



Department of Mechanical Engineering

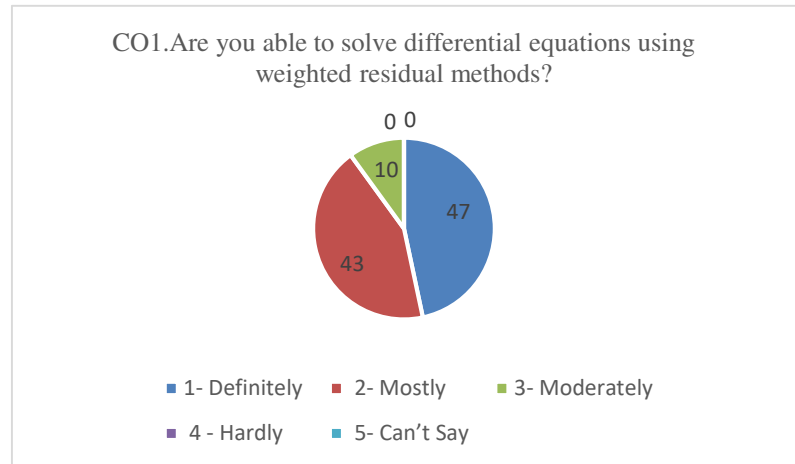
Academic Year: 2020-21

Course Exit Analysis Report (Sem V)

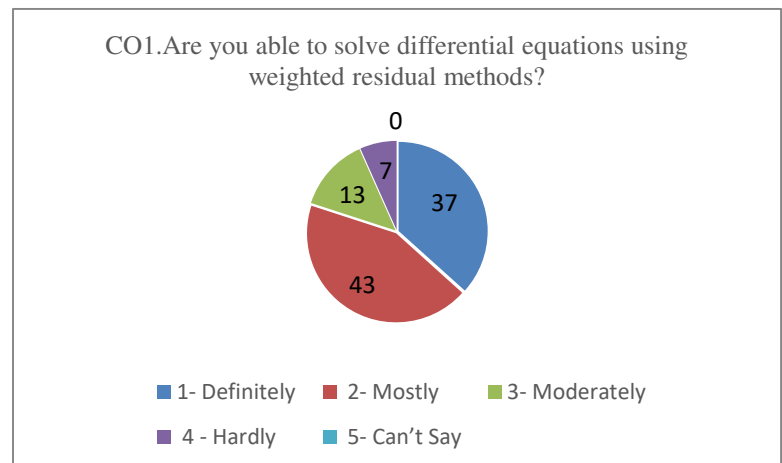
Subject – FEA

Subject Teacher –Prof. Amol Bhagat

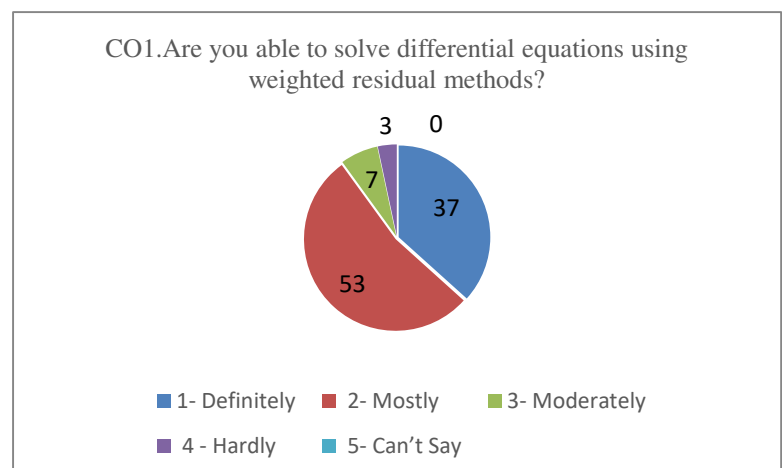
Score	No. of Students	Percentage (%)
1- Definitely	14	47
2- Mostly	13	43
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100



Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	4	13
4 - Hardly	2	7
5- Can't Say	0	0
Total	30	100



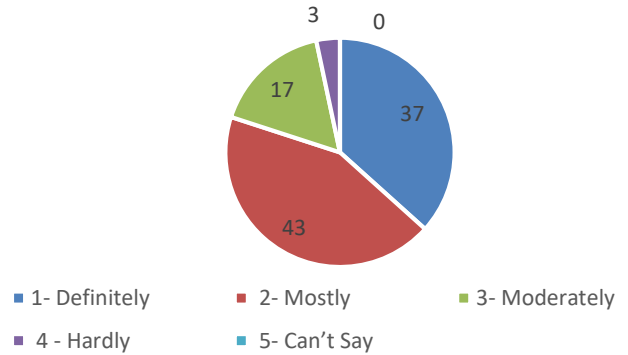
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	2	7
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100





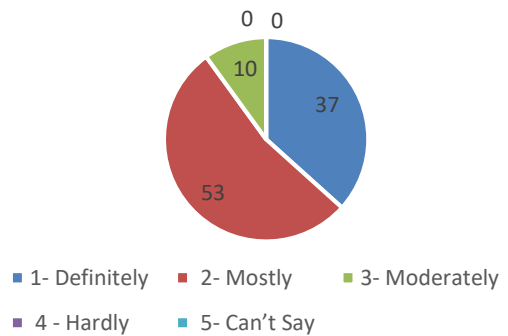
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO4.Are you able to apply the basic finite element formulation techniques to solve engineering problems by using two dimensional elements?



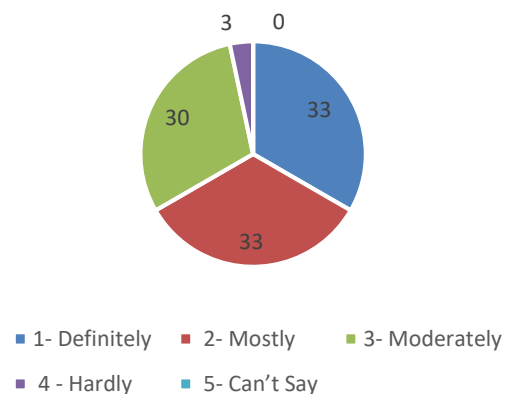
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO5.Are you able to apply the basic finite element formulation techniques to find natural frequency of single degree of vibration system?



Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6.Are you able to use commercial FEA software, to solve problems related to mechanical engineering?





