

Instituto Tecnológico de Costa Rica

Escuela de Computación

Administración de proyectos

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Laboratorio: Metrics

1. You have a project to be completed in 12 months and the cost of the project is \$100,000. Six months have passed and \$80,000 has been spent, but on closer review, you find that only 60% of the work has been completed so far. Find the Schedule Performance Index and deduce whether the project is behind or ahead of schedule. (15 pts)
2. You have a project to be completed in 12 months and the cost of the project is \$100,000. Six months have passed and \$80,000 has been spent, but on closer review, you find that only 60% of the work has been completed so far. Find the Cost Performance Index for this project and deduce whether you are under budget or over budget. (15 pts)
3. You have a project to be completed in 18 months and the cost of the project is \$520,000. Eight months have passed and \$200,000 has been spent, but on closer review, you find that 30% of the work has been completed so far. Find the Schedule Performance Index and deduce whether the project is behind or ahead of schedule. Find also the Cost Performance Index for this project and deduce whether you are under budget or over budget. (30 pts)
4. Describe a scenario where the indicators show a healthy project. (10 pts)
5. Describe a scenario where the indicators show a unhealthy project. (10 pts)
6. Describe in your own words the concept Schedule Variance. Give an example. (10 pts)
7. Describe in your own words the concept Cost Variance. Give an example. (10 pts)