

Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

and a glassical control of the second section of the second section of the second section of the second section sectio	months and decrease accompany of the control of the	AY: 2024-2	5
Class:	TE	Semester:	V
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Course Code:		Course Name:	DWM
	And an experience of the contract of the contract of the party of the contract	Name and Advantage of the Park	

Name of Student:	Sainath	Khot
Roll No. :	20	Property and the first of the control of the self-dependent and the
Assignment No.:	A	A control of the cont
Title of Assignment:	and the contract of the contra	
Date of Submission:	the administrative specific specific and the specific spe	
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Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	
Demonstrated Knowledge	3	
Legibility	2	
Total	10	

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty	:
C!	

Signature :

Date :

	DV	vM Assign	ment 4
[Q.	Points	and the second s	δ
	P	Que.	
	Pr	8	Secretario de la compansión de la compan
	P3	Ol considerant and considerant	
	Ph		
	Ps	8.5	
Solo		ikkan umilikan novamutan apunganon sain nis sagu-nisa kida kida kida sain sain kida kida kida kida kida kida k	
	P. P3 Ps an	Oure of	each duster Number
	of cluster K.	-	
	Initial duster	N = 3	
	(2 = P3 (9, 3)	(3=	Ps (8.3, 1)
and the first of the second	Eurliden dista	re formula	
	Dist [(x,y)	, (a, b) = L	$(x-a)^2 + (y-b)^2$
	Dist [(2.4)	a,3)) = 11	$\frac{(2-2)^2 + (4-4)^2}{2-91^2 + (4-3)^2} = 7.07$ $\frac{(2-3)^2 + (4-1)^2}{2-8\cdot5)^2 + (4-1)^2} = 7.15$
	P. (1,4) belongs to	dustr C	
	De la		
	P2 (8,2)		
en udgelenninge elde tildigen hav i være hende i været en der efter efter det en digte des mit gellenning.	Distance ((())	1,41)=/18.	$-\frac{1}{2}$ + $(2-4)^2$ 6.32
	nix ((8-12), (9	(3)) = / (8-	$(9)^2 + (2-3)^2 = 1.4$
	Dist ((8-12) 18	.5.)]: [[6-8-2) = + (5-1) = = -
	Pr (8-2) blongs	to dusan ()	

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(Sundaram)

P3 (9,3) Dist (93)(2.4) (2.6) (3-6)1 (3-6)1 Dis ((9.3) (1.3)): \((9-9)^2 \, (3-5) \) = 0 Dist ((9.3) (8.5,1)) - J(9-8.5)2 - (3-1)2 - 206 P3 (9,3) belongs to duty (2 Pa (1,5) Distance [(1,5) (2,4)] = J(1-2)2 + (5-4)2 = 1-1+14 Dist ((1,5), (9,5)): J(1-912+ (5-312 = 8.24 Dist ((9,5), (8.5, M) = \(\int(1-8.5)^2 + (5-1)^2 = 8.5 Pu (1,5) belongs to alnoth (1 Ps (8.5,1) Dist ((8.3)), (2,4)) = [(8-5-2)2 , (1-4)2 - 7.15 Did ((1, 5/, (9,3)) = J(1-9)2 + (5-3/2 = 8.29 Dist ((1,5), (8.5,1)) = [(1-8.5)2+(5-1)2 = 85 Ps (8.5, 1) belongs to about (3 After iteration 1 cluster (, = (P, (2,4), P4 (1,5/) dustry (1: [P3 (9,51) Justin (3 = (P1 (8,2), P5 (8.1,11) Iteration 2: Costra of new dusting Chustin ($\frac{211}{2}$ $\frac{4.15}{2}$ = $\frac{(1.5, 4.5)}{2}$

(Sundaram)