Department of Mechanical Engineering

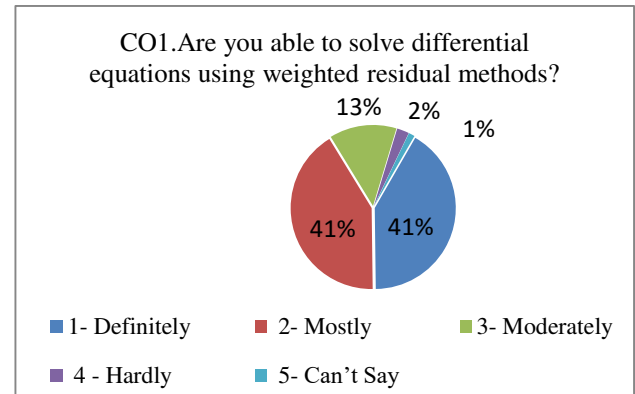
Academic Year: 2020-21

Course Exit Analysis Report (Sem V)

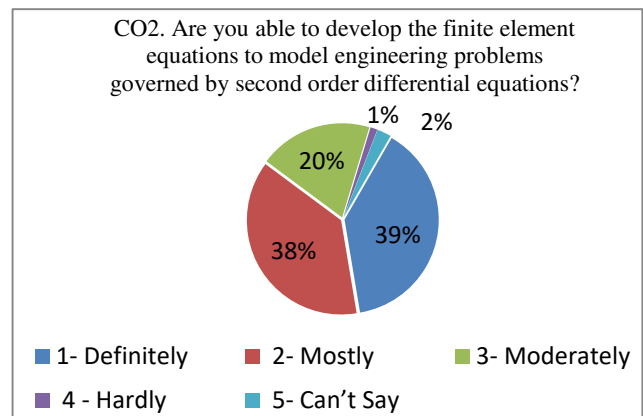
Subject – FEA

Subject Teacher –Prof. Nidhi Singh

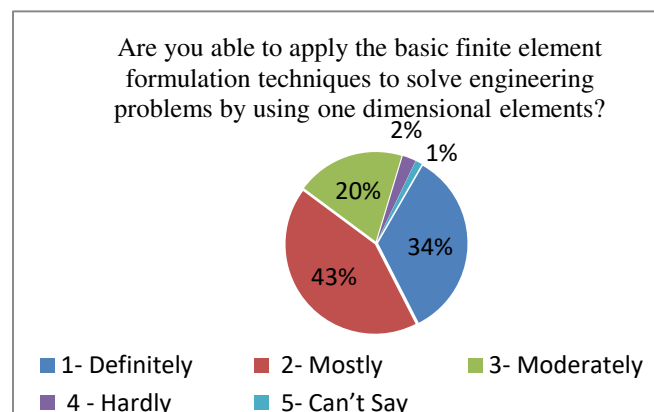
Score	No. of Students	Percentage (%)
1- Definitely	34	41
2- Mostly	34	41
3- Moderately	11	13
4 - Hardly	2	2
5- Can't Say	1	1
Total	82	100



Score	No. of Students	Percentage (%)
1- Definitely	32	39
2- Mostly	31	38
3- Moderately	16	20
4 - Hardly	1	1
5- Can't Say	2	2
Total	82	100



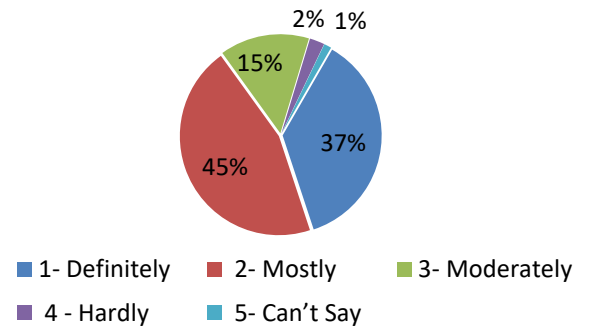
Score	No. of Students	Percentage (%)
1- Definitely	28	34
2- Mostly	35	43
3- Moderately	16	20
4 - Hardly	2	2
5- Can't Say	1	1
Total	82	100





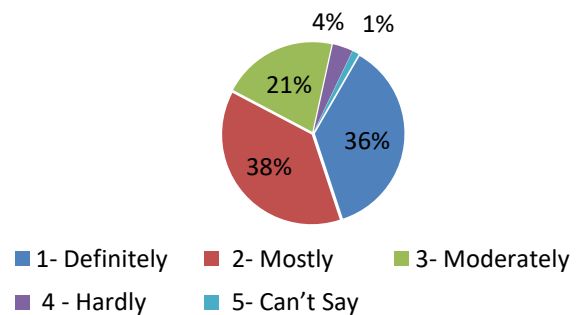
Score	No. of Students	Percentage (%)
1- Definitely	30	37
2- Mostly	37	45
3- Moderately	12	15
4 - Hardly	2	2
5- Can't Say	1	1
Total	82	100

CO4.Are you able to apply the basic finite element formulation techniques to solve engineering problems by using two dimensional elements?



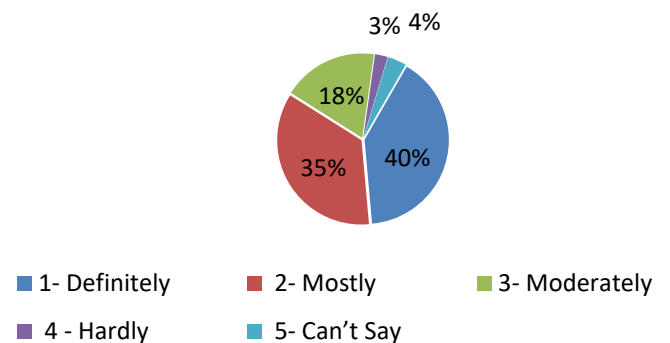
Score	No. of Students	Percentage (%)
1- Definitely	30	37
2- Mostly	31	38
3- Moderately	17	21
4 - Hardly	3	4
5- Can't Say	1	1
Total	82	100

CO5.Are you able to apply the basic finite element formulation techniques to find natural frequency of single degree of vibration system?



Score	No. of Students	Percentage (%)
1- Definitely	33	40
2- Mostly	29	35
3- Moderately	15	18
4 - Hardly	2	2
5- Can't Say	3	4
Total	82	100

CO6.Are you able to use commercial FEA software, to solve problems related to mechanical engineering?





