Pooja

	Date: / /20
	the MO4 algorithm but affered much more assurance of data security.
•	1) The MDS message digest hasing algorithm  processes data in SI2-bit Strings broken down  into 16 words composed of 32 bits each the  output from MDS is a 128-bit message  digest value
	7] The digset size is colways 128 hits and thanks to hashing function guidelines a minose change in the input string generate a deastically different digest.
	8) This is essential to prevent similar has generation as much as possible also known as a hash collision.
	19) The MOS hash fun was originally des- loned for use as a secure cryptographic hash algorithm for authenticating digital singulates.
	used to generate a 128-bit digest from a string of any length it represents  the digest as 32-digit hexadesimal

numbers

Advantages of MDS AlgoEithm

- 1) It's easier to compare and Store smaller hases using mos Algorithm that it is to Store a large variable length text
- 2) By using mns passwoeds are steed in 128
  bit format.
- 3) A message digest can easily be created from an original message using mins.
- 4) A Edotively low memory footprint is necessary to integrate multiple services into the same frame work without a cpu overhead
- 5) Disadvantages of MD5
- @ when compared to other algorithm like the SHA algorithm MAS is comparatively slow
- 1 1t is possible to construct the same hash fun n feet two distinct inputs using mos.
- 3 MDS 15 less secure when computed to the SHA algorithm.