TABLE 1.The cost h was configure with (VY − 0 : 01 + 0 : 950%−1 it set high at the stant, then (3) 5 decreased with cach reputation, mentioned here with h. Reputation 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 discase by taking these values and minimise the severity of disease using fuzzy rule−based system. The noral 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 rulcs and the proposed multi−ncural network in the classilication process in detail. First, it explores fuzzy rules and justifications. Fuzzy logic, which contains a varicty of data types, is used to handle the ambiguity of healthcare records. In fuzzy logic, language terms are utilized to help dccide between the various types of records. The fuzzy rules are created by using the language words and distances from 0 to 1 for cach term. In this study. trapczoidal fuzzy mcmbership was used. The malc paticnt described the severity of his symptoms using the language temms in Table 1. ""Action−2." Here, the pain level of the supra−public is thought of as "Action−l." and ""Action−3" because the scriousness 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 cach 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 sct of the output. 3) chd prevention system through diabetes DiSEASe To maintain.Different parameter normal/ abnormal values and some effects in abnormal conditions.− Ba bra +aM (9) SNo Parameter Normal Abnormal Complications Glucose 90−110 140−200 Damage normal mg/di mg/dl functionality of organs Cholesterol 140 150 mg/dl l increase the mg/ll CHD risk percentage 30−35 20−25 BMI Afiects the daily kg/m2 kg/m2 activities Blood 120/80 140190 Feill abnormal condition Pressure mmHg mmHg like and dizziness stroke Smoking Falure of lugs pac/week pac/week and and its its normal functionality i= l; 2: ....n. d = 1, 2.the model having sell−repon to estimate a probability of disease with outcome variables as a binary estimated in cq (25 and 26).The value of migration is expressed as #, which was obtained from the antennae of Eurygaster.were assigned.Subsequently.... . .(26