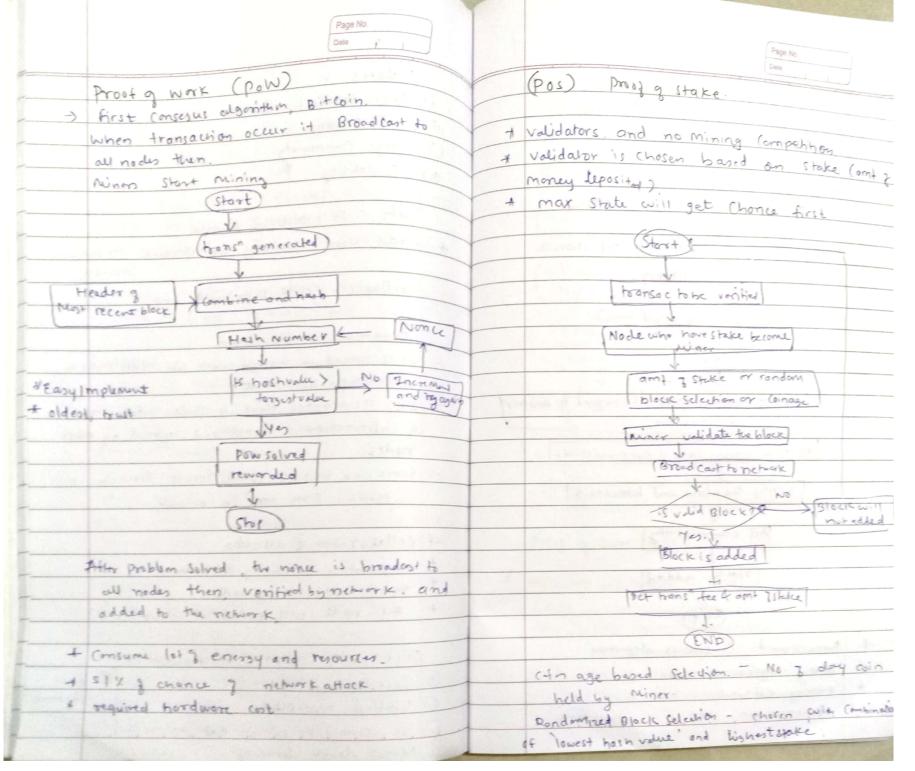
	Page No. Date		Page No. Date
	2001/02		Adv. Disadv.
	make transaction code	1	Scalable + less bansparent
4	Anyone can make bransaction Anyone can use open source code	1	efficient less dec-
	Disadvanta	K	access contro 1 offers
*	Bitton, Cladabilly ice		XoXXoX
	Aquantages		Bitcoin
*	No Intermediate + consume lot & energy	*	first Campbocure nay
+		*	Bitcoin is peer to peer payment network
*	Sewind	*	that operate on a cryphographic protocol.
			Currency - bitcoin.
	at a k chair	*	Currency - bittom.
110	private Blockchair central Inchange Accessibility - Single pronon central Inchange		
*	useful for Businesses.		How to use bitcoin
4	useful too Bush		apen account and wallet in Service provider
+	permissioned less Decentralized Less Decentralized		es. coinbase Bitcore, then genrate pkey.
*	All node can't make transaction All node can't make transaction		provatikey as password and public key as
+	All node can't make ,		account 10.
+	Eg Source & W CO		The state of the s
*			How we can early!
	Advantage Disadvantage		2 Mays.
	+ less decembralised	(1)	bitcoin exchange
+	Highly Scalable high speed of bunsaction * less Secured	(1)	runing,
*	high speed of issues		American Company of the Company of t
	(onsortium BlockChain		Tronsaction: Sending Money from one to another
-	II . II . b.li		
+	Hybrid q both. muliple organisation manage it.		Mining
7 1	permissamed		when transaction happen, it broadcast to
4	Selected member can make trons action.		all node, then task is to find hash
	and the west of the second	1 31-	Value for new block.
	Leitednotth reality	*	- in some difficulty lovel
		t	with uses nonce - a arbitrary 12 bit shing

	Page No.		Plage No. Date
			account -> EOA
	(HOCK + neace)		Smart Contact
- X N	colock + honce bruteforce and try & Combining	-	paper front and - Butthey etc.
4 (4/6	ack and nance than after ventral by		Back and Smartembrack - Soliding
ы	I the node is added to block chain and	1	Wilpser, Sworm,
a)	the need is now		computing platform.
6,00	iner remarded		
			Turing Complete:
+ val	me of Bittoin depend on demand & supply	Hery J	Market of colonial to
lesse	Harry Mary Mary Compart of the Compa		Hyperledger.
Adv	v. 9 Bitcoin.		By linux foundation.
4 8	fraud protection.	*	provide neutral, open source platform for
	need identify of sender and receiver		Businness transaction.
+ No	third party.	7	enterprise block chain
	rect bransfer.	7	Consorbum Blockchain.
-1 Eas	sy international transaction.	->	Enterprise need privary and speed balance
+ Sec	unity	7	It host many Enterprise project.
+ 310	ckchain Technology.	-)	Collaborative effort.
	The state of the s		fromework
2iQ	adv. 7 Bitain.	7.	Hyperledger fabric
D not	easy to understand common man.	The labor	develop blockchain app, product or Solution.
	owor in Black market and mininals.	L. Hali	private Scalaste
3) vo	lable price		Smart Contract -> Chaincode (Business logic
4) No	refund. if payment done		
30		2.	Sawtooth:
FH	hereum.		- Both private and public (POET)
+ oper	source Blockchain Platform, anyone		person of days from the special and
de	velop and deploy, OAPP.	3.	Indy, y. Burrow S. Cello, 6. anid.
4 pri	vate, public k main Ethereum network	100	Constitute of the second secon
1 no	need to create a new nework		Compared Sample
4 H P	ovide platform		

