

In the world universities degree programs particularly in undergraduate programs, the capstone project (CP) has become pivotal. It may be of different forms but its core objective does not change. The CP makes the student able to work independently in group research with the purpose of devising a state-of-the-art solution for any existing global problem. Though CP project is sometimes challenging but in long run it becomes rewarding for the students of the universities. The CP is generally considered as the final project or the assignment, but it plays a vigorous role developing students research abilities to compete in the world in research and technology and it hones students research skills and knowledge. The CP course also paves the way for students to get contacted with industry partners and provides solutions to the world, in this way, a strong networking develops between students and industry and even between universities and industries.

Contents

1. What is Capstone Project?
2. Significance of Capstone Project
3. Misconceptions
4. Role of Supervisor, Coordinator, and Capstone Team.
5. How to choose Supervisor?
6. Evaluation Criteria
7. Get others know your work
8. Capstone proposal development including abstract, project success criteria, supervisor selection, and Dos and Donts.
9. Capstone proposal (Research) including abstract, background, research methodology, project scope. Functional specifications/requirements including project code, internal advisor, external advisor if any, project manager, project team, and submission date. While, non-functional requirements are performance requirements, safety requirements, security requirements, user documentation.
10. Literature review-elaboration of problem. Appendices, references.

Recommended Texts

1. Hauhart, R. C., & Grahe, J. E. (2015). Designing and teaching undergraduate capstone courses. John Wiley & Sons.
2. Bemker, M., & Schreiner, B. (Eds.). (2016). The DNP degree & capstone project: A practical guide. DEStech Publications, Inc.
3. Ghafoor, A. (2016). *Manual for synopsis and thesis preparation*. Faisalabad, University of Agriculture Press.
4. Clear, T. (2009). Thinking Issues: the three p's of capstone project performance. ACM SIGCSE Bulletin, 41(2), 69-70.
5. Relevant latest literature on target issues.