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log_V
      autor (1 (9.31)
      Chester (3: (8+8.5) 211): (8.25, 1.5)
      P. (2,4)
      Dist ((2.4) (1.5, 4.5)) = J(2-1.5) + (4-4.5)2 = 0.70
      Dist ((2,4)(9,5)): \[(2-9)^2 + (4-3)^2 = 200
      Dist ((2,4), (8.21,1.5)) = J(2-8.2), (4-1.5) = 673
      Pr (2, Si) belongs to dustr (
      (r,z)
       Dist [ [8,2), C1.5, 4.5)] - )(8-1.5)2+(7-4.5)2 = 6.96
      Dist (8,21, (9,3)) = J(8-912 + (2-5)2 = 1.41
      Dix ( (8.5), (8.5)) = (8-8.5) = -0.51
       P2 (8,2) belongs to aluster (3
       P3 (9,3)
       Dist [ (9,3), (1.5,4.5)] = \int (9.15)^2 + (3-45)^2 = 6.96
       Dist ( (9.3), (9.5)) = \sqrt{(9-9)^2 + (3-3)^2} = 0
       Dist ( (9,3) (8.11,1.5)) = J(9-8.25) + (3-1.5)= 1.67
        P3 (9,3) belongs to duster (2
        Pa (1.5)
        Dist ( (15) (15, G1-5) ) = [ (1-1-5)2 + (S-4-5)2 = 2
       Dist ( (1,5) (8.55, 1.1)) - [(1-8.3))2 + (5-1-2), -8.03
         Py (15) belonge to clushe C
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(Sundaram)
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Ps (8.5,1) Diss ((8-5, 1), (1-5, 4-5)) - 5(8-5-1-5) + 11-4-51 Dist [(8.5.1), (9.3)] = [(8.5-9)2+(1-5)2 - 200 Dist [(6.5, 1) + (8.25, 1.51] = J(8.58 - 8.25) + (1-1.5) - 0 Ps (85 1) belongs to dustre (3 Alta Undin 2 Closter C: (P. (2,4), Pr (1,5)) Austra (2: (Ps (9.31) Chron (3: (Pz (8,2), Ps (8),1)) itata (Company the dustries of iterain land interiors ituration 4, we find that Object down red name cluster anymore thus there he compatation at He K-man clusting has reached its stability and no more iteratine is needed so the final clusters are: Questine (1 = & P. (2,4), Pz. (1.5)3 Chota (1 = { P3 (9,3)3 alustra (3: 8 Pz (0,21, Ps & 8.5,1) > P (after last itorion FOR EDUCATIONAL USE

2	Crimer	\				Manifest and the second
3.	Crimer Obje	t		X	\ \ \	imilimantum untilipan kuton ma inizationida del relicioremente di sipa vista en c
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	1			3	7	delativature pro-unitariorensus studients terramismostratorioren (en constitución sinci
	2			4	9	
	3			9	6	
	4		1	8	S	
	5			<u> </u>	8	
	6			7	3	
	7			8	4	
	8			7	2	
	٩			Ц	S	
		<u> </u>	(4,9)	((8,4)	representative objects (2 (8,4)	C
i tuid	DC -	4	Cı		, , , ,	
	, i O		1 _	9	18-41+17-91=	6
0	8	7	4	9	13-41 17-91-	3
1	3	ク	4	9 9	13-41, 17-91-	
- 2	3 4	7		9		
1 2 3	3 4 9	7 9	4	9	13-4] 1 7-91-	3
1 2 3 4	3 4 9 8	7 9 6 5	4	9 9	13-4] 1 7-9 = 14-4] + 9-9 - 9-4] + 6-5 =	3
1 2 3 4 S	3 4 9	7 9	4 4 4	9 9	13-4] 1 7-9 = 14-9 + 9-9 - 19-4 + 16-5 = S-5 + (S-9 -	3
1 2 3 4	3 4 9 8	7 91 6 5 8	4 4 4 4	9 9 9	13-4] 1 7-9 = 14-9 + 9-9 - 9-4 + 6-9 = 5-5 + 5-9 - 5-4 + 18-9 =	3 8 8
1 2 3 4 5 6	3 4 9 8 5	7 9 6 5 8 3	4 4 4 4 4	9 9 9 9	13-4] 1 7-9 = 14-9 + 9-9 - 9-4 + 6-5 = 5-5 + 5-9 - 5-4 + 8-9 = 7-5+ + 3-4 =	3 8 8

(i) traile	\propto	1 5	(L	Dist / cost				
0	8	7	8 47	(8-81+17-5)	3			
1	3	7	6	(3-8) 1 17-41	8			
3	a	6	6 4	19-81+ 16-41	3			
4	6	2	8 4	18-81+ 15 91				
5	S	8	P	15-81+18-61	7			
6	?	3	8 4	17-81+13-41	2			
6	7	2	8 4	17-81+15-41	2			
Q	4	2	P G	14-11 + 15-41	5			
				L)			
	Camp	are a	so of use (a)	and was (1) for eyen				
	and	Selv	t the mining	num oni	9			
Stup 2	The	duste	r one					
	aust	n 1:	€ (3,7), (4	(9), (5,8), (4,5)				
	Christin	2 2 8	(8,7) (9,0	$((S_1S), (7,3), (8,5),$	(7.5) 7			
		Calculate total cost						
	TCO	et (x	() 2	1 xi - Ci	- \			
				in) (0.71) rost (18,9) (9				
	0	est (8	(8,5))	wet ((8,4), (7,3)), cost	((6,4), (7.5))			
				ost ([4,9)(5,01)				
		cost ((4,9), (4,5	115				
		-	_	(2,13,14)				
			3 + 1 + 2 + 2).	+ () + = 141				
	~	11)	9 20					
C	· .		()	man Line A				
Step 3	John	M 00	u of non-	me doi de	Montendida da mai nigra dini Salishi na pamada ana mangka sasankan pamaga an uningran samagaphar kina. ka 1 -			
			4 4	A service the service of the service				

