**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**
(AUTONOMOUS)
L.B.Reddy Nagar, Mylavaram-521230, Krishna Dt., Andhra Pradesh

**Link for Action taken report on feedback signed by head of the departments.**

**Link:** **https://lbrce.ac.in/iqac/iqaccurriculumfeedback.php**

**Stakeholder feedback analysis report for 2019-20.**

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# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
### (AUTONOMOUS)
### Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)
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)

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14-09-2020

## STAKEHOLDER FEEDBACK ANALYSIS ON CURRICULUM

Based on the action taken reports on stakeholder feedback on curriculum received from various departments the followings actions are to be taken for the coming regulations.

- New courses on emerging areas are to be introduced in the curriculum to improve the core placements
- Upgradation of laboratory facilities
- Increase internship duration
- Introduce Skill/Job Oriented Courses to enhance the skill set of the students
- More value-added courses beyond the curriculum
- Encourage students to register for SWAYAM courses to improve self-learning capability
- Strengthen Industry Institute Interaction

IQAC Coordinator

Principal

**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**
(AUTONOMOUS)
Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi,
Accredited by NAAC, An ISO 9001:2015 Certified Institution
L.B.Reddy Nagar, Mylavaram - 521 230, Krishna District, Andhra Pradesh, INDIA
**Department of Aerospace Engineering**
Website: http://lbrce.ac.in          Email: hodaero@lbrce.ac.in          Phone:08659-222933  Ext:513/515

Date: 12-08-2020

## Stake Holder Feed Back Summary & ATR for AY: 2019-20

### Student Feedback:

➢ Explanation in Laboratories can be more elaborative.
➢ It is requested to include the subjects in the field of Rules & Regulations of FAA etc.

### Academic Expert Feedback:

➢ Use the online learning sources to teach effectively
➢ Discuss application oriented problem in the class room

### Industry Expert Feedback:

➢ Encourage students to learn the current programming languages
➢ Students are expected to have knowledge on recent advances in the core sector
➢ Students are expected to learn advanced tools to improve the chances of getting placed
➢ Encourage the students towards entrepreneurship

### Alumni Feedback:

➢ Include Rules and Regulations of FAA and other agencies as a  course
➢ Improve industrial visits and internships
➢ Try to get the core companies for recruitment.

### Parents Feed Back:

➢ Counseling can be more effective
➢ Expecting ragging free environment in the college.
➢ Try to improve the placements in core sector.

## Management Feed Back:

➤ Make sure the campus is ragging free.
➤ Plan the curriculum to use all the advanced facilities provided.
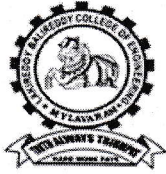
## Teachers Feedback:

➤ Some components of syllabus in few subjects have to be reviewed in BOS meeting.

## Action Taken:

✓ Department is able provide some core placements to the students
✓ Students were encouraged to take NPTEL, Coursera and other online courses.
✓ New experiments are being included in each academic year
✓ Counselors are instructed to monitor the students attitude and inform same to the parents
✓ Planning more industrial visits for students to get industry exposure.
✓ During project the students are encouraged to use advanced labs in the campus.
✓ Planning to include the rules and regulations of FAA in the curriculum

**Incharge**

**Head of the Department**

Head of the Department
Aerospace Engineering
Lakireddy Bali Reddy College of Engg.
MYLAVARAM - 521 230., Krishna Dt, A.P.

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L.B. Reddy Nagar, Mylavaram-521230. A.P, INDIA
Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi
NAAC Accredited New Delhi & Certified by ISO 9001:2015
**DEPARTMENT OF CIVIL ENGINEERING**
http://www.lbrce.ac.in, hodcivil@lbrce.ac.in Ph: 08659-222933, Fax: 08659-222931

## Summary of Stake holder feedback and analysis on syllabus during the A.Y.: 2019-20

**Students:**
- Include more concepts of GATE syllabus in the curriculum.
- Introduce advance subjects according to the society needs.
- Introduce theory component of building planning in the syllabus.

