2114123 Date
Lab-11
Principle Component analysis
input:
pataset $p = 2 21, 22, 2 where cach 2 ic Rd no. of principle components ctarget dimensions(R) where RSd$
output
Reduced dataset 7=2 Z1,22,ZNJ
eigen values and eigen voctors
Algorithm
Andres of state design and to
1. Standardize the 19ta
· compute the mean of caun
blature j=1,2,d
Company of the particular of the second of t
$N_{i} = 1 \sum_{N=1}^{N} x_{i} \cdot \hat{y}$
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 (1)
· SD compute
$\sigma_{j} = \int_{N} \frac{N}{(n-n)^{2}} dx_{inj} - u_{inj}^{2}$