Department of Mechanical Engineering

Academic Year: 2020-2021(EVEN SEM)

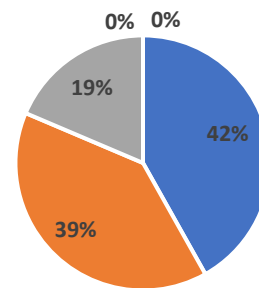
Course Exit Analysis Report (Sem VII)

Subject: MD1

Subject In-charge: Prof. D. BAVISKAR

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

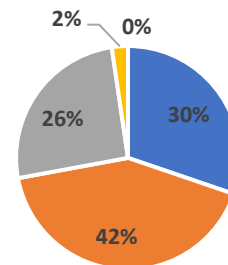
CO 1: Are you able to illustrate basic principles of machine design.



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

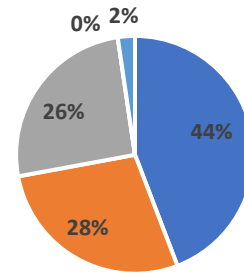
CO 2: Have you understood concept of curved beam and thick cylinder and will you be able to design machine elements of curved beam .



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

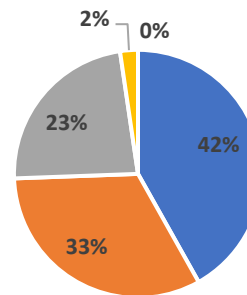
CO 3: Are you be able to Design machine elements for static dynamic loading, for ex. knuckle joint cotter joint etc. .



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

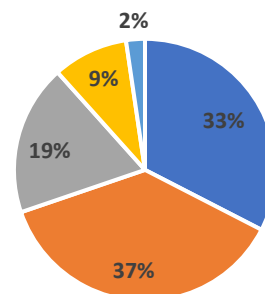
CO 4: Are you be able to Design machine elements for dynamic loading



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

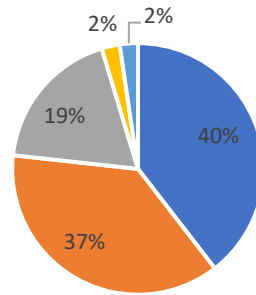
CO 5: Are you able to Use design data books in designing shaft, keys and coupling



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO 6: Are you able to Use design data books in designing springs.



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely



Department of Mechanical Engineering

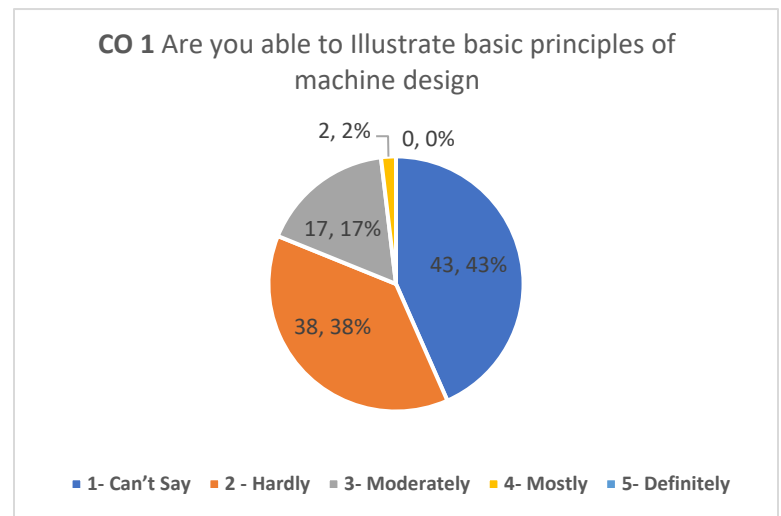
Academic Year: 2020-2021(EVEN SEM)

Course Exit Analysis Report (Sem VI)

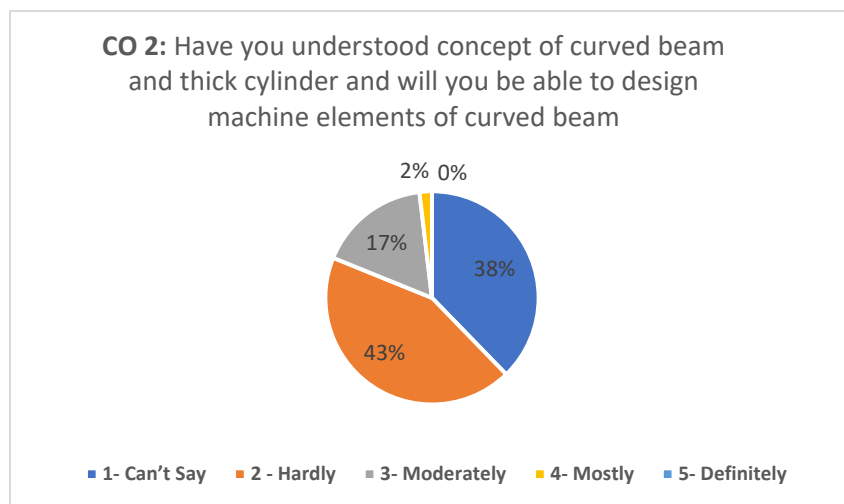
Subject: MD1

Subject In-charge: Prof. PRAMOD MAURYA

Score	No. of Students	Percentage (%)
1- Can't Say	23	43
2 - Hardly	20	38
3- Moderately	9	17
4- Mostly	1	2
5- Definitely	0	0
Total	53	100

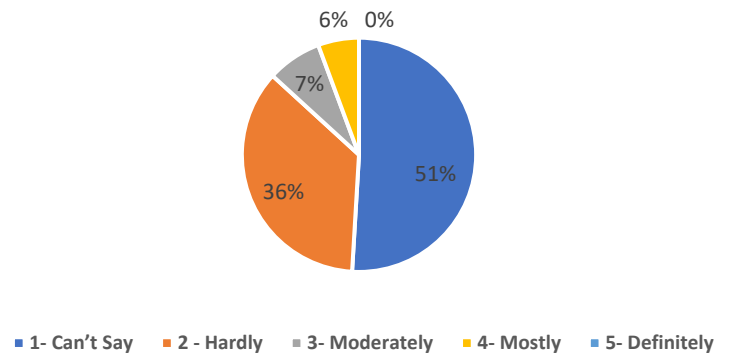


Score	No. of Students	Percentage (%)
1- Can't Say	20	38
2 - Hardly	23	43
3- Moderately	9	17
4- Mostly	1	2
5- Definitely	0	0
Total	53	100



