CSCI 240 – Software Engineering

Group Assignment #2 – Project Proposal

Due September 19 (50 Points)

Write a project proposal. There is no specified way to write a project proposal, but in general it should contain some certain things and some things should come before others. In this paper write a couple of paragraphs on each of the following, in this order:

1. Diagnose a Problem: describe the problem domain, describe it clearly what kind of issues exist in the current practice that you would like to address. Be specific as you can and provide as many detail and examples as possible. Describe the problem domain and the problem that you are planning to solve. People usually make a mistake of describing at a very high level the problem; or too generic of a description, and then make a huge leap and dive deep into the tiny detail of their own solution. Start with a brief description of high-level context (few sentences or a paragraph), then describe some specific issues that you are interested in, then provide more specific details about the sub-issues that your work will tackle.

2. Prescribe a Treatment: How do you plan to solve this problem for me as your customer? What are you proposing to do to solve the problem and the issues you have identified? What kind of metrics are you going to use measure your success in achieving your objective? Discuss the business value of your proposed solution. Be as specific as possible in describing the envisioned benefits of your proposed solutions.

3. Describe a plan of work: Make a convincing case that you know how to achieve the proposed goal. Step-by-step, go into details about what needs to be accomplished, how long it will take, and how it relates to other parts. You cannot know all the details yet, because you haven't even started, but your plan should outline the main steps so that it is clear that you have a plan. Describe your team. What are their strengths and expertise of each team member? Describe why your team is adequate to tackle the problem.

There is no limit to the length of this paper, but keep in mind it should be thorough but concise. A customer, in this case me, will not want to read a novel about your computer science brilliance or the technical details of things they do not understand. The proposal is in part a sales letter.

Submit the paper in PDF format, with all your team member names on it, to Canvas.