

5 (3) TABLE 1. The cost function was configured with $(VY - 0 : 01 + 0 : 950\% - 1)$ it set high at the start, then decreased with each repetition, mentioned here with h . Repetition was then performed for optimization. The global extreme rates E obtained by this algorithm are considered the optimal parameters for the SBGC-LSTM model. To avoid habit of usage smoking. The proposed method able to control the disease by taking these values and minimize the severity of disease using fuzzy rule-based system. The normal and abnormal values are provided below table 1. The table also shows its consequences.

D. FUZZY LOGIC AND FUZZY RULES In this phase, we discuss the use of fuzzy rules and the proposed multi-neural network in the classification process in detail. First, it explores fuzzy rules and justifications. Fuzzy logic, which contains a variety of data types, is used to handle the ambiguity of healthcare records. In fuzzy logic, language terms are utilized to help decide between the various types of records. The fuzzy rules are created by using the language words and distances from 0 to 1 for each term. In this study, trapezoidal fuzzy membership was used. The male patient described the severity of his symptoms using the language terms in Table 1. "Action-2." Here, the pain level of the supra-public is thought of as "Action-1." and "Action-3" because the seriousness of the experience is not known. In this study, five different methods of identifying a condition based on the amount of pain were examined [29]. Furthermore, the results for each object are not the same as the results for any other object. The fuzzy rules are fine-tuned by using fuzzification on the input factors. The prompted fuzzy rules can be used to determine the fuzzy set of the output.

3) CHD prevention system through diabetes DISEASE To maintain. Different parameter normal/ abnormal values and some effects in abnormal conditions.

| Parameter | Normal | Abnormal | Complications |
|----------------|--------------------|------------------------------|-------------------------------------|
| Glucose | 90-110 mg/dl | 140-200 mg/dl | Damage normal |
| Cholesterol | 140-150 mg/dl | increase the mg/dl | CHD risk percentage |
| BMI | 20-25 | Affects the daily activities | kg/m ² kg/m ² |
| Blood Pressure | 120/80 mmHg | 140/90 mmHg | Feill abnormal condition |
| Smoking | like and dizziness | stroke | Failure of lungs |
| pacemaker | pac/week | pac/week | and and its normal functionality |

$i = 1; 2; \dots; n$. $d = 1, 2$. the model having self-rep to estimate a probability of disease with outcome variables as a binary estimated in eq (25 and 26). The value of migration is expressed as #, which was obtained from the antennae of Eurygaster. were assigned. Subsequently.... . 26).