Matplotlib module for Plotting in pyth (8/10/21) Student marks visualation in classroom Algorithm -Step 1 : start Step 2: Read the names, subjects Step3: Analyze Subject marks stipa: calculate marks of every studiet Step 5: Display Companission Step6: Stop Output

import match. Pyplot as plt. Student = ["Alie", "Bob", "Charlie", "Dovid", "Eve"] Joth = [85,70,90,60,75] reflect a Cathon exception Science = [78,88,95,67,75] of work of from to English = [82, 76,88, 72,84] if remain it is regaring x=range (len (students)) PIt-bar (x, math, width=0.25, lobel="math") PIt. bar (i+0.25 for i in x7, science, width =0.25, label=14) PIF. box ([i+0.00 for i'm x7, english, width=0.27, hatal="Brylong" PTE. xticks (1:to.2+ for i in x7. students) within PIt. x label ("students") Pitiylabel ("Marki") PIt. legend U. Plf. show()

TASK 10.2: AIM: To perform website Traffic over a week. Algorithm: Step 1 : start Step 2: Read the week days Step 3: Assume & meet visitors Calculate website Traffic over a week check and display plot line chart Step 6: End

import matphollib. Pyplot of Pit. days = ["mon", "tue", "wed", "Thu", "Fri", "sat, sun"] Visitori = [120, 150, 180, 90, 200, 300, 200] Plt. Plot (day, visitors, markers = "o", linestyle = "-", abour = blue") PH. xlabel ("Days of excet") Plf-globel ("Humber of visitors") PIt. title ("website Traffic over a week") PIt. grid (true) Pit. 8how () Output: 300 200 150

Days

fr:

import matplotlib. pyplot as plt Calegories: ["Electronice", "Fashlon", "Grownies", "Books"] Sales = [300,200,100,100] PIt. Pie (sales, labels = categories, autopet = " 1.1.17.4.7 Strartangle = 90, shadow = True PIt. fitle ("sales distribution by category") Plt-show() Step 6: En o

TASK 10-3:
AIM: To perform Sale's distribution in Company of
AIM: To perform Sale's distribution in Company of 4 Categories
Algorithm's
Step 1: start () top: man . with a sound
step 2: Read Calegories in Company
step 3: Check Percentage of Categories
Step 4: If Percentage one estegories then 90
Stept: Print sales distribution by Calegory.
Step 6 Display spercentage share and a rod sporter
Step7: Stop ("(wood) istrum 1/ (sep): yet a)
(" one of the fish the bits") white - teer
Jenetry ("stoken") har-
VELTECH VELTECH
EX No. PARCEGICA . 215
PERFORMANCE (S)  RESULT AND ANALYSIS (S)  VIVA VOCE (S)  RECORD (S)  TOTAL (20)
SIGN WITH BATE (20)
1 () 45.69 40 - 1.3113
RESULT Mence, matlabiplot-lib has been Executed
Succentully (1:1011)