



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC, ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi. and Affiliated to JNTUK, Kakinada
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DEPARTMENT OF CIVIL ENGINEERING

Summary of Stake holder feedback and analysis on syllabus during the A.Y.: 2021-22

Students:

- Update the curriculum with revised GATE syllabus and competitive exams.
- Illustrate the concepts through examples and applications.
- Sufficient number of relevant reading materials and digital resources should be available in the Library.

Teachers:

- The course/syllabus should increase knowledge and perspective in the respective subject area.
- Student should need to develop professional ethics and principles.
- Include some professional engineering practice courses in the curriculum.
- Student should have the knowledge associated with health, societal and safety issues.
- Introduce modern software tools/programming techniques required in professional demand.

Employees:

- Student should focus on building soft skills and fundamental principles.
- Student should be able to build the ability to solve real life problems
- Provide opportunities for out of class room learning (guest lectures, seminars, workshop, value added programmes, conferences, competitions) by subject experts.
- The institute-industry tie ups should increase and it should benefit the students in developing their skills required by the industry.

Alumni:

- Improve the syllabus to provide application-based knowledge
- Students should have the ability to learn industrial practices quickly and mould themselves into the stream
- Design the curriculum, syllabus content and plan the guest lectures /workshops as appropriate for placement / higher education
- Introduce advanced software such as Python, Machine learning, artificial intelligence, IoT systems etc to Civil engineering students to meet the professional demand.

Parents:

- Motivate students to do more innovative projects that produce a real output.
- Organise more workshops/ certification/ training programs to develop basic skills needed for employment.
- Introduce self employment generation techniques.

Action taken:

Syllabus improvements / modifications:

- Syllabus is being modified from R17 regulations based on fundamentals and present industry needs.
- Continuous updating of syllabus is being carried out in the R20 regulations based on GATE syllabus and professional requirements.
- Skill development courses are introduced in R20 curriculum such as Problem solving using Python & MATLAB, IoT applications in civil engineering.
- Universal human values course introduced to commit professional ethics and principles to students.
- 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.
- Few courses such as Disaster Management, Mechanics of fluids, design of structures, are modified to suit the professional needs and AICTE requirements.

Project / Training facilities:

- Introduced Community Service projects based on society needs as part of B.Tech.
- Workshops/Certification/training programs (Revit Architecture, Google Sketch up) are organized to introduce latest software's/applications in civil engineering domain and encouraging students to use them in the projects.
- Students are encouraged to showcase their innovative ideas through various co-curricular opportunities. Cash incentives of Rs 5000/- is awarded to the best innovative project.
- Obtained MOU with Lineysha and Thevan software technologies pvt ltd.
Academic projects and internships:
 - 18th batch students undergone academic project & internships with Lineysha and Thevan software technologies pvt ltd.
 - K. Siva Satya Narayana (18761A0122) - Mini project & Main project on C Language programming and it helped him to get placement in TCS.
- Providing Campus recruitment training and company based trainings to students to improve their soft skills and logical thinking.
- Students are encouraged to participate in Incubation/ Entrepreneurship based activities. Final year students participated in a webinar on "Hangout with Successful Start-Ups on 24-08-2021 organised on the occasion of World Entrepreneurship Day".


Head of the Department

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