

**Text:** Automated control systems are essential in both industrial processes and smart electrical networks. The integration of smart sensors and PID controllers improves the stability and performance of chemical processes (Smith et al., 2017). In the field of electrical engineering, energy flow management in microgrids requires advanced control algorithms (Garcia, 2019). Moreover, predictive maintenance techniques based on data analysis can reduce production downtime and optimize equipment lifespan (Lee & Kim, 2020). The application of SCADA systems is also crucial for real-time monitoring and data collection in both fields (Martinez, 2018).

## Questions

1. Identify all the references cited in the text?
2. What reference format is used in this text?
3. Rewrite the text in IEEE format?
4. Match each reference to its type: book or journal article.

[1] J. Smith, L. Wang, and S. Patel, *PID Control and Smart Sensors in Chemical Processes*, Elsevier, 2017.

[2] P. Garcia, *Advanced Control Algorithms for Microgrids*, Springer, 2019.

[3] H. Lee and J. Kim, *Predictive Maintenance in Industrial Systems*, Wiley, 2020.

[4] R. Martinez, *SCADA Systems for Real-Time Monitoring*, Academic Press, 2018.

5. Create a full APA bibliography for the text.