

2	John J. Craig, 'Introduction to Robotics: Mechanics and Control', 3rd edition Pearson.
Reference Books	
1	R. K. Mittal, I. J. Nagrath, 'Robotics and Control', Tata McGraw Hill Education.
2	Robert J. Schilling, 'Fundamentals of Robotics Analysis & Control', PHI.
3	Fu. K.S, Gonzalez, R.C., Lee, C.S.G, "Robotics, control, sensing, Vision and Intelligence", McGraw Hill International, First edition.
ICT/MOOCs Reference	
1	https://www.youtube.com/watch?v=KY8-WjpvRdk
2	https://www.youtube.com/watch?v=7RKnr6XXPps
3	https://swayam.gov.in/nd1_noc19_me74/preview
4	http://www.nptelvideos.in/2012/12/robotics.html

Mapping of CO with PO and PSO:															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	0	3	2	0	0	1	0	1	0	0	1	3	1	0
CO2	2	2	0	2	1	0	0	0	1	0	2	1	2	2	1
CO3	3	1	1	0	3	2	0	1	0	0	0	2	1	3	3
CO4	2	1	2	0	2	0	0	2	0	0	2	1	2	1	0
CO5	3	2	3	2	3	3	1	1	1	1	1	3	2	2	2