

Answer Sheet

Lab: Case Study – Review a product concept

Overview:

In this case study, you will review a product concept with the goal of defining some activities that the product manager must perform. The product concept given below gives you a detailed description of the product. You need to make the product a reality. So, think about which activities the product manager needs to perform, who needs to be on the team, and how to create a RACI chart. You will also list the potential challenges that the product manager may face.

Note: A RACI chart is a popular and simple way to visualize how work is distributed among the different roles.

Product Concept: WonderMiner 3000

Overview: The WonderMiner 3000 is an advanced mining robot designed to streamline and optimize mining operations in a variety of industries. This innovative mining solution combines cutting-edge technology, efficiency, and sustainability to increase productivity and reduce environmental impact.

Key features:

- **Autonomous operation:** The WonderMiner 3000 operates autonomously, requiring less human intervention in hazardous or remote mining environments. Its advanced AI and sensor systems allow it to navigate complex terrain, adapt to changing conditions, and make decisions in real-time.

- **Multi-resource extraction:** This versatile mining robot is capable of extracting a wide range of valuable resources, from minerals and ores to rare metals and gemstones. Its adaptable toolset and interchangeable modules make it suitable for a variety of mining applications.
- **Efficient material processing:** The WonderMiner 3000 has onboard processing capabilities that allow it to crush, refine, and sort mined material directly at the mining site. This minimizes the need for additional transportation and processing equipment, saving time and resources.
- **Real-time data analysis:** Equipped with advanced sensors and data analysis tools, the robot continuously monitors geological data, raw material quality, and machine conditions. This data can be accessed in real-time, enabling efficient decision-making and optimization of mining operations.
- **Remote monitoring and control:** Operators can remotely monitor and control the WonderMiner 3000 from a central control center, increasing safety and operational efficiency. This remote control also enables 24/7 mining operations.
- **Guaranteed safety:** The WonderMiner 3000 prioritizes safety through advanced hazard detection systems and emergency protocols. It is able to detect and respond to risks such as gas leaks, unstable terrain, and equipment malfunctions to ensure operator and environmental safety.

Step 1 – Define the scope: Clearly define the scope of the project for which you need a RACI chart. Be specific about what needs to be accomplished.

Step 2 – Identify the key tasks/activities: List all the key tasks or activities associated with the project. These are the items you want to assign roles and responsibilities to.

Step 3 – List roles: Identify all roles or positions involved in the project or process. Common roles include project managers, team leaders, subject matter experts, and so on.

Step 4 – Fill in the RACI matrix: Assign one or more of the following labels to each task or activity:

- **R (Responsible):** The person or team responsible for completing the task.
- **A (Accountable):** The person ultimately responsible for the task and its success. There should only be one "A" per task.
- **C (Consulted):** Individuals or teams that need to provide input or expertise but are not responsible for completing the task.
- **I (Informed):** Individuals or teams that need to be kept

informed of the progress of the task but are not directly involved in the completion of the task.



Note: In the matrix below, feel free to add rows and columns to add more tasks and roles.

	Role 1	Role 2	Role 3	Role 4	Role 5	Role 6
Task 1						
Task 2						
Task 3						
Task 4						
Task 5						