**Teachers:**
- Introduce integrated course to carry theory and laboratory together.
- Revision of syllabus should be carried out based on the needs of competitive exams.
- Inclusion of advanced laboratory in the curriculum.
- Introduce advanced software related to core subjects in the form of workshops & training programs.

**Employees:**
- Modify the syllabus according to industry needs and competitive exams.
- Introduce modern software programming techniques required in professional demand.
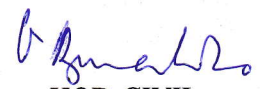
**Alumni:**
- Remove unnecessary topics in syllabus.
- Give more practice on fundamental subjects.
- Include civil drawing subjects in syllabus.
- Introduce advanced software such as Python, Machine learning, artificial intelligence etc to Civil engineering students to meet the professional demand.

**Parents:**
- Motivate students to do more innovative projects.
- Conduct more no of industrial visits.
- Organise more workshops to develop skills needed for employment.

**Action taken:**

- Theoretical part of the Building planning and drawing subject is included in coming R20 regulations.
- Syllabus is being modified based on fundamentals and industry needs.
- Continuous updating of syllabus is being carried out for coming R20 regulations based on GATE syllabus and professional requirements.
- Staff colloquium is being organized to share the technical updates in the domain area and converting into effective output through projects or assignments.
- Workshops are organized to introduce latest software's/applications in civil engineering domain and encouraging students to use it in the projects.
- Remedial classes are being conducted for failed students and they are monitored for their academic improvement.
- Introducing integrated course which take theory and laboratory together.
- Introduced minor / mini projects based on society needs through Engineering Projects in Community Services.
- Introducing Machine learning, artificial intelligence in Engineering.
- Advanced laboratory is introduced to bring more practical exposure to students in coming R20 regulations.
- Few courses such as building materials, Concrete technology, Strength of materials and structural Analysis are trimmed to suit the GATE Syllabus, professional needs and AICTE requirements

HOD-CIVIL
18.8.20

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

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L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230.
http://cse.lbrce.ac.in, cselbreddy@gmail.com, Phone: 08659-222933, Fax: 08659-222931

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consolidated Alumni Feedback Report on Curriculum 2019-20

| Academic Year | Consolidated Alumni Feedback Report on Curriculum Development | Action Taken |
|---|---|---|
| 2019-20 | Java course should contain detailed topics on java collections and packages. | Suggested for next curriculum revision |
| | New courses on automation can be included. | Considered and will be incorporated in the professional elective courses in the next curriculum revision |
| | Syllabus should be framed with GATE Orientation. | Syllabus of all the core and professional elective courses is reviewed and revised in line with the requirements of competitive examinations |
| | Skilling course must be made advanced level by including LabView with Aurdino for the better implementation of the real time projects | Suggested for next curriculum revision |
| | Machine learning can be made as the core course since the next exploring technique is the same. | Suggested for next curriculum revision |
| | Include IOT Application Development using Python | Suggested for next curriculum revision |

Coordinator

HOD

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http://cse.lbrce.ac.in, cselbreddy@gmail.com, Phone: 08659-222933, Fax: 08659-222931

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consolidated Faculty Feedback Report on Curriculum 2019-20

| Academic Year | Consolidated Faculty Feedback Report on Curriculum Development | Action Taken |
|---|---|---|
| 2019-20 | Dr.D. Sujatha, Professor, Dept of CSE, Mallareddy College of Engg, Medchal, Hyderabad Introduce object-oriented programming languages in second semester only | Considered and will be incorporated in Next Curriculum Revision. |
| | R. Nagesh Shetty, Prof., Dept of CSE, Andhra University, recommended to introduce Computer-Oriented Statistical Methods | Suggested for next curriculum revision |
| | K. Chandra, Professor Dept of CSE, V.N.R.V.J.I.T., Hyd, insisted on including "Linux Administration" course. | Suggested for next curriculum revision |
| | Dr. D. Jagan Mohan Reddy Associate Professor, CSE suggested to include advanced topics in IOT and cloud. | Suggested for next curriculum revision |

