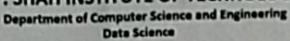


Department of Computer Science and Engineering
Data Science



Semester: Y Subject: SAIDS Academic Year: 2025 - 2024
Module 1: - Enployatory Data Analysis (1) Floments of Structural Data What is Data?
Mist is Dala?
Data is a collection of facts, such as numbers
Data is a collection of facts, such as numbers, words, measurements, observations or just description of things.
of things.
126 - 1 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Structured data is quantifative data in the form
Number and Values
Example: It includes names, dates, addresses, credit
Card numbers, stock information etc.
* Structured date is highly organized: * Data organised in Relational database Manageme System (RDBMS).
* Data organised in Relational database Manageme
System (RDBMS),
what is unstructured date?
Untillined data is qualitative data in the
Untrudund data is qualitative data in the form of tent-files, andio efiles, video files.
official - water the
Quartitative date is numerical information.
Crumbers).
Quantifative
Discrete Continuous.







Department of Computer Science and Engineering **Data Science**

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1	name	gender	dali	0 4.	Dezik, Male, 1951-07
2	Dezik	Male	1951/01/2		Dezik, Male , 1951-07-
3	Dezik	Male	12/01/29		Taygan, Male, 1951-0
4	Tsygan	Male	195/07/2		Lisa female, 1951-0
5	Lisa	Female	1951/01/		Chizhi k, Male, 1951-01
4	Chizik	Male	Psylocks		Carrier, macy to the
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Department of Computer Science and Engineering Data Science

Non-Reclargular Data Stru	it de la constant
dala dala etu	ulives besides reclangular
+ Time series data necon	ds successive measurements
of the same variable.	SHARE STORY
	, which are used in mapping
and location analytics ,	are more complex and
varied than neclangular	dala structures
	tation, the focus of the data
) and sti spatial coordinates.
* Graph data structure are	used to suppresent physical,
social and abstract ne	lationships:
	f a social network such as
Facebook or Linkeding m	ay represent connections between
people on the network.	some almost was a lost aby a le
Example for non-nectangul	
The data formal used for	
can be JSON, XML etc.	1 ad they great Pop astal
JSON	XML (MA)
1 "name": "Darth Vader,	Lnote
"species": "Human,	Afrom > Teacher (I from>
"homeworld": Tatooine",	Ltor Student- L/to>
"films":[Kheading > Almost theux / heading
"Revenge of the Sith",	Loody Iti the Jinal chapter Wb
" Return of the Jeals",	
3]	