Software Size
Software Size Estimation (Lecture -1)
The approaches — The approaches — Line of D Code
The approaches - Line of the
To measure size of (i) Token Count (Halstood Metric)
(not size in MB/GB) / (Count operator and operand
To measure size of (i) Toke in Count (Halshad Metric) The software (ii) Toke in Count (Halshad Metric) (not size in MB/GB) (iii) Toke in Count operator and operand
Company of the Compan
- Program Voabulary (No. of usique operators + spenand)
$\gamma = nl + n2$
- Program Length (No. of total """)
Do town of home
- Program Valure (Software Size)
V = Nlog 2n
(iii) Function Point Analysis (FPA)
· Standardized methodology · based on functionalities specified
measured from wen's por by the usen-
measured in function points
May 115 February
(a) Edentify Courting boundary
> borden between application and external off
with which my app communied es
- Durchas I I O
data knotion and complexity
· Internal Logical File: Sol of data within spoken
· External Logical File: Set of data within spoken External Internace File: Data to be sent to external apps
Ex: My data in a messaging app.
(c) Colertify external transactional function complexity

(1) r Calculating UFP (unadjusted function point) Multiplying by me and summing up (e) - Find Value Adjustment Fact (VAF) TD I= Weighted sum of 14 GISC/General system characteristic) (f) Adjust Luction point, AFP = UFPX VAF (Ans) > l torget, VAF = (TDIX0.01) + 0.065] Note: For each function, you need to first know to their type and complexity. Then sum up all the dunctions after multiplying by weight based on type and complexity multiplying by weight based on type and complexity Writing from 3rd pany - Extennal Intentace | Average | File File complexity Check the table to find score of this function 14 GSC anoted as no influence, incidental, molerate, average, significant, essential, for 0,1,2,3 4 and 5 reprotisely - Use: (i) How read on love of short to declarge o the same of the sa The man is not the second of

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CIN	7.0	-

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į. T	Wastern fall / Kshaped	lterrative	Spiral	Prototype	Som
Requirements	00	· Nostly Clean · Can change	· Unclean (Risky)	· Unclear	
Deliveny	Once	Many	Many	(but many proty ses)	Many
Documentation	Must (High)	Must (High)	Highen	of hereby.	Malinte
Planning	Detailed	tisked High			Maderale
Team	- Skilled	'Unskilled	\- <u>-</u>		Unskilled
Tech	Fixed	New, changing	New	Checks fearibility	
Feedbock	None	After Rtenation A	An protypes	Aten prodype (early)	every 1-2web
Disadvantages	→ Linear (cannot go bock)		or smallen teams	Many prohipes (time + eost)	
		defined modules		Lelivenz dates atten good protety pe	1
Alvantage	- 18 (Sales)		+ Lange project - th complex mag n		
ing heavy to the	of the same of the	man in a	tec	chocks choical feasibility carry ennon+ cture detection	
		The second of	-+5 12.0	varie cost by whates	4
· Shares	attended to the state of	Total Control of the A	make a state	X	