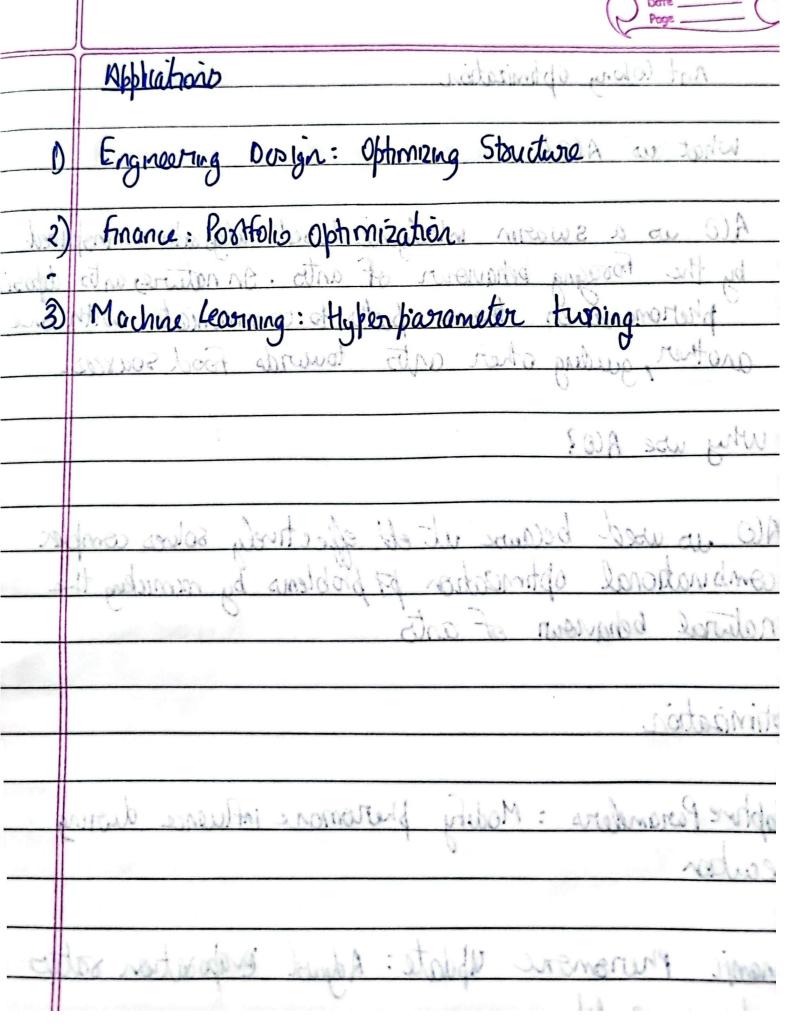
	Date
	Genetic Algorithms
	communication of the contract
	a population Of potential solutions which are each evaluated based on true effectiveness.
	a population of polential solutions which are each
	evaluated based on truor effectiveness.
	But he small is an algorithm report by the
11/10	Why is cenetic Algorithm and? took to have
	Genetic Algorithms are wied because they excel at solving complex optimization problems where traditional
	complex optimization problems where traditional
	nethodo may struggle particularly in large or
	nuthodo may struggle, particularly in large or
	Optimization is to removed beau when an RA
	registration as a solving conflex optimization
les /	Para retire Typica: Admint ken parametous elike population
	Parenetir Tuning: Adjust key parameters like population Size and mutation rates
	Adophie methodo: Dynomically modify parameters based on performance.
t. in	1) Percentus Techniques: Adjust Europe 312c and a
3)	Elitism: Preserve the best solutions across generations.
	2) Adaptive Ristantino Dynamically modely possenatorio
	Abbluations:
2/2	Delocate dismply of their speeds to avoid everable
1	Machine learning: Feature selection.
2)	Polotros: Control systems, path Finding.
~~~	FORMIOS. WITHOUT SUSTEMB , PRAVITINITING.
