OFFICE OF DEAN ACADEMICS

Policy Document

KLEF/ODA/1.15/P11501/2022/V1.0   Date: 28/04/2022

Title: Entry Grad Project – 1 and 2 (Engineering Departments)

Policy:

Entry Grad Project requires students to analyze, design, develop (prototype), and test the appropriateness of the solution towards the problem. The Entry Grad project in second year of study aims to build critical thinking of the students by devising solutions for less complex Engineering problems through the use of technology.

Outcomes:

- Enhances critical thinking skills
- Instills confidence to solve real world problems
- Inculcate higher order thinking and problem-solving skills
- Develops peer and professional networking
- Enhances the opportunities for securing technical internship with reputed organizations

Procedure:

- Departments are required to identify a set of courses which focuses towards outcome attainment on design thinking, communication, basic engineering skills and support students to identify projects which require applying the listed skills to derive a solution.

- Students must be encouraged to take up domain-based problems which are in turn mapped to thrust areas 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.
- Departments are required to identify problem statements in such a way that they support application of all the technical knowledge the students have gained in the previous, current semesters and are helpful in creating a low fidelity prototype of the solution.
- 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 experts, instructors, and/or peers over the course of time.

Evaluation Criteria

The evaluation of Entry Grad Project is purely based on the culminative knowledge of students with previous and present semesters. According to the semester of Entry Grad Project, the evaluation criteria will be estimated based on the weightage of courses learned by the students in previous and current semesters.
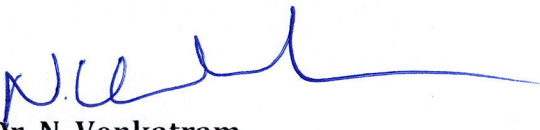
For Semester 3 Entry Grad Project:

- **30% weightage** – Application of semester 1 and 2 subjects relevant to project
- **60% 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 (Applying for the same may be considered as attainment of outcome)

For Semester 4 Entry Grad Project

- **30% weightage** – Application of semester 1, 2, and 3 semester subjects relevant to project
- **60% 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 hackathon and project competitions. (Getting selected for the Finale and participation in the finale may be considered as the attainment of outcome) or securing an internship opportunity to work on a problem that can be addressed through the knowledge gained by the student.

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

Dr. N. Venkatram
Pro Vice Chancellor

Dr Raghuveer VR
Dean Academics