

Vidyavardhini's College of Engineering and Technology Department of Artificial Intelligence & Data Science

		AY: 2024-25	A control of accordance on the control of the contr
Class:	TE	Semester:	
Course Code:		Course Name:	Satats

Name of Student:	Sainath Khot	
Roll No. :	20	
Assignment No.:	4	
Title of Assignment:		
Date of Submission:		
Date of Correction:		

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	7 12	5		3-4	1-2
Demonstrated Knowledge Legibility		3		2	1
Legibility		2		1	0

Checked by

Name of Faculty

Signature

Date

Vidyavardhini's College of Engineering and Technology Vacalliance & Data Science Salad, 9 a)) f(x) dx:1 500 f(x) ex:1 S & Kait . e a dx =1 x'. e=x] = 1 { 2ex. e-x di. } =1 k & S 22.e-2 dn] -1 K[0+ (-2e-x), f(x)= } 1/2 22.81

P(XE3) = 5 f(a) da + 5 f(a) da

= 1 5 3 x.e. x dz

215 (-21e-x)3 = (-12e-x),3 + [-2e-x),3 }

01

= 1 (-12 = 3 22) - 1 [-17 - 0-04979 11) 0.571 Oc for a continuous vanden vorsidhe 5 f(x) dx =1 $\int_{-a}^{a} f(x) dx = \int_{-a}^{a} f(x) dx = 1$ i f(x)=1 $\frac{1}{100} = \frac{1}{100} = \frac{1}$: K 5" e-2 sin(x) :1 = k \ - e^x sin(x1) n + f = 2 (cos (x) dx) - K { [e-2 sas (x) } + [e-2 cox (2) d) } FOR EDUCATIONAL USE Sundaram

= KELerionx Dir - Jershalda JA Let 5' e' sinford du = 1 which were integral (I) = (e-1 +1) 0 - I 21 = e-a +1 I = e-R+1 : 5 e-2 (sink)) d2 = e-7.11 NN for K k. e-n 11 = 1 $\frac{K=2}{e^{-R}+1} \approx 1.917$: K=1.917

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