	Date <u>\</u> \	
Expt. No 6 Page No 15 Page No 15		
-	to clarify the ing defined. Point both correct and correct	
	prodiction. Tava tython milibrary classes as he wed for	
	this problem.	
*		
	from Sklearn dateset import land iris	
	from Sklearn neighbour Import KNeighbour Christier	
	from Sklearn metrics Import classification-report	
	indust unable of the	
	from Sklean model-selection 1-port hours-set-split	
	from SK/earn metrics import Confusion_matrix	
	from sklean metrices import accuracy - score	
	iris_dataset = lachiris()	
	print("In TRIS ECATURES / TARGET NAMES: In " itis dolaret, taget name)	
	for i in range (len (vris -dataset , fanget-names)):	
	prist("In [(0)]:[(1)]". Format (Piris_dalaset. larget_names[))	
	X-train, X-test, y-train, y-test = from test split (Iris_da taxet	
	data 1, iris dateset ("touget") readon state =0)	
	Chasifier = k Neighbors Chasifer (n_ neighbor = 8, p = 3, metric = enclidan))	
	classifier - Lut (x-train, y-train)	
	y-pred = classifier, predict (x-test)	
	cm= confusion -matrix (y-test-y-pred)	
	print (" Confusion - madrix 15 as Bollow In', cm)	
	Teacher's Signature	

	Date
Expt. No	Page No
print ('Acuracy metrices')	curacy-score (y-test, y-pred)
print (classification - report (y)	est, y-pred)
print (" excest prediction", ac	curacy-score (y-test, y-pred)
J. Marie Const.	11 - accurancy - Score (4-test, 7-prod)
	,
	,
	,
	Teacher's Signature

output IRI

FEATURE (TARGET NAMES

[Setosa], Versicular Virginica]

[0]: (setosa)

[1]: [Versicolor]

[2]: [Virginica]

K Neghbors Clasifier (algorithm = auto, leadsize = 30,

metric = e cludeas' metric parame Nove

N-jobs=Nove, ne neighbor = 8, P=3,

aseights= insiform')

Confusion matrix is as follow

[[13 0 0] [0 15 1] [0 0 9]

Accuracy metrices

accurany 0.97 0.97 0.97 38

Macro and 0.97 0.97 0.97 38

accurany

Correct prediction: 0-973684210523158 corong prediction: 0-026315-7894 7368418