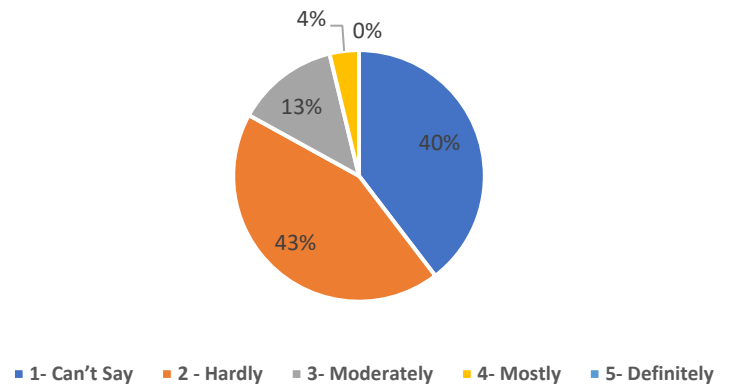
Score	No. of Students	Percentage (%)
1- Can't Say	27	51
2 - Hardly	19	36
3- Moderately	4	8
4- Mostly	3	6
5- Definitely	0	0
Total	53	100

CO 3: Are you be able to Design machine elements for static dynamic loading, for ex. knuckle joint cotter joint etc.



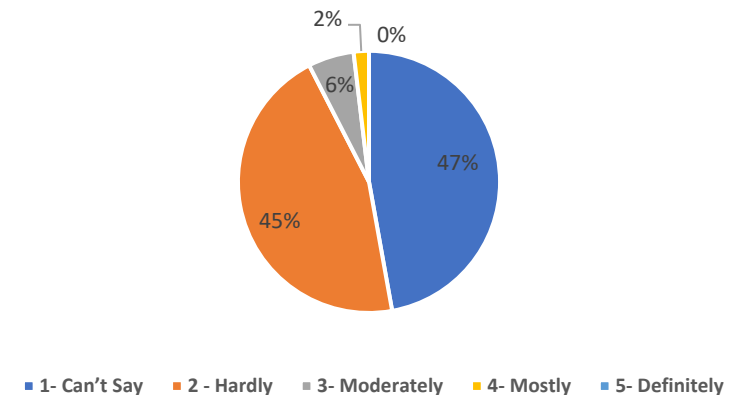
Score	No. of Students	Percentage (%)
1- Can't Say	21	40
2 - Hardly	23	43
3- Moderately	7	13
4- Mostly	2	4
5- Definitely	0	0
Total	53	100

CO 4'; Are you be able to Design machine elements for dynamic loading



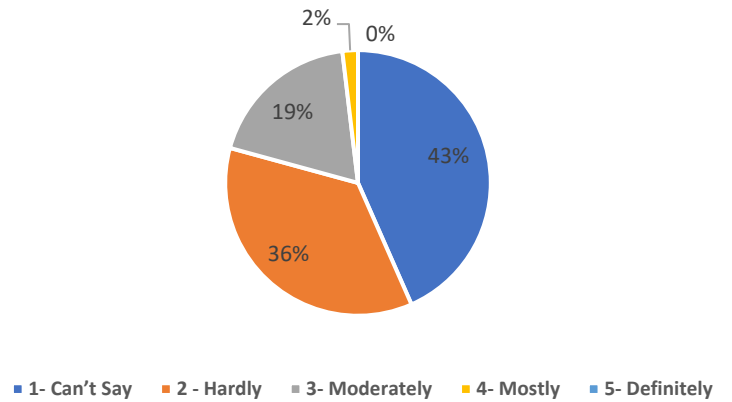
Score	No. of Students	Percentage (%)
1- Can't Say	25	47
2 - Hardly	24	45
3- Moderately	3	6
4- Mostly	1	2
5- Definitely	0	0
Total	53	100

CO 5: Are you able to Use design data books in designing shaft, keys and coupling



Score	No. of Students	Percentage (%)
1- Can't Say	23	43
2 - Hardly	19	36
3- Moderately	10	19
4- Mostly	1	2
5- Definitely	0	0
Total	53	100

CO 6: Are you able to Use design data books in designing springs.





Department of Mechanical Engineering

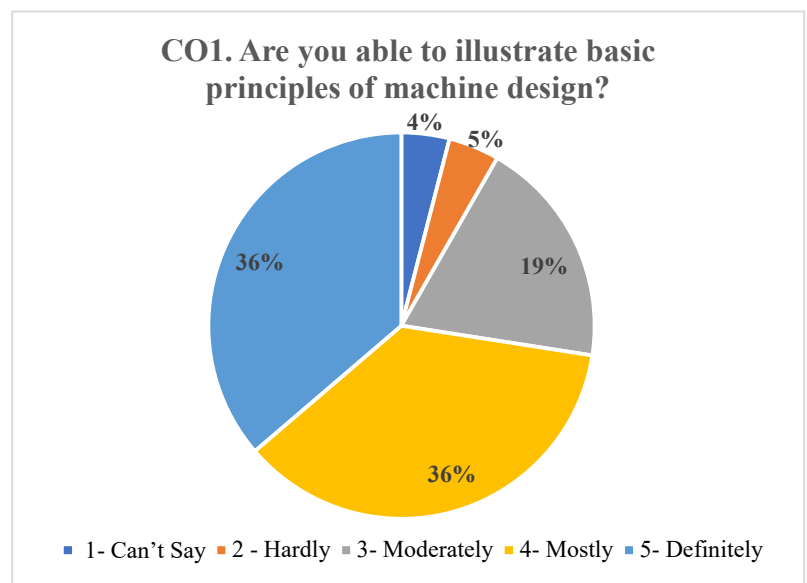
Academic Year: 2020-2021(EVEN SEM)

Course Exit Analysis Report (Sem VI)

