Abstract-In this paper, we propose an approach Pattern Recognition neuro-fuzzy (RNF) statistical the diagnosis a system of production. The characteristics of the neuro-fuzzy approach for diagnosis industry are presented by combining the concepts of artificial neural networks (ANN) and those of logic Fuzzy (LF). The production system is chosen workshop sintering the SCIMAT, cement Ain Any "Batna".

Keywords - diagnostics, artificial neural networks, fuzzy logic, neuro-fuzzy pattern recognition.

REFERENCES
[8] D. Racoceanu "contribution to the monitoring systems production using the techniques of intelligence artificial "accreditation to supervise research, University Franche Comte de Besancon, 2006.