**Business Case for Skin Disease Detection**

The dataset consists of information about 6 kinds of skin disorder.The details are as follows

the family history feature has the value 1 if any of these diseases has been observed in the family, and 0 otherwise.

The age feature simply represents the age of the patient.

Every other feature (clinical and histopathological) was given a degree in the range of 0 to 3.

Here, 0 indicates that the feature was not present, 3 indicates the largest amount possible, and 1, 2 indicate the relative intermediate values.

Number of Instances: 366

Number of Attributes: 34

Attribute Information: -- Complete attribute documentation: Clinical Attributes: (take values 0, 1, 2, 3, unless otherwise indicated)

1: erythema

2: scaling

3: definite borders

4: itching

5: koebner phenomenon

6: polygonal papules

7: follicular papules

8: oral mucosal involvement

9: knee and elbow involvement

10: scalp involvement

11: family history, (0 or 1) 34: Age (linear) Histopathological Attributes: (take values 0, 1, 2, 3)

12: melanin incontinence

13: eosinophils in the infiltrate

14: PNL infiltrate

15: fibrosis of the papillary dermis

16: exocytosis

17: acanthosis

18: hyperkeratosis

19: parakeratosis

20: clubbing of the rete ridges

21: elongation of the rete ridges

22: thinning of the suprapapillary epidermis

23: spongiform pustule

24: munro microabcess

25: focal hypergranulosis

26: disappearance of the granular layer

27: vacuolisation and damage of basal layer

28: spongiosis

29: saw-tooth appearance of retes

30: follicular horn plug

31: perifollicular parakeratosis

32: inflammatory monoluclear inflitrate

33: band-like infiltrate 8. Missing Attribute Values: 8 (in Age attribute). Distinguished with '?'.

Class Distribution: Database: Dermatology Class code: Class: Number of instances:

1 psoriasis 112

2 seboreic dermatitis 61

3 lichen planus 72

4 pityriasis rosea 49

5 cronic dermatitis 52

6 pityriasis rubra pilaris 20

Task:1 Determine which features is impacting for a particular skin disorder (for all classes)

Task2:-Create a machine learning model which will predict the disorder available.

Task:3:-Perform the EDA and show the trend of the disease.