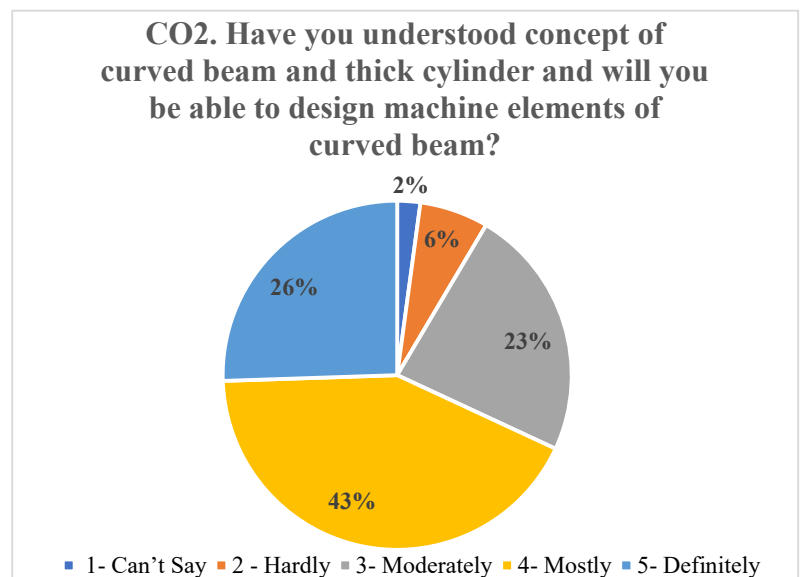
Subject: Machine Design- I

Subject In-charge: Prof. Mugdha Dongre

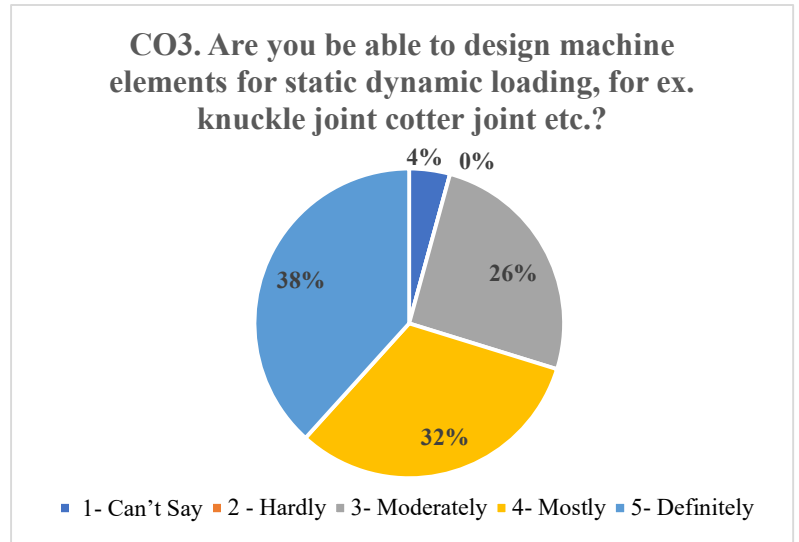
Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	2	4
3- Moderately	9	19
4- Mostly	17	36
5- Definitely	17	36
Total	47	100



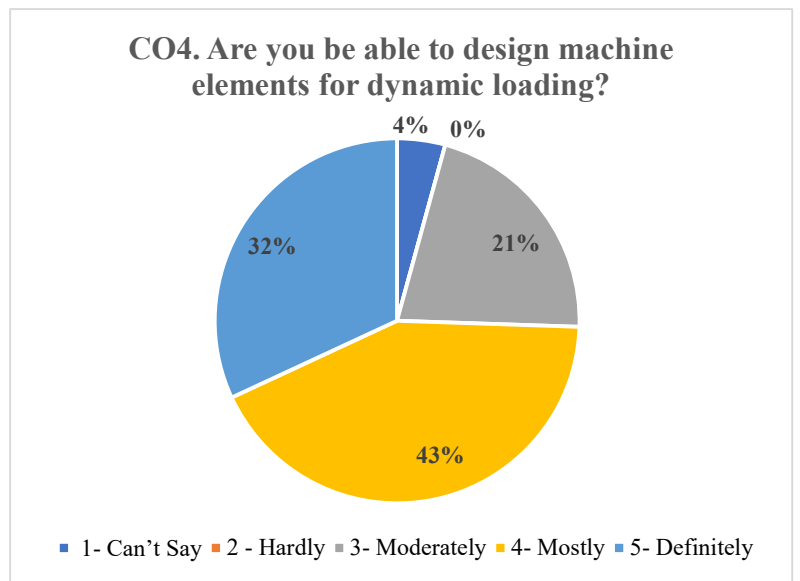
Score	No. of Students	Percentage (%)
1- Can't Say	1	2
2 - Hardly	3	6
3- Moderately	11	23
4- Mostly	20	43
5- Definitely	12	26
Total	47	100



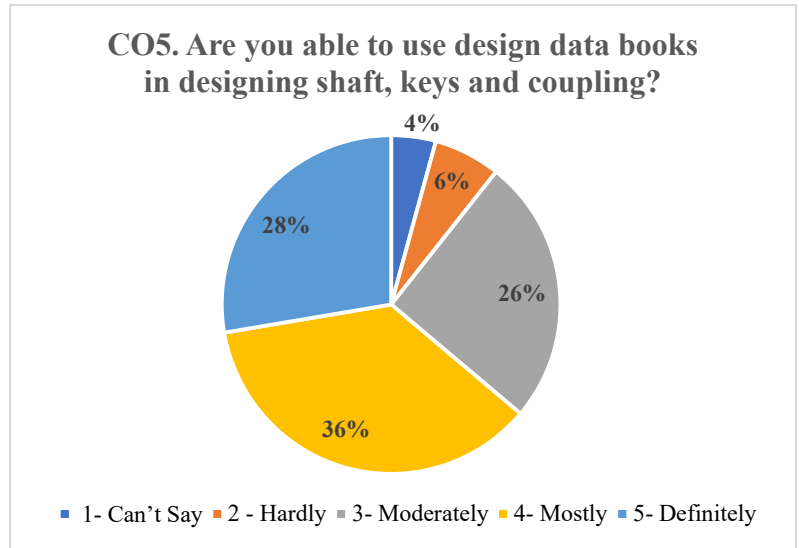
Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	0	0
3- Moderately	12	26
4- Mostly	15	32
5- Definitely	18	38
Total	47	100



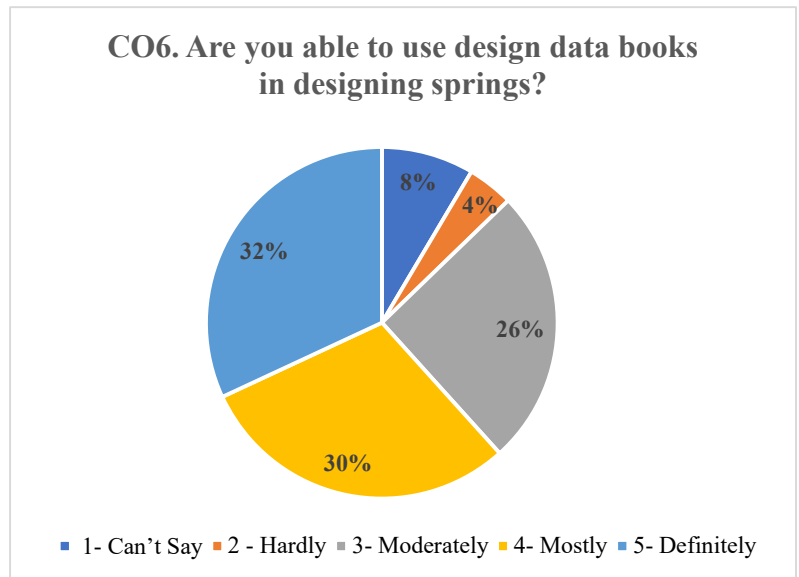
Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	0	0
3- Moderately	10	21
4- Mostly	20	43
5- Definitely	15	32
Total	47	100



Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	3	6
3- Moderately	12	26
4- Mostly	17	36
5- Definitely	13	28
Total	47	100



Score	No. of Students	Percentage (%)
1- Can't Say	4	9
2 - Hardly	2	4
3- Moderately	12	26
4- Mostly	14	30
5- Definitely	15	32
Total	47	100





Department of Mechanical Engineering

Academic Year: 2020-2021(EVEN SEM)

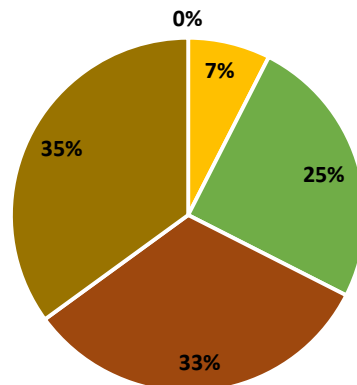
Course Exit Analysis Report (Sem VI)

Subject: Metrology & Quality Engineering (MQE)

Subject In-charge: Prof. Mugdha Dongre

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	7
3- Moderately	10	25
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

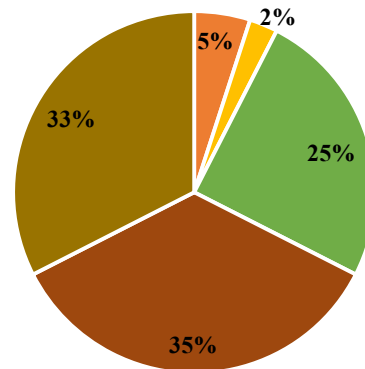
CO1. Are you able to demonstrate Inspection Methods and different Gauges?



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	2	5
2 - Hardly	1	2
3- Moderately	10	25
4- Mostly	14	35
5- Definitely	13	33
Total	40	100

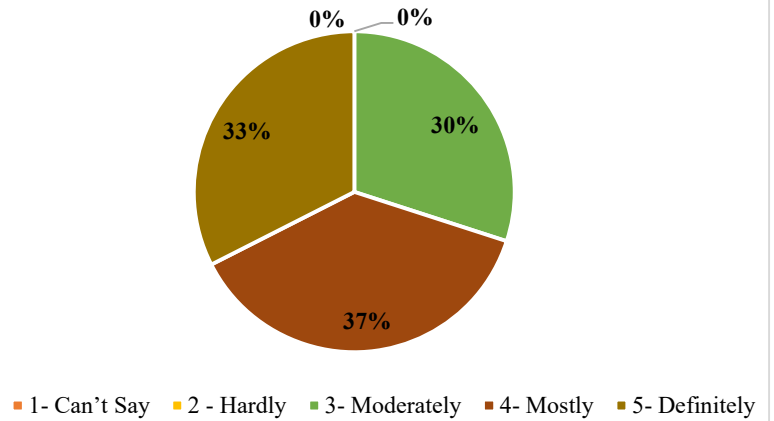
CO2. Are you able to elaborate working principle of Measuring Instruments and Calibration Methodology?



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

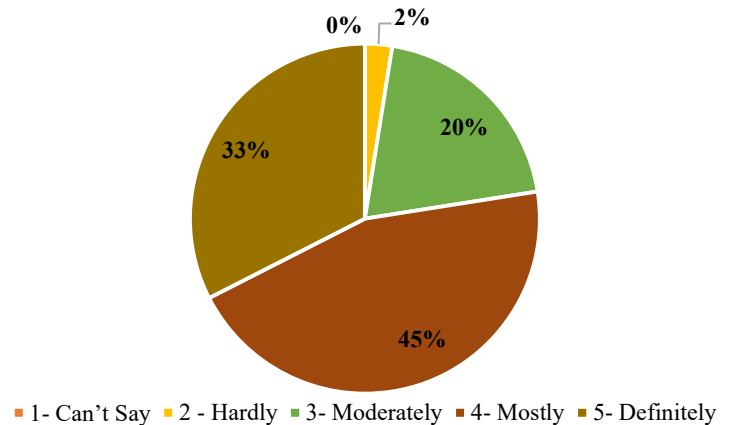
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	30
4- Mostly	15	38
5- Definitely	13	33
Total	40	100

CO3. Are you able demonstrate characteristics of Screw Threads, Gear Profile and Tool Profile?



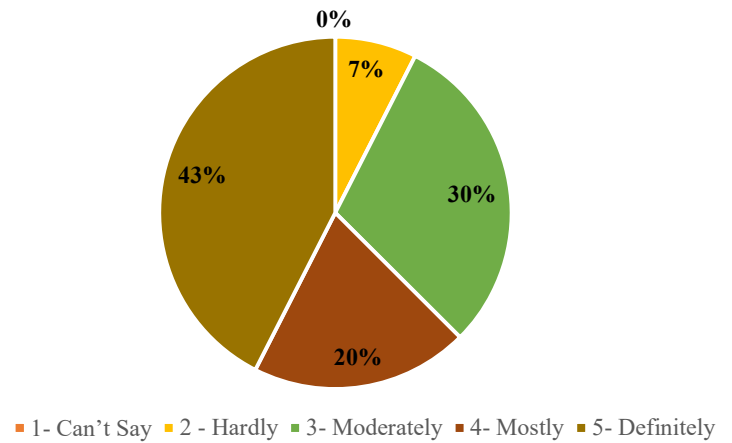
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	3
3- Moderately	8	20
4- Mostly	18	45
5- Definitely	13	33
Total	40	100

CO4. Are you able illustrate basic concepts and Statistical Methods in quality engineering?



