conducted by the internal faculty. Certification programs by external agencies are also arranged.

5. Evidence of Success:

Number of students placed in the A.Y 2016-17 is 382 where as it is improved in the A.Y 2017- 18 to 555.

6. Problems Encountered and Resources Required:

The expected level of focus by the students on the arranged training programs is not attained due to intellectual capabilities of students and economic reasons as well as the availability of time. The CCGT needs to be strengthened along with effective teaching learning process. More number of guest lectures by industrial experts is to be conducted.

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