ASSIGNMENTS – PROJECT MANAGEMENT

1. Visit three project management web sites. (a) List the web sites, the sponsors of the web sites, the project management tools described on each of them. Indicate what tools are common to all three sites. (b) Compare the three definitions of project management given on the three sites. (c) Compare the reason they give for the importance of project management.
2. Visit three web sites and report what they say about a particular project management tool. Be sure to provide a reference to the site.
3. Search the web for an article on some aspect of project management and read the article. Provide a reference to the web site and the article and a brief summary of one of the major points made in the article.
4. Search the web for a description of a seminar or short course on some aspect of project management. Provide a reference to the web site and indicate the objectives, intended audience, and the structure or format of the seminar.
5. Working as a team, construct a work breakdown structure for the projects listed below. Remember you are planning the project not completing it. This means that you should not work on the project itself but simply define the task that you need do to complete the project. Recall that the work breakdown structure is hierarchical.
    (a) Your team is charged with preparing a part of a program for a high school day at your department. Your group is to prepare a 30-minute activity that will present the student's view of the department to the visitors. You will have to deliver the activity several times during the day to different groups of visitors. The visit is one month from today.
    (b) Your team is charged with preparing a part of the program for the your department's industrial advisory board. This is a group of senior-level individuals in an assortment of companies who hire the department's graduates and support various activities in the department. Your group is to prepare a 30-minute activity that will present the student's view of the department to the visitors. The visit is one month from today.
    (c) Your team is charged with conducting an evaluation of your department's teaching laboratory and recommending changes. The evaluation should be based on data and involve a comparison to peer departments. The recommendation should include prioritization along with some measure of impact and the cost of implementing the recommendations. The report is due two months from today.
    (d) Your team is charged with conducting an evaluation of your department's computing network and recommending changes. The evaluation should be based on data and involve a comparison to peer departments. The recommendation should include prioritization along with some measure of impact and the cost of implementing the recommendations. The report is due two months from today.
    (e) Your team is charged with preparing a day-long program where practicing professional present a series of workshops on various professional skills. The visit is one month from today
6. Working as a team, construct a linear responsibility chart based on the work breakdown structure developed in Problem # 5.
7. Working as a team, construct an activity network based on the work breakdown structure developed in Problem # 5. Use it to define the critical path.
8. Working as a team, construct a Gantt chart based on the work breakdown structure developed in Problem # 5.
9. Working individually, construct a work breakdown structure for the projects listed below. Remember you are planning the project not completing it. This means that you should not work on the project itself but simply define the task that you need do to complete the project. Recall that the work breakdown structure is hierarchical.
    (a) You are part of a team of students charged with preparing part of a program for a high school day at your department. Your group is to prepare a 30-minute activity that will present the student's view of the department to the visitors. You will have to deliver the activity several times during the day to different groups of visitors. The visit is one month from today. Three of your classmates will work with you on the project.

(b) You are part of a team of students charged with preparing a part of the program for the your department's industrial advisory board. This is a group of senior-level individuals in an assortment of companies who hire the department's graduates and support various activities in the department. Your group is to prepare a 30-minute activity that will present the student's view of the department to the visitors. The visit is one month from today. Three of your classmates will work with you on the project.

(c) You are part of a team of students charged with conducting an evaluation of your department's teaching laboratory and recommending changes. The evaluation should be based on data and involve a comparison to peer departments. The recommendation should include prioritization along with some measure of impact and the cost of implementing the recommendations. The report is due two months from today. Three of your classmates will work with you on the project.

(d) You are part of a team of students charged with conducting an evaluation of your department's computing network and recommending changes. The evaluation should be based on data and involve a comparison to peer departments. The recommendation should include prioritization along with some measure of impact and the cost of implementing the recommendations. The report is due two months from today. Three of your classmates will work with you on the project

(e) You are part of a team of students charged with preparing a day-long program where practicing professional present a series of workshops on various professional skills. The visit is one month from today.   Three of your classmates will work with you on the project.

10. Working individually, construct a linear responsibility chart based on the work breakdown structure developed in Problem # 10.

11. Working individually, construct an activity network based on the work breakdown structure developed in Problem # 10. Use it to define the critical path.

12. Working individually, construct a Gantt chart on the work breakdown structure developed in Problem # 10.

13. Develop a plan for completing an assigned project related to the course content (e.g., an extended design, laboratory, or research project on some aspect of the course material). The plan should include (a) a work breakdown structure, (b) a linear responsibility chart, (c) an activity network (d) a Gantt chart, (e) a budget.