



SARASWATI Education Society's
SARASWATI College of Engineering

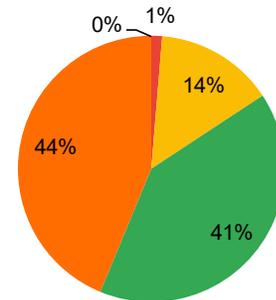
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of Mechanical Engineering
Course Exit Analysis Report (ODD SEM)
Academic Year: - 2020-2021 Semester:-V
Subject: - Dynamics of machinery
Subject In charge: -Prof.Pramod Deshmukh

Score	No of Students	Percentage
1-Can't Say	0	0%
2-Hardly	2	1%
3-Moderately	22	14%
4-Mostly	62	41%
5-Definitely	67	44%
TOTAL	153	

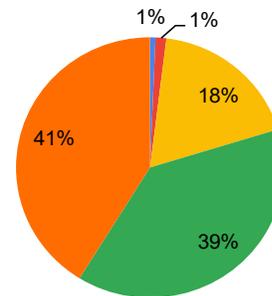
CO:-1 Do you understand Basic concept of governor and gyroscope.



■ 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	2	1%
3-Moderately	28	18%
4-Mostly	59	39%
5-Definitely	63	41%
TOTAL	153	

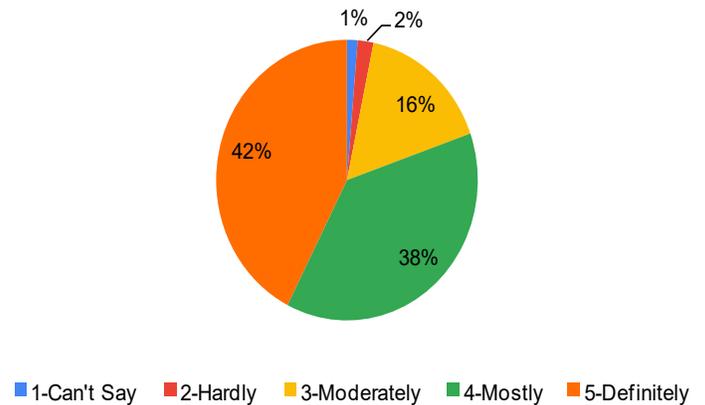
CO2:-Do you understand the basic concept of Static and dynamic force analysis.



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

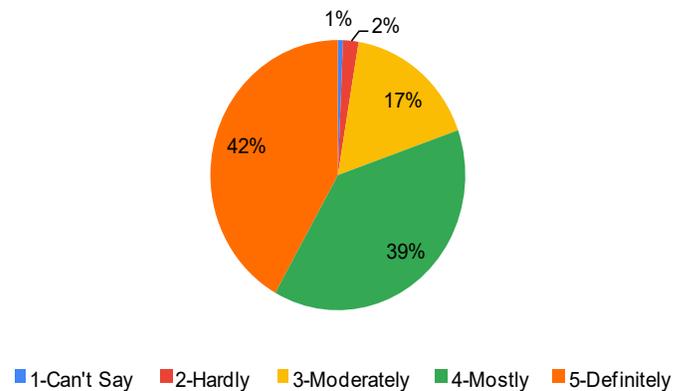
Score	No of Students	Percentage
1-Can't Say	2	1%
2-Hardly	3	2%
3-Moderately	25	16%
4-Mostly	58	38%
5-Definitely	65	42%
TOTAL	153	

CO3:-Are you able to solve problems based on natural frequency of element /system.



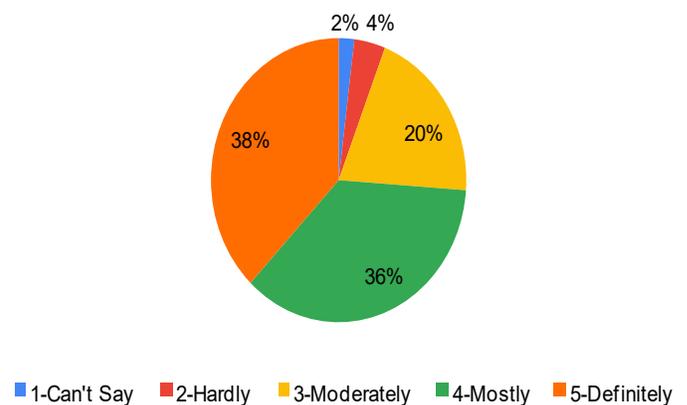
Score	No of Students	Percentage
1-Can't Say	1	1%
2-Hardly	3	2%
3-Moderately	26	17%
4-Mostly	59	39%
5-Definitely	64	42%
TOTAL	153	

CO4:-Are you able to solve problems based on Free Damped Single Degree of Freedom Vibration System.



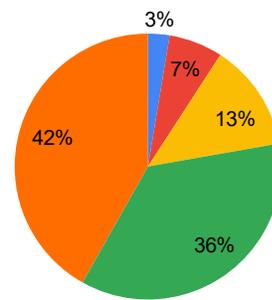
Score	No of Students	Percentage
1-Can't Say	3	2%
2-Hardly	6	4%
3-Moderately	31	20%
4-Mostly	55	36%
5-Definitely	58	38%
TOTAL	153	

CO5:-Are you able to solve problems based on vibration isolation system.



Score	No of Students	Percentage
1-Can't Say	4	3%
2-Hardly	10	7%
3-Moderately	20	13%
4-Mostly	55	36%
5-Definitely	64	42%
TOTAL	153	

CO6:-Do you understand Basic concept of balancing of forces and couples.