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1	TOTAL CONTROL OF THE PARTY OF T

	La Maria Mar
	Particle Swarm
A TILLIN	lease diche notice i alor la colo a ca le
-	what is PSO?
	Evaluated Sused on true affections.
	Particle Sweetin is on algorithm inspired by the
	Particle Swann is an algorithm inspired by the movement of bood blods or fish swanns. Each particle
	represents a botontial solution and moves through the
عدالالته	search space, adjusting its position based on its own
	Search space, adjusting its position based on its own boot exponence and the best position found by swarm.
	methods my sixual hanticularis in large on
	Why us PSO used? assage discuss recordings
	PSO up widely used becomes it is a simple cet
	powerful technique for solving complex optimization problems. It requires minimal parameter tuning and
	hoplems & It recurses minimal parameter tuning and
	does not depend on gradient information.
	THE STATE OF THE S
	gtmization Techniques: Manager a: abouture syndolf (s
	population of the
)\	Parameter Techniques: Adjust swaym 517e and wefficien
400	A Land And Comment of the Section of
2)	Adoptive Parameters: Gyramically moderly parameters
- 3	: ciodinUA
3)	Velocity damping: Limit speeds to avoid oversometing
	2) Madrie Resorry tradent substitute
	A STORAL AND LAND AND AND AND AND AND AND AND AND AND
	2) Robertos Cartas spicas puberciding-
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~	Ant Colony Optimization
	what w Aco? and warming in a grange it a
	All us a swarm intelligence-based algorithm insplied by the Foragra behaviour of ants. In nature, anto deposit phenomenon on their paths to communicate with one another, guiding other anto towards food sources.  Why use Alo?
	Alo us used because ut et effectively solves complex combinational optimization pt problems by mimicking the natural behaviour of ants
1)	Adoptive Parameters: Modify pheromone influence during execution
<b>a</b> )	Dynamic Phenomene Update: Adjust composation sates based on quality.
_3)	Hybrid Algorithm: Combine with other techniques.



	Applications described
1)	Pouting: Vehicle souting, Touvelling Sulesman Problem
a'	Scheduly: TobAShop schedulingat do longen - sense. A
	money auchow broad parabilition to rink abbreal
	Solither through "culto" solutions
	voly use auties sanch?
C43/	luber sown is used because it effectively add
13	complex opposization problems with its unique pland
Sec.	exploration and exploration strutureup instinct by no
	as a moder and more more was and
	Uphovii Zastan.
	Sugar Timus
	San Alla
	CONTRACTOR 24/1/50/A
	when the second

-	Cuckes Search
	what is aucker Second ?
	A nature - inspired optimization algorithm that minio access brood fariabilism to find optimal Solution through "cuckes" solutions.
	Why we wike search?
	Cuckes Second up used because at effectively address complex optimizations problems with its unque blend of exploration and exploitation structurgues inspired by natural
	Ophmization.
1)	Parameter Inna
2)	Adaptive Techniques Hybrid Approaches
3)	Hybrid Approaches
	Applications
3)	Eraneurua Doslan
a)	Engineering Design Maihire Learning
Ď	Finance



	arey WOIF ophnization
	MITTER A MONOCOMPEN DONO
	what us GWO?
	Maro as turtur
	A nature -usbired abouther mimicking the hunting
0	behaviour of green wolves. It wood their soual herarchy
+ ent-	A nature - inspired abouting mimicking the hunting behaviour of grey notions. It cases their soul herarchy to explore and exploit solutions through encircling and
.0	attacking stratergies contistum remover to 200
	why so GWO used?
	5 bow his a will
	We use the GWO because it effectively solves complex
	optimization problems through aits unique simulation of the
	Social and hunting benquairo of grey wolves.
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	optima, making at versalilo vor viorious helds
	Optimization
•	Ghanzaran
	Parameter Turning
<u>a)</u>	High Hybrid Approaches point resonance
3)	Load Balancing amenation sylfold
	3) through appropries
1	Applications
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3)	Data Mnng Game Derelopment Network Derign.
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	Maker barrier
	William Parish