Coordinator                                                      HOD

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consolidated Students Feedback Report on Curriculum 2019-20

| Academic Year | Consolidated Students Feedback Report on Curriculum Development | Action Taken |
|---|---|---|
| 2019-20 | Include Coding skills course in each semester to groom the coding ability of students | Incorporated as E-box training in the curriculum |
| | Introduce the courses like App Development, Web Development for interested students. | May be considered for Next Curriculum Revision |
| | Conduct Programming contests which improve the logical skills and programming skills | Programming contests through Code-Vita and COCUBES are being organized |
| | The Projects assigned to the students should be real time so that they can know where the course is used and the usage of tools. | May be considered for Next Curriculum Revision |
| | CN lab explanation must be more particularly on python coding. | Considered |
| | More topics to be included in OOPS subject regarding threads and streams. | Considered |

Coordinator

HOD

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consolidated Industry Feedback Report on Curriculum 2019-20

| Academic Year | Consolidated Industry Feedback Report on Curriculum Development | Action Taken |
|---|---|---|
| 2019-20 | Mr. V. Murali Krishna, AMD, Hyderabad suggested Enterprise Programming in III Year of B.Tech | Considered and incorporated. |
| | Mr. Anubhav Sinha, TCS suggested to consider practice and implementations of IoT and cloud computing concepts on lab sessions | Suggested for Next Curriculum Revision |
| | Ms. Neha Bhat, ARETEANS recommended "Administrating Cloud Services" | Suggested for Next Curriculum Revision |
| | Ms.Rama Lakshmi, IBM suggested "Google App Engine" | Partially Considered |
| | The syllabus to be expanded with topics such as model based engineering including modeling and simulation. | Partially Considered |
| | Emphasis to be given on the designing mobile apps using MEAN Stack | Partially Considered. It was recommended to introduce Mean Stack as certification course. |

Coordinator

HOD

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L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230.
http://cse.lbrce.ac.in, cselbreddy@gmail.com, Phone: 08659-222933, Fax: 08659-222931

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consolidated Parents Feedback Report on Curriculum 2019-20

| Academic Year | Consolidated Parents Feedback Report on Curriculum Development | Action Taken |
|---|---|---|
| 2019-20 | Number of professional core courses should be introduced in view of GATE Examination. | BoS committee has considered the feedback given by parents and approved the same for adding the number of professional elective courses and approved the same |
| | Mr.China Venkata Subba Rao requested more training classes for his ward for help in placements | Considered |
| | Dr.C.M. Sheela Rani suggested including "Probability and Statistics" in early semesters | Suggested for Next Curriculum Revision |
| | Mr.Vishal Raj advised to offer "Cloud Web Services " course | Partially Considered |
| | More free hours to be allotted for extra-curricular activities. | Considered |
| | New technologies-based subjects may be included in the curriculum. | Considered |

Coordinator

HOD

## Consolidated Feedback report collected from Stakeholders during academic year   2019-20

Students

- Provide final year second semester exclusively for project work without other course work
- More encouragement may given to attend outside workshops  and conferences
- More programming  courses may be introduced in curriculum

Faculty

- Courses like micro grids, electric vehicles can be added in curriculum to meet the industry demands
- Technical seminar may be introduced in VII semester.

Industry

- Include more skill development courses in curriculum to make students industry ready
- Internships in reputed industries to get exposure to latest technologies

Alumni

- Add courses related to present technologies.
- Students are to be encouraged to do projects at the end of each lab course
- Require self learning courses

Parent

- Good number of Certification training programmes  to improve employment opportunities
- Better mentoring for students regarding their career.

## Action taken report

- In R17 regulation there is provision for students to take final year second semester exclusively for project work if they complete add on courses in V, VI and VII semesters.
- Guest lectures /workshops are arranged to create awareness on latest technologies in this academic year2019-20
- certification programes on python program, PLC & SCADA were conducted in academic year 2019-20
- Collected different views on the development of Curriculum /syllabus of EEE department and forwarded to Department Academic Committee and Department Advisory Board to include in next  regulation.

