54 kmishnaray 87. BME (0iv.9) 21/11/71 EXPERIMENT -5 (A) Objetive: To study conveyor systems and Robot assisted Material systems. Thiony: A conveyor system is a common piece of mechanical pr handling equipment that moves! material from on plan to another. They are cong especially useful in applications expulally useful in applications involving movement of heavy or bulkey materials from one place to another They all have popular consumer applications they are ofth found in supermarket, aignosts etc. Advantages of conveyor existens: They can be lisked together with other machinery to become an integral component of a processing of a packaging line. They can safely transfer materials from one devel to another. Thy can be installed anywhere Satu than Joseph and Sedue labour (9) Rainbow

(3)	There are a variety of options avoidable for running conveying systems eq. Hydraulii eq. Hydraulii, Mechanical, fully automated
AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Design and Selection of Conveyor Systems
	We must consider and answer the following Variables
ED	What are the gods and objectives for processing (assembly line?
(2)	the What is the product that needs to be moved?
(3)	What is the weight size and packaging
4	what if the rate of prodution's for fu applications etc.
B	Industry application
	Conveyor systems are commonly used in many industries, including the mining, automotive agricultured, computer, electronic, food processing autospan, phoemazentical, chemical, bottling, and coming, print finishing and packaging
Rainbow	Authorge a wide voriety of material can be conveyed, the most common one

	include ford from such as beens and nuts, bottles and come, automotive components,
	skap metal, pills, vord, furniture, grains,
*	Latest Tecnols in conveyor Systems
	The emission of conveyous for flexible assembly lines.
(2)	Conveyors are continuing to play a greate gole is gobotic applications.
(F)	Robotic Material Handling and Tending
→	Robotic meterial handling and tending systems are common place in the industrial sector. Material handling Refers to sobotic arms moving production parts typically on or off a conveyor but on to had a part in place for production.
(#)	Advantague
<u></u>	The gright conveyor antid saves time money and efficiency. It will optimize your material handling systems and wantering operations.
(2)	It will allow for variable production sates and quick production changes · Programmarle logic controls (PLC) allow for this necessary direct system control.
ainbow	

(3) This centralised network oriented appearan
is best primed for automation and
This centrolised network oriented appearantly best primed for automation and attaining the numbers you need to their.
Emastphon manufacturing pocess.
omatiphon many acturing poices.
The smartphone industry is beautig
The smartphone industry is beauty dependent on Rebotic assistance in manufacturie
Parts needed to assume an intricate,
small and need pricise planment.
Delicate parts are handled by the Robotic Alms and chipsets are usually transported using specialised conveyor belts operated by
Aims and chipsels are usually transported
using specialised conveyor belts operated by
mators.
california de la companio della comp
(*) Conclusion
MARINE PARTY AND COUNTY OF THE PARTY OF THE
The working, advantages, disadvantages of
Robert assisted Automostis Conveyor systems
we studied and understood. This application
in softer smartphone industry was seen and
ag tudsed.
to While there can be an investment on the
to While they can be an investment on the
side of the Manufacturers, this meits
for enced the denerits is large scale
industry application.
Rainbow