

Electronic signature	IP address	Date Time
J. Romeo Jimmy	192.168.100.99	9/25/2026 1:52:00 AM

Questions/Answers

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

A 2) Nonlinear control is a control theory that deals with systems that are control by nonlinear complex mathematical equations. Nonlinear control matters where we cannot predict system the environment. It offers precise control for unstable and complex environments. Nonlinear control is use in real world machinery, including robots, automated vehicle, motor control etc. There are three popular techniques of nonlinear control 1. Sliding mode control 2. Lyapunov based control 3.Backstepping control

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

A 3) 1. Techniques for applying nonlinear control 2. Definition of nonlinear control 3. Case-studies of nonlinear control 4. Application of nonlinear control 5. System stability after disturbance 6. Nonlinear control requires mathematical modeling 7. System feedback- measuring the system and feeding back innformation for error compensation.

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

A 4) I am going to include this in the curriculum at the apprenticeship training at ArcelorMittal-Liberia, I will compile a complete lecture note at diploma level. I will use control theory to teach automotive faults diagnosis. I will explain the concept and application of nonlinear control as relates to automotive engineering.

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) Yes, I will do that.