S.No.	Group Numbers	Case Study Topics
	-	Analytical approach
01		of the inverse
		kinematic solutions
	1A	of 6-DOF Industrial
		Robots - A detailed
		case study.
		Structural
02	2A	description &
		functioning of NAO
		humanoid
		Robot - A detailed
		case study.
	ЗА	Structural
		description &
		functioning of a 4-
03		DOF SCARA
		Robot - A detailed
		case study.
		Estimation of
		inverse kinematics
0.4	43	of NAO humanoid
04	4A	robot
		- A detailed case
		study.
05		Estimation of
		forward kinematics
	5A	of KUKA KR5-arc
03		robot
		- A detailed case
		study.
		Structural
		description &
06	6A	functioning of a
00		BAXTAR Robot
		- A detailed case
		study.
	7A	Study of 2D forward
07		kinematics for an
		nR serial robot.
08	8A	Estimation of
		forward kinematics
		of BAXTAR robot - A
		detailed case
		study.
	9A	Mathematical
		modeling of 4-DOF
09		SCARA Robot - A
		detailed
		case study.

		Estimation of
10		inverse kinematics
	107	of BAXTAR robot - A
	10A	detailed case
		study.
11	11A	Structural
		description &
		functioning of a 6-
		DOF
		PUMA_560 Robot - A detailed case
		study.
12	12A	Anatomy study of humanoid robots.
		Study of Quaternion
13	13A	algebra kinematics
		& its Matlab
		implementation.
		Study of inverse kinematic solutions
14	1B	
		for 'n'-joint
		Planar Robot.
		Estimation of
	2в	forward kinematics
15		of NAO humanoid
		robot
		- A detailed case
		study.
		Structural
	3в	description &
16		functioning of a 6-
		DOF IRB_140 Robot - A detailed
		case study.  Estimation of
17	<b>4</b> B	inverse kinematics
		of KUKA KR5-arc
		robot
		- A detailed case
		study.  Qualitative study
18	5B	of the different
		types of Robot Arms
		and their specific
		applications.
19	6В	Mathematical
		modeling of 16-DOF
		Robot - A detailed
		case
		study.
		scuay.

		Mathematical
20		modeling of 3-DOF
		Articulated
	7B	Manipulator
		- A detailed case
		study.  Mathematical
21	8B	modeling of 6-DOF
		PUMA 560 Robot - A
		detailed case
		study.
22	9в	Performing the
		Jacobian approach to find the
		velocity
		kinematics in 3D.
	10B	Geometric approach
		of solving the inverse kinematics
2.2		
23		of
		PUMA_560 robot - A detailed case
		study.
	11B	Comparative study
		of relative pose estimation of a
0.4		
24		random object in 2D
		& 3D space - A detailed case
		study.
	12B	Analytical approach of the inverse
25		kinematic solutions
26		of 4-DOF SCARA
		Robot - A detailed
		case study.
	13B	Mathematical
		modeling of 4-DOF
		Robot - A detailed
		case
		study.