	Page No. Date		Page No.	
	T TA		fealures.	
J	Open source, decentralized, highly scalable	0		
-	Distributed ledger Technology (DLT)	()	Open Source - Built on JVM.	-
4	Distributed leager Raise		pota privary	-
,	JOT Solution.		large Community	-
1	IOTA used DAG (Directed acyclic graph)	(5)	Scalability. 1.	
J	Total ased Day Concord of Taph)			
+	IOTA protocol tangle offer functionality similar to blockchain,		Defi - Decentralised finance.	
	tunchonally similar is siechan,	*	Corda uses Notory as unique Consen	
			Service	Sus
	In DAG Nodes or vertiles are gardet or		CorDapps Corda pismbuted app	
THE !	and edge are Communication complete		pism build app	
	olw them.	1 335	Consensus in Blockchain.	
(1)	features.			
	JOTA is Scalable.	E disease of	It is procedure through which all nodes come	6
(5)	Feeless	dense.	a common agreement.	HCV
(3)	Flexible, public + private.		It guarantee that a state, value, or	2100
(5)	Quantum proof security		of intromanon is correct and general by	+2
(5)	Too minen in IOTA Newerk		110462.	
	ventication is done by node it can	-)	Some are best in speed, Secure, Somean !)
	uses variation agenthm and fire		public some are in private.	
	has to verify may two random transaction.	1	Collet	
	R3 corda.	+	Collaboration q all nodes.	
_	~3 wida.	+	Cooperative work by all nodes.	
->	private Block chain		The many to all made	
	am to build knowing of		All node will participant in voling.	
	Companies con participate to bring			
	MINITE IN THE STATE OF THE STAT	(A)	Objective q Consonsus Mechanism	
-)	Smart Contract Into business using	0	fair k equitable 5 face	
	Enterprise Blockchain	5	unified agreement Total	on'
		0	It reward or punish to node	
		W.	bevent double spending	



	Date			Page No
	A CONTRACTOR OF THE PARTY OF TH		proof of Activity (POA)	Distre
	recented in Pos.		POW+ POS.	& Espers Decret
+ new coin	is not generated in pos.			Decres
+ Miner car	get penalty abo		Stort	Coin
) energy- efficient attack	1	puzzle broadcost	
Adu. (2) Security - Sil. attack			
(2) secunty - 3"		Tologe was a	POW
d'	1 les vill get chance	Y	Puzzle clem and rewers	
asadu Cu	large stake will get chance	Y		
(2)	New technolosy.		I validates or chevsen	
	1,000		depend on stakes.	Pos.
POET C	proof 9 Elapsed time).			(103
(1.00			Validar sigo N for	Gerry)
	(Start)		block	
The second	V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	70.75	JY	
fando	m waiting time is assigned to buinter		Bluck added) +	Hall to be a land
	by nework			they was template
The nod	e whose time is over will do	1	A validations	Iwan Contain header an
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of the s	1	1	severel address of win
(Von	y the block and broad cast	-	(END)	I ride of the second
7-1-1-1	VARIATION AND AND AND AND AND AND AND AND AND AN	1		particular and a second
TA TA	u other venty		D	
	1	1	Prois & Burn (P.B)	The state of the s
	Bluck added	1	The size of the si	<u>'-</u>
The contract of	V Production of the second		The riner get chance of ru	nning by burning
	(End)		CON.	a thought the
y 6 1			Adv. (1) little power consun	
	Consensus algorithm.		(11) used for long to	my termination.
otteny sy	tem is used,	1 11	Disadu (1) required wealthy po	mu Rent
+ Energy ef	ricient	2009.39	(4) Slower Michanism.	Ascertage with the
1 Processor	an sleep in waiting time			, , , , , , , , , , , , ,

	Date	Page No.
	BFT (ayzantine fault toleronce).	The backup node received and venils. they agree regard then bonds
	consensus when	to Netwern
*	It is difficult to reach a consensus when Some nodes are dishonest or fail.	4. node chang state to prepared of
	Some hodes gre	4. node chang state to prepared state After getting Some result from 2m+1.
	By Zanhine General's problem	
	A Retocat or Attack	S. Block added
	+	Adv. (1) energy Efficien
		() fow Heward Vanana.
	Byzanhue fault toleronu (BFT) (msonsus	
>	distributed system must have 27 12 nonest	disade (1) work when small ho & nodes.
	Is out of 4 one is fail it doesn't matter	
->	Il out of 4 one is the	
	PB FT.	The base second of the
-	Vonguta BFT.	The Control of the Co
-)	vowhen ledder node fail then any one	
	from Secondary node become leader.	And the state of t
->	Max. Yard of the node may be malicious	The second of th
	working same and the same and t	
(1)	bons n. broadcast, leader selected based on	the state of the second of the
	Round Robin,	
7	the determination of the state	Kent described to the same
2)	leader prepares block proposal and brokenst	
	to the network and the state afters to preparepare	
	Diau.	