



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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OFFICE OF DEAN ACADEMICS

Policy Document

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Date: 11/07/2022

Title: Midgrad Capstone Project – 1 & 2 (Engineering Departments)

Policy:

The midgrade capstone project involves students designing, developing, and analyzing solutions to real-world problems. The midgrade project to be done in third year of study aims to be a multifaceted assignment that serves as a culminating academic and intellectual experience for students. It acts as a precursor to the students' preparedness towards securing an internship opportunity with the industry relevant to the choice of their career category.

Outcomes:

- Design and build a product to address the needs of the industry (based on the choice of career category)
- Application of Critical thinking skills & technical expertise to address the problems in the industrial context.
- Enables better internship opportunities appropriate to the choice of career category.

Procedure:

- Departments are required to identify a set of courses that can get the necessary technical expertise required to undergo the project viz. design

thinking, communication, basic engineering skills, necessary core and specialization courses to support the students in identifying the projects.

- Departments are required to seek the help of industry connect / placement cell in order to identify industry specific problem statements and guide the students appropriately in applying the technical knowledge gained by them in their previous and current semesters to create a moderate fidelity prototype aligning with the benchmark standards of the industry.
- Students must be encouraged to take up domain-based problems which are in turn mapped to thrust areas identified by the department with respect to national, regional, local and global needs.
- Departments may introduce bridge courses required to expose the students to the domain of the problem, technical background, basic design principles, etc. in order to actively engage them in the project.
- Depending on the scope of the project, the complexity of the project may vary. Students should understand the perspectives of the problem, ideate the solutions, design and develop the prototype of the solution, refine the solution based on feedback from the industry experts, instructors, and/or peers over the course of time.

Evaluation Criteria

The evaluation of the Midgrad capstone project is purely based on the culminative knowledge of students with previous and present semesters. The evaluation criteria will be estimated based on the weightage of courses students learned in previous and present semesters.

For Semester 5 Midgrad capstone project:

- **40% weightage** – Application of technical knowledge gained up to 4th semester relevant to project
- **50% weightage** - Application of technical knowledge gained through the current semester subjects to solve the problem.

- **10% weightage** - Benchmarking of the solution in the National or International level hackathons and project competitions (winning the national or international level competitions may be considered as the attainment of outcome) or applying to secure internship opportunities with reputed companies.

For Semester 6 Midgrad capstone project:

- **40% weightage** - Application of technical knowledge gained up to 5th semester relevant to project
- **50% weightage** - Application of technical knowledge gained through the current semester subjects to solve the problem.
- **10% weightage** - Securing an internship opportunity to work with a reputed company suggested by the Placements department.

Further to that departments need to propose detailed rubrics on the assessment they are carrying for students as per the weightages mentioned above.



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