

## LEGE OF ENGINEERIN

## DETAILED LECTURE NOTES

Campus: Course:	Class/Section: Name of Subject:	Code:
Unit 5 - Robot	Fig.	
What in Rolloffer?	5	
· Branch of AI,	that helps theoly	the Creation
of intelligent exhibit	or machines.	
		uchanical
le combines frechies byginering cy cs and	l highering. , con	steuch on
and Appei cation	of Rollots.	
Aspects of Robotics		
Have Mechanieal designed to accomp	Constanction, for	rm, or shake
ales qued to accomp	eish a particular	r. fash,
· Have Machineal Con	sponents which po	weer hy
conterol tru Machin	recy,	
· Contains some level	of computer lenx	gram Strail
o bontains some level determines what, or	when and two a	Robert
dees Semething.		
J		Page No.

Date: .....

What in a Robot? Machinary that looks like a Human, and is capable of performing out of Box Actions and Replicating levelain Human movements automatically bevogramming. perogramming. ty: Drug lampennsling Robot, Antomobile molnstay Robots, Duoler Picking Robots, Ebe. theoleoines buginereing) Mechanical bregs herring Resign const mickon) (Operation Robots.



## POORNIVA COLLEGE OF ENGINEERING

## DETAILED LECTURE NOTES

	1	Date:
Campus: Course:	Class/Section: Name of Subject:	Code:
Name of Faculty:	Walle of Carry	
Components of Robots  · Power Supply; Robots  bear power, tey of  feneces.  · A Chrabars: Actualo  responsible for movi	randic., or pulling	that are
t of Magaline	I le helps to	astriul
Lystem og machine	o emilet.	elay
hours and movements	ny	(/ (/
sike flechuilal, he . Hectair molari: I	ydraulie and a	RA, Etc.
· Hectaic moleci. I	nest are the office	4 that
convert flectureal by	ergy into arechai	n'eal
energy and all	reginalist 1	Rotalional
motion of our main	mel o	
· Preumatic Air mu	iscles: l'enteract alu	rast 40%
When are is sucked	in them.	

Moscler wire: made up of wiehel - Blackum alley called Nitinal and are very thin in shape. It can also extend and contract when a specific amount of heat and electare ownerent; supplied virto I; t. - Also; it can be formed and bent into different thates when it is in its martensitic form.

They can contract by 57. when electaric oversent passes through them.

they are blechnical devices that receive an electric trignal and apply a directional force wherein trignal and apply a directional force to an opposing aramic flate, of helps a to an opposing aramic flate, of helps a holist to move in the descreed direction. Day are best smilest checkenical modern Jan are best smilest checkenical modern for modern Roberts.

Sursers: Perovides abstities like see, hear, touch and movement like Humans a sensors are the eleviers or machines which help to detat he eleviers or machines which help to detat he events or changes in the hivioriment and send events for computer perocessor. These devices are class to computer perocessor. These devices are usually equipped with ether Efectaonic elevices.