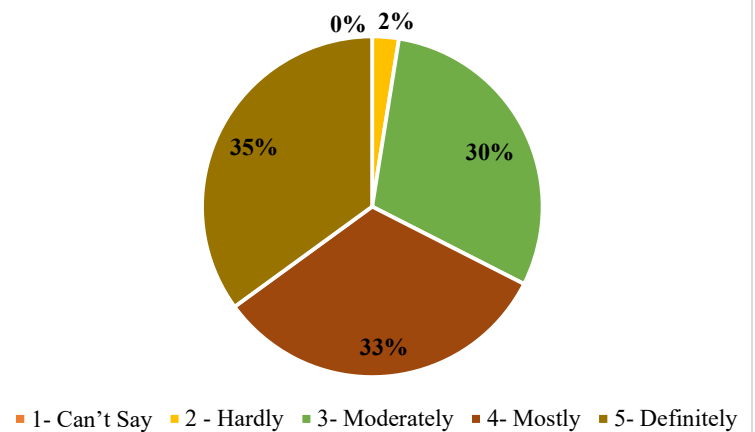
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	8
3- Moderately	12	30
4- Mostly	8	20
5- Definitely	17	43
Total	40	100

CO5. Are you able to elaborate different Sampling Techniques in quality control?



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	3
3- Moderately	12	30
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO6. Are you able to illustrate different Non-Destructive Techniques used for quality evaluation?





Department of Mechanical Engineering

Academic Year: 2020-2021 (EVEN SEM)

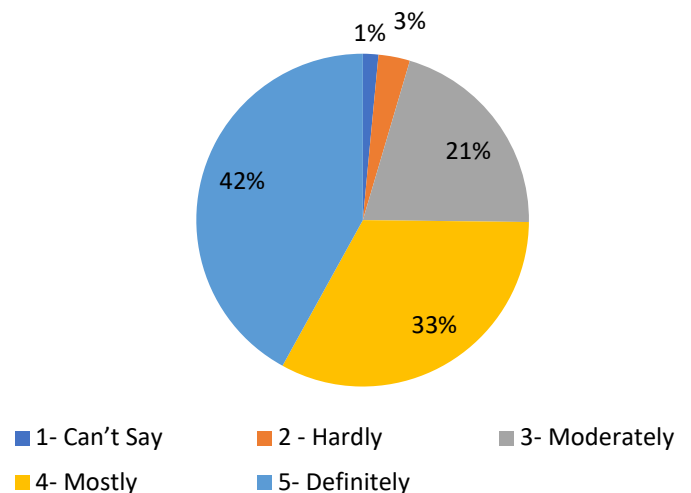
Course Exit Analysis Report (Sem VI)

Subject: Mechatronics

Subject In-charge: Prof.Madhukar B.Sorte

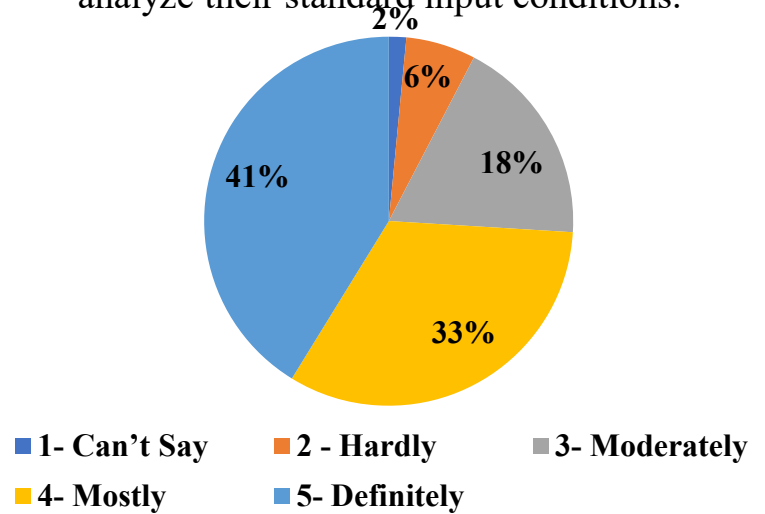
Score	No. of Students	Percentage (%)
1- Can't Say	2	1
2 - Hardly	4	3
3- Moderately	27	21
4- Mostly	43	33
5- Definitely	55	42
Total	131	100

CO1:Have you understood the key elements of Mechatronics, its application, concepts of sensor and its interfacing with microcontroller



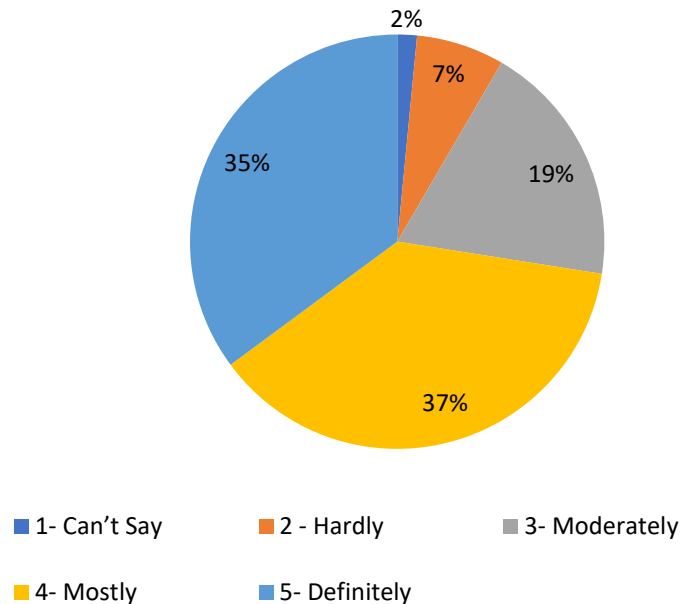
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	8	6
3- Moderately	24	18
4- Mostly	43	33
5- Definitely	54	41
Total	131	100

CO2:Have you understood concept of actuators ,selection of logic controls and analyze their standard input conditions.