P.Sttln

Head of the Department

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## Department of Electronics and Communication Engineering

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Consolidated Feedback report collected from Stakeholders during academic year 2019-20

## Industry

- Students should update themselves on the current trends in the industry.
- Students should undergo internship program in industry prior to be deployed into the company.

## Alumni

- More internship programs can be conducted for better industrial exposure.
- MOOC Certification—NPTEL Certifications can be mandatory from III year onwards.
- Curriculum gaps are identified in their area of expertise.

## Students

- Suggested to give final semester completely for project work.
- Improve skill development activities through student chapter, Reconfigurable Club.
- Suggested to provide technical training classes for GATE and other competitive examinations.

## Faculty

- Suggested students to do more projects on machine learning, Artificial Intelligence and Deep Learning.
- Advanced courses may be introduced in VLSI stream.

## Parents

- Provide more training classes for better placements.
- Mentor the students for the guidance for their better career.

## Action Taken Report:

- In R17 Regulation, if a student completes Add-on courses and MOOC Course up to VII semester, VIII semester is completely for project work. Student can do his/her project in Industry.

- Students are visiting like Cyclone Detection RADAR Station, ISRO in II year and III year for better exposure of Industry.

- In R17 Regulation, students have to complete 2 internships that are after completion of IV-Semester and VI-Semester respectively.

- Expert lectures/workshops are arranged through industry to fill the gaps.

- College is enrolled as a local chapter for NPTEL courses; Students are motivated to enhance their technical knowledge by completing one or more courses as MOOC Courses. Faculty are also encouraged and rewarded according to their scores.

- Group discussions and General Knowledge Quizzes are conducted through Student Chapters.

- Practical Knowledge on PCB Design, German Language classes is conducted through Reconfigurable club.

- Mentoring system is already implemented. Each faculty is allocated 20 students and shall interact with their respective students at regular intervals.

- CRT classes and E-box and CISCO training are provided for good placements.

Date: 05-09-2020

Head of the Department

HEAD
Department of Electronics &
Communication Engineering
Lakireddy Bali Reddy College of Engineering
MYLAVARAM, Krishna Dt., Andhra Pradesh

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L.B. Reddy Nagar, Mylavaram-521 230. Krishna Dist, Andhra Pradesh, INDIA
http://www.lbrce.ac.in phone: 08659-222933, 222934 Ex:109
**DEPARTMENT OF INFORMATION TECHNOLOGY**

## Stake Holder Feedback analysis Summary for the AY: 2019-20

**Students:**
- Suggested to provide the final semester completely for Project Work
- Suggested to increase the Internship duration after VI semester

**Faculty:**
- Suggested to reframe the syllabus of Artificial Intelligence and Computer Architecture
- Suggested to update the lab syllabus of Cloud Computing
- Include advanced labs in the curriculum

**Employers:**
- Suggested to conduct Industry centric Workshops
- Suggested to encourage the students towards automation for many real time problems
- Train the students on Communication and Personality Development Skills to stay in this competitive world.

**Alumni:**
- Students must be encouraged to do projects in industry.
- Introduce advanced subjects according to Industry needs
- Encourage students towards Value added courses like CISCO, AWS and RPA etc.,.

**Parents:**
- Subjects related to advanced technologies can be added in curriculum.
- Suggested to give more emphasis towards GATE.
- Suggested to Counsel the students towards career development

## Action Taken Report

- PAL and PBL are introduced in R17 regulations to provide technical solutions to the real time problems.
- Students were encouraged to take NPTEL online courses.
- New experiments are being practiced beyond the syllabus
- Counselors are instructed to suggest the workshops or events which would be helpful for their placements.
- Faculty is motivated towards research and development.
- Motivating the students for higher education.
- Conducting GATE classes
- During project the students are encouraged to use advanced labs in the campus.
- Students are encouraged to go for Internship in reputed Industries.
- Students are pursuing Add-on Courses to get time to concentrate more on projects in the Final semester.
- Recommendations regarding reframe of syllabus have been considered for the next curriculum revision R20.
- Faculty trained for AWS, CISCO and Blue Prism

**Program Coordinator**

## DEPARTMENT OF MECHANICAL ENGINEERING

### Stake holder feedback summery and analysis on syllabus during the A.Y:2019-2020

**Students**

- Improve skill development activities through Dassault Systems, Applied Robotic Control Lab and ISHRAE student chapter, Robotic Club and Association activities.
- Provide more placement training classes.
- Arrange technical training classes for GATE and other competitive examinations.

