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	G. H. Raison College of Engineering & Management
	G. H. Raison College of Engineering 2 Management, - Waghoti Dune
ę	F.V. B. Tech
	WINTER TERM-2020 (ONLINE)
	VIIVIER TERMS 2020 CONLINE)
	Department: IT
0	Term Sertion: I Date & Enamination: 01/03/2021
,	Subject Name/Code: Foundation of Data Analytic (UCOL102)
	Poll No : C 70 Name: SWAYAH PRAMOD TERODE
	Registration Number:
20	Quistions:
C02	1.) Emplain Data Science in ditail.
,	
Auswor	Theories and techniques from many fulds and disciplines
	Theories and techniques from many fulds and disciplines are used to investigate and lunge amount of data is used
	to improve decision making.
7 1 = =	
,	Data Science practitioners apply machine having algorithms to numbers, text, etc to produce AI systems to perform tasks that humans usually do with high intelliques
	to numbers, text, etc to produce AI systems to perform
	tasks that humans usually do with high intellique
	l
	Data Science principle apply to all data irrespective if its
	lig or small.
1 2	
	Data Caence regiones flux stills ->
	Domain Expertise, Harbor Mindset, Visualization, Advanced
	Computing, Statistice, Math and Scientific approach to
	Domain Expertise, Harbor Mindset, Visualization, Advanced Computing, Statistics, Math, and Scientific approach to Problems.  Page No. 1   Signature Digitalization

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Col	2/0/:
20 1	2-) Tefine
· ¿)	Mean: The mean is the average or the most common value
,	in a collection of numbers. 46 is also suffered to as
	au expected value.
	m = Lun of the forme no-of forms.
	no-of forms.
(ii)	Median: The median is the middle number in a sorted,
	ascending or descending or A Statistical measure fleat
	ditermines the middle value of a dataset listed in
	ascending or discending value.
	Median $(x) = (x[n])$ if n is even.
	$\times \left[\frac{n-1}{2}\right] + \times \left[\frac{n+1}{2}\right]$ il mis odd.
	2 1 M 18 000.
/s=\	Undi. The interstances most brequestly in a datacet
(ĩũ)	Mode: The value fleat appears most frequently in a data sot.  A set of data may have on mode, more than one mode.
	A SCI O Cara Transfer
(02 1	3) Emplain data analysis inditail
	The process of enamining datasets to draw conducions about
1	flue information.
	Data analytic techniques enable you to the raw data and
	Data analythe techniques enable you tolte haw date and encover patterne to entract valuable insights from it
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	14 Consist of cleaning, transformation, modeling and quistioning data to find information.
	Type of data analysis:
1.	Tent analysis: This is also refored as Data mining. This
	Tent analysis: This is also refored as Data mining. This method discovers a pattern in large form data site using databases.
2.	Statistical analysis: This mainly involves graphical presentation and modeling of data
	Diagnoetie Analysis: This tells us the pattern of data.
4.	Dredictive analysée: This makes predictions upon the future outcomes band on data.
cai)	4) Write Chort note
<u>curj</u>	+) write should note
(i)	Quantitative Data Types
Y* a	Quantitative data type can be divided into two types:
	Discrete Data: This a kind data that consider of court
	Discrete Data: His a type of data that consists of counting Mumbers only and but cannot be measured. Like -> Weight.
-	like -> Weight!
¥	,

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	Continue Data: Continue Data is a datatype that wakes takes numeric values than can be meaningfully broken down into smaller units.
	takes numeric values than can be meaningfully broken
	down into smaller units.
	At can be measured.
(ii)	Qualitative Data types:
	Qualitative data types can be divided into two types.
(a)	Norminal Data: Nominal data is a classification of categorical wariables, that do not provide any quantitative value.
	categorical variables, that do not pravide any
	quantitative value.
(9)	Ordinal Data: Ordinal data is a type of qualifative data
	where the variables have natural, ordered Categories and
<u> 1</u> %,	Ordinal Data: Ordinal data is a type of qualitative data where the variables have natural, ordered Categories and distances between the categories are not known.
CQ 2	5) Describettu application of Data Science.
^	To a Dr. A. Asta Carre One
<u>Hulweri</u>	The application of data Science are:
	Airline Poute Planning, Speech Perognition, Internet Search, Healtoure, Frand and Risk Detection, Web Recomm
	Cearch, Heall care, Frank and Risk Detection, Web Recomm
	endative.
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