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	lut	0 =	(8,3)	0	object (4)	
	Su	nou	midac	1 0	n (1(4,9) and 0'(0,	
				Annual Control of the	90 (0,	,)
geet (i)	α	5	() [']	Dist /cot	(
	8	7	8	5	18-01+17-51	
	3	7	8	5	13-01 + 12-3/	7
	9	6	8	5	19-31 + 16-5)	2.
	5	8	8	5	15-31 - (8-3)	6
	つ	3	δ	S	17-01+13-51	3
	8	4	δ	2	18-81+14-5	
	7	5	δ	S	17-501+15-5	boom
	4	5	8	S	14-81+15-21	5
(i) traidi	a	5_	<u> </u>		Dist / w	
U	8	7	4	9	[8-4] + [7-1]	3
3	3	7	4	9	13-41-17-9	8
	9	6	4	9	19-41+16-9	2
	5	8	4	9	15-41 + 18-9	9
~~~	7	3	4	9	17-41-13-9)	C .
 8	7	<u>5</u>	4	9	17-4) +  5-9	
9	4	5	4	9	19-41+ 15-9)	4
,						
	Can	Dare	n wst	0{	wsd ((1) toust (0')	enos (1)
			hu se			
	P	gun	viete 1	1-	choth	
				crykuwani yanganipulan niliunuwriti indoni		
	1					

duston 1 \( \( \( \) \), \( \) \( \), \( \) \( \), \( \) \( \), \( \) \( \), \( \) \( \), \( \), \( \) \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \), \( \

Dople

So cost of suppersy medord from (2 los 0);
S = arment 1071 cost - post 1.11 cost
: 11 - 20 = 2 20

So money o' would be a good idea

Now more duster again

Silvet one of non-mediad 0"

Let 0'-- (7,3) 1 c object 16/ So now midded are (1(9,9) & 0"(7,3)

Objust (1)	20	5	С,	Dist /cost	C
0	8	1 7	4 9	18-41+17-91	1,5
\	3	7	4 9	13-41+17-91	3
3	9	6	4 9	19-4/+ 16-91	X
9	8	5	4 9	18-41 + 18-41	7
5	5	8	4 9	15-41+18-91	2
7	8	4	49	18-41+14-91	9
3	7	5	9	17-41+ 15-01	7
ON	4	5	4 9	11,-41 + 18-91	6

The control of the state of the					and the second
	The second secon	er senet retarrengte bild interviolen group i son son annemente et d'interviolent antibilité son a	en e	Dist / rost	C
(Desta)		ingga da en la la prima de entre de la la prima en la constanta en la constanta en la constanta en la constanta en la co en la constanta en la constant		dientredicentreligieren entwicken vereig intercupation (in experience of the control of the cont	5
0	3		73	18-71 + 17-31	8
		?	7 3	13-71 4 17-31	er men vinneritätkaanterije en metar miljär en men an miljärikaanterija miljärikaanterija miljärikaanterija mi S
3	٩	6	7 3	[9-7] + [6-3]	3
4	8	5	7 3	18-71 + 15-31	and the same of th
5	5	8	7 3	15-71+18-31	contract to the territories are also in the contract of the co
7	4	4	7 3	14-713 19-3	2
8	7	5	7 3	17-71 2 15-31	5
9	4	5	7 3	14-01 15-31	
(4				general en la resista de displace como como como de del 100 MB de como como como como de la como de	
	Pagin	crock	the cluster		
					recognition and which describes the design of the describes a second of the second of
	Cluster	1; 2	(3,7) $(5,8)$	1 (9,51, 14, 9)	(23) 3
	artenl	2: 2	(8,7), (9,6)	(18/51 (16/4) (7,5	
	to the second se				
	General	total	cost = (3+2	244) 1 (5+5+3+2-	
	The second secon		= 4,	117 = 26	
7	on-processing and the second and the			11 1 5 m 0' TO 0'	6.14
	56 cm	J of	smopping m	edoid from 0' to 0'	
	+-			- past total ast	
	S =	26 - 1	8-8-0		
	Management of the state of the				