**Teachers**

- Improve teaching learning methodology through different modes like Microsoft Teams, Moodles.
- Improve soft skills for better career.

**Employers**

- Improve communication and technical skills.
- Acquire knowledge on softwares used in industry.
- Arrange more number of industrial visits.
- Attend more number of workshops and technical fests.

**Alumni**

- Improve connectivity between alumni with current students.
- Organize interactive events with alumni who are working in core industries.

**Parents**

- Provide more placements.
- Inform student activities and their progress periodically.

**Action Taken Report**

- Skill development activities will be planned through Dassault Systems, Applied Robotic Control Lab and ISHRAE student chapter, Robotic Club and Association activities.
- Planning to conduct GATE classes for Mechanical Engineering students.
- Planning to improve teaching learning methodology by using various ICT tools.
- It is decided to improve communication and technical skills.
- Planning to arrange more industrial visits.
- Planning to arrange a greater number of interactive events with alumni who are working in core industries.
- It is decided to invite more number of core companies.

IN-CHARGE 15/06/2020                                    HOD 15/06/2020

## SCHOOL OF MANAGEMENT STUDIES          Dt: 20.07.2020

### (2019-20)

### Consolidated feedback report collected from the alumni on syllabus

1. Some of the alumni students revealed that themake the programs of enhancing the skills relating to life skills and employability skills.
2. Increase the opportunities for opting advanced specialization: Tourism Management and Business analytics
3. Improve the practical orientation in class work and project works like B schools.

### Action taken report:

1. Based on the alumni students' suggestions, the DAC discussed in the meeting and forwarded to Board of studies for implementing in R-20 regulations, if it possible.
2. Regarding Advanced subjects, to be implemented in future.

### Consolidated feedback report collected from the students on syllabus

1. Students advised that inter- disciplinary subjects regarding costumer and Entrepreneurship specializations in the MBA programme.
2. Provide the facility to certification courses online more.

### Action taken report:

1. DAC recommended toBoard of studies and to be implemented in R-20 regulations, if it is possible.
2. Regarding certification courses, the DAC to planned to implement in future, at present, NPTEL and swayam prabha certification course and others are introduced.

### Consolidated feedback report collected from the teachers on syllabus

1. To be introduced advanced subjects related to human potentials and manpower, GST, Income Tax resolutions etc.,
2. Replacement of QABD in place of SFM in Semester I, introduce CMA in Semester III in place of OR and merge the title of CB & CRM in Semester IV.

3. Suggested that no need to be added new concepts in the syllabus of marketing management, human resource management and finance management.

4. Project work phase I should be conducted as CIE and SEE and design the comprehensive viva-voce.

**Action taken report:**

1. In the BOS meeting, examined and decided that to be implemented in future, probably in R-20 regulations.

## Consolidated feedback report collected from the parents on syllabus

The parents suggested that introduce software and systems subjects in specializations in MBA program.

**Action taken report:**

DAC forwarded to Board of Studies . Board concluded to be implemented in future.

## Consolidated feedback report collected from industrialists/resource persons on syllabus

1. Industrialists recommended that a comprehensive syllabus in Incubation and Entrepreneurship and start-ups in 3 rd semester and provide more industrial visits.

**Action taken report:**

1. The Board of studies advised that not needed to design comprehensive syllabus of entrepreneurship and more industrial visits. Whatever, we have at present, is sufficient to be implemented in future.

## Consolidated feedback report collected from the Govt. officials on syllabus

Nil

**Action taken report:**

Nil

## Consolidated feedback report collected from the college guests on syllabus

Nil

**Action taken report:**                Nil

Programme Coordinator                                    HOD