

Electronic signature	IP address	Date Time
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Questions/Answers

Q 2) Provide a short summary of the concepts or topics you learned about today" (minimum 300 characters)

A 2) Robots see the world using cameras and sensors that collect information about their surroundings. With the help of AI and computers, they recognize objects, detect obstacles, make decisions, and take action. this allows them to move around and perform tasks independently.

Q 3) What is the most important concept(s) that you gained for today's Live Class? (minimum 300 characters)

A 3) 1. Sensors: Collect information about the robots surrounding using cameras, LIDAR, and RADAR. 2. Computer Vision: Helps robots recognize object, people, roads, and obstacles. 3. Artificial Intelligence: Enables robots to interpret information and make decisions. 4. Mapping and Localization: Helps robots understand their surroundings and determine their position. 5. Actuators: Enables robots to move, steer, brake, or manipulate objects. 6. Feedback Loop: Robots continuously sense their environment and adjust their actions accordingly. Key Concept: Robots use sensors to collect information, AI to interpret it, software to make decisions, and actuators to take action.

Q 4) How would you apply what you learn today to improve your life of work? (minimum 300 characters)

A 4) I can use this knowledge to explore robotics, develop simple projects that detect objects or obstacles and understand how self-driving cars operate. these concepts can also help me solve problems real-world problems using technology.

Q 5) Independent Research: AIU Live Classes are a starting point for further learning beyond the class. Search similar content either online or in the AIU online library and review it then share the name or link here. If its from AIU Library copy the Source or ISSN, [show me how?](#) (can be a video, academic publication, web site. lecture or book) (minimum 10 characters)

A 5) This research was done with CHAPGPT
