17CS42PR – PROJECT

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| **Course Category:** | Program Core | **Credits:** | 11 |
| **Course Type:** | Implementation and Documentation | **Lecture – Tutorial – Practical:** | 0-0-22 |
| **Prerequisite:** | Require the fundamental knowledge in a few core computing areas and basics of programming language | **Sessional Evaluation:****Univ. Exam Evaluation:****Total Marks:** | 80120200 |
| **Course 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. |