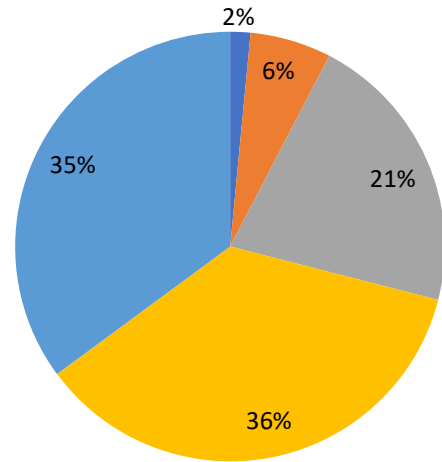
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	9	7
3- Moderately	25	19
4- Mostly	49	37
5- Definitely	46	35
Total	131	100

CO3:Have you understood different actuating and directional control valves and able to design and analyze hydraulic and pneumatic circuits for industrial application



Score	No. of Students	Percentage (%)
1-Can't say	2	2
2 - Hardly	8	6
3- Moderately	28	21
4- Mostly	47	36
5- Definitely	46	35
Total	131	100

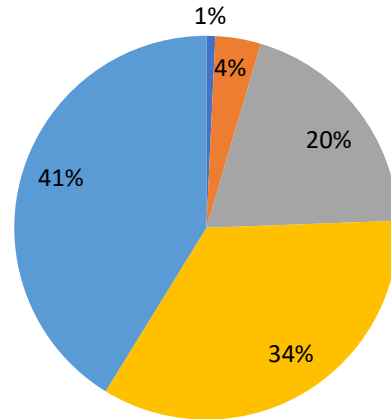
CO4:Have you understood the PLC and able to develop Ladder logic programming diagram for different application.



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately
 ■ 4- Mostly ■ 5- Definitely

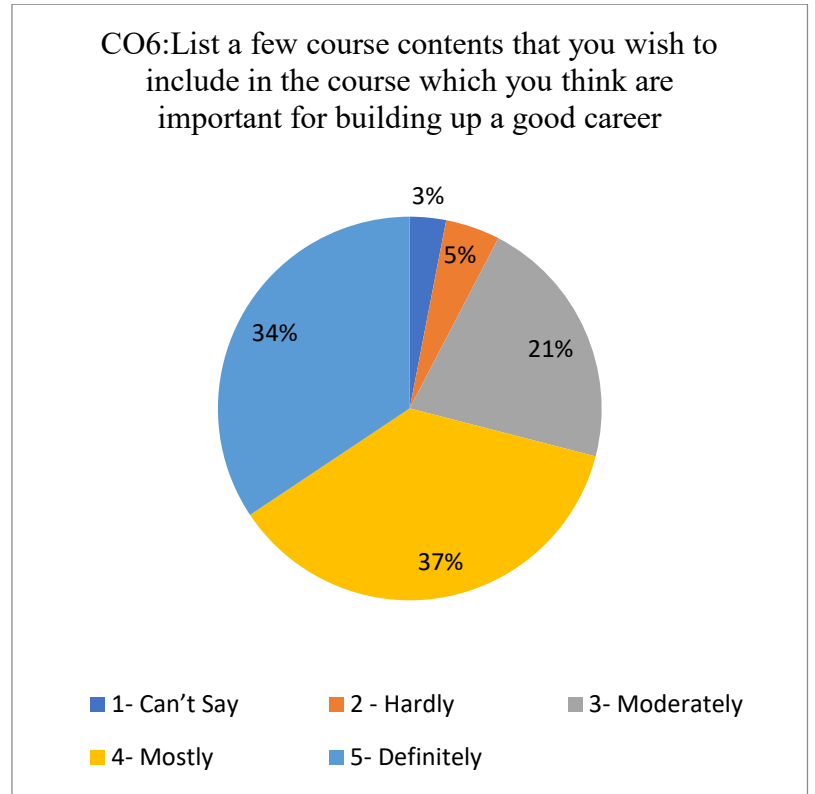
Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	5	4
3- Moderately	26	20
4- Mostly	45	34
5- Definitely	54	41

CO5:Are you able to design mechatronics system for automation as per requirement .



■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately
 ■ 4- Mostly ■ 5- Definitely

Score	No. of Students	Percentage (%)
1- Can't Say	4	3
2 - Hardly	6	5
3- Moderately	28	21
4- Mostly	48	37
5- Definitely	45	34
Total	131	100



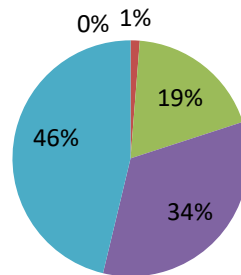


Department of Mechanical Engineering
 Academic Year: 2020-21
 Semester – VI
 Subject – RAC
 Subject Teacher – Dr. Madan Jagtap

Score	Number of students	Percentage
1-Can't say	1	1
2-Hardly	0	0
3- Moderately	15	19
4- Mostly	27	34
5- Definitely	37	46
Total	80	100

CO1 Are you able to demonstrate fundamental principles of refrigeration and air conditioning

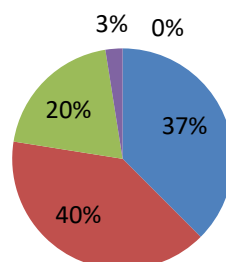
■ Hardly ■ can't say ■ Moderately ■ Mostly ■ Definitely



Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3- Moderately	16	20
4- Mostly	32	37
5- Definitely	30	40
Total	80	100

CO2 Can you identify and locate various important components of the refrigeration and air conditioning system

■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say

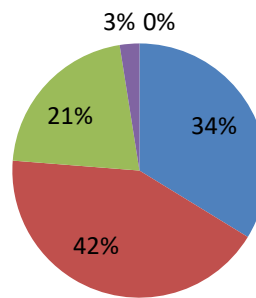




Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3- Moderately	17	21
4- Mostly	34	42
5- Definitely	27	34
Total	80	100

CO3 Are you able to illustrate various refrigeration and air conditioning processes using psychometric chart

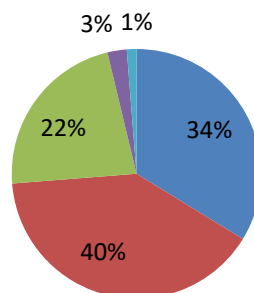
■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say



Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3- Moderately	17	21
4- Mostly	34	42
5- Definitely	27	34
Total	80	100

CO4 Are you able to design Air Conditioning system using cooling load calculations.

■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say

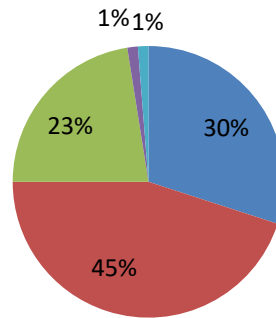




Score	Number of students	Percentage
1-Can't say	1	1
2-Hardly	1	1
3- Moderately	18	23
4- Mostly	36	45
5- Definitely	23	30
Total	80	100

Are you able to estimate air conditioning system parameters

■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say



Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	3	4
3- Moderately	19	24
4- Mostly	33	41
5- Definitely	25	31
Total	80	100

CO6 Are you able to Demonstrate understanding of duct design concepts

■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say

