# 19CS42PR - PROJECT

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| **Course Category:** | Professional Core | **Credits:** | 11 |
| **Course Type:** | Implementation and Documentation | **Lecture - Tutorial - Practical:** |  |
| **Prerequisite:** | Require the fundamental knowledge in a few core computing areas and basics of programming language. | **Sessional Evaluation:****Univ.Exam Evaluation:****Total Marks:** | 80120200 |
| **Objectives** | * Acquire practical knowledge within the chosen area of technology for project development.
* Develop effective communication skills for presentation of project related activities.
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| **Course Outcomes** | Upon successful completion of the course, the students will be able to: |
| CO1 | Identify, analyze, formulate and handle programming projects with a comprehensive and systematic approach. |
| **Course Content** | GUIDELINE/INSTRUCTION* The project must be done in a group of 3 to 4 students.
* Each group must prepare a title that relates to any engineering discipline and the title must emulate any real-world situation.
* Submit an early proposal with 1 or 2 page(s) report as per the schedule, description of functionality and how the final product will be.

ASSESSMENT (Internal - 80 and External - 120) Internal - 80* Project title and problem definition– 15 %
* Analysis and Design - 20 %
* Implementation – 25 %
* Final report(Guide lines are given below) – 10 %
* Final Review conducted by INTERNAL REVIEW COMMITTEE with Guide-30 %

 External -120* External evaluation will be conducted by two INTERNAL (from the department) and one EXTERNAL (Outside the college) examiners chosen by Principal/Director from panels recommended by the respective Head of the department.

REPORT : A report must be prepared based on the following contents:* Abstract/Synopsis.
* Introduction and plan of the report.
* Literature Survey.
* Feasibility Analysis - Feasibility of solution (Economical, Technical etc.).
* SRS - An agreement between Developer and Customer or end user (Refer any standard template followed by industry, Organization and any Institute as per current trends).
* System Design - Description of modules/functions and basic UML diagrams to support the behaviour of the system.
* Detailed Design - Supporting UML diagrams to expose different levels of representations including behaviour, Interaction and partial implementation.
* Implementation details - Coding and Testing.
* Future Enhancements.
* Bibliography - Reference books, web sites and journals (if any).
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| **References** | Refer any standard document/template which may be suitable for current development based on organization/Industry or Institute through various web sites. |
| **E-Resources** | Visit any software industry sites or Google for downloading sample formats/templates suitable to your project. |