	Project No		
rom Page No	a della social prime della disensi tentra della de		
A force F	5 Conserv	ratine of and only	74 :
		particle's position ?	
b) For any +	(no points, h) full to 2 To to	ره ـر«
		1 and 2.	
DU UCF)- Generally U	$=-\omega$ $-\omega(r_{o})=-$	hen deduce a scale position such that The Fide to be zoo, so	
	170		

Thus, DT = W

and DT+DU=0

Call This DEmech where

To Page No

Witnessed & Understood by me.

Date

invented by

Date

Gradient AU=-SF.Z

Likewise, $\vec{F} = -\nabla U$ where $\nabla = g$ radiant

In Cartesian coord, $\nabla = -\frac{1}{2}\hat{x} - \frac{1}{2}\hat{y}\hat{y} - \frac{1}{2}\hat{z}$ マーくきょうり、き

The force is derivable from potential energy if F=DU.

Those to the first condition of a consumptione free,

F is only a function of parition

The second condition of a conservation force is that

12 F. d 15 pote independent.

This condition is the equivalent of DXF=0 = "corl of F"

It is defined