

# Application of Artificial Intelligence in Mechanical Engineering

Prof. R. R. Gupta

Dr. Rajendra Gode Institute of Technology & Research, Amravati

**Abstract:** *With the development of computer technology, the application of artificial intelligence technology is more and more extensive. This paper summarizes the artificial intelligence technology, including its development process, composition. What's more, the concept of mechanical and electronic engineering is introduced and the relationship between mechanical and electronic engineering and artificial intelligence technology is analyzed. Finally, the development of artificial intelligence in mechanical fault diagnosis is summarized. Taking the fault diagnosis of hot forging press as an example to illustrate the specific application of artificial intelligence in mechanical engineering.*

**Keywords:** artificial intelligence, mechanical and electrical engineering, machine learning, neural network, fault diagnosis.