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



Department of Mechanical Engineering

Academic Year: 2020-21

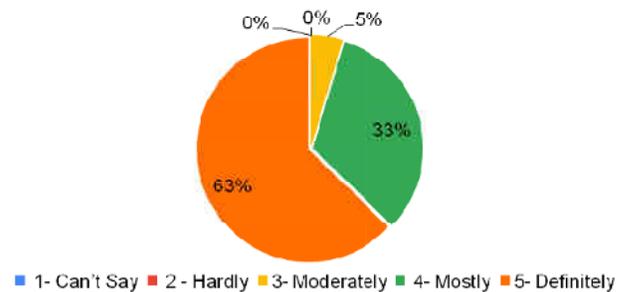
Semester – V

Subject – DOM

Subject Teacher –Prof. Prasanna Raut

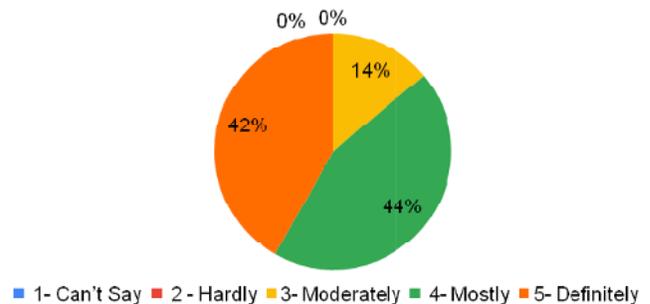
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	2	5
4- Mostly	14	33
5- Definitely	27	63
Total	43	100

CO 1. Do you understand Basic concept of governor and gyroscope?



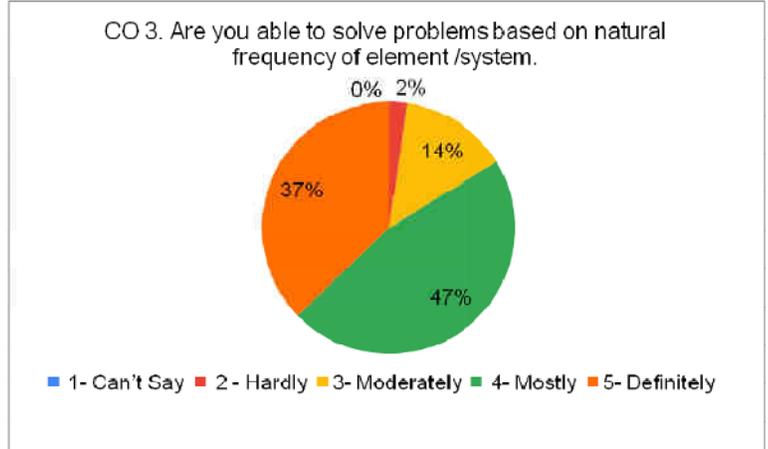
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	6	14
4- Mostly	19	44
5- Definitely	18	42
Total	43	100

CO 2. Do you understand the basic concept of Static and dynamic force analysis.?

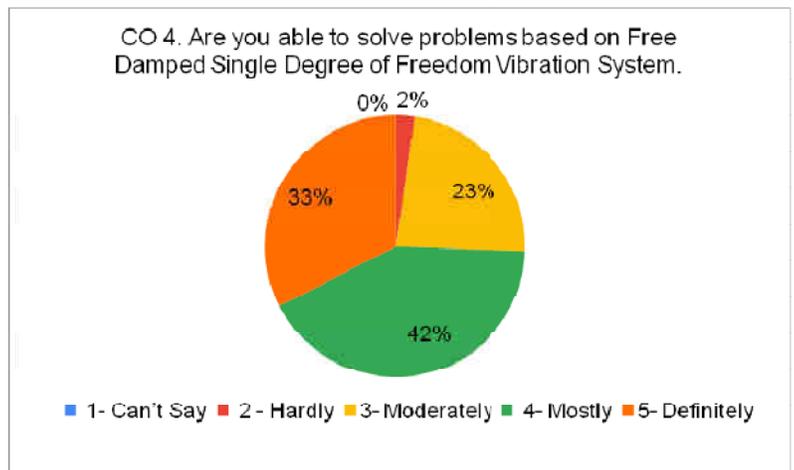




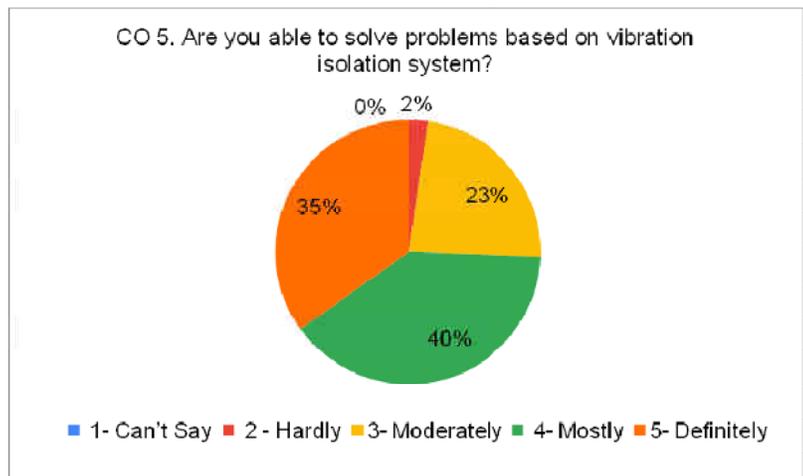
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	6	14
4- Mostly	20	47
5- Definitely	16	37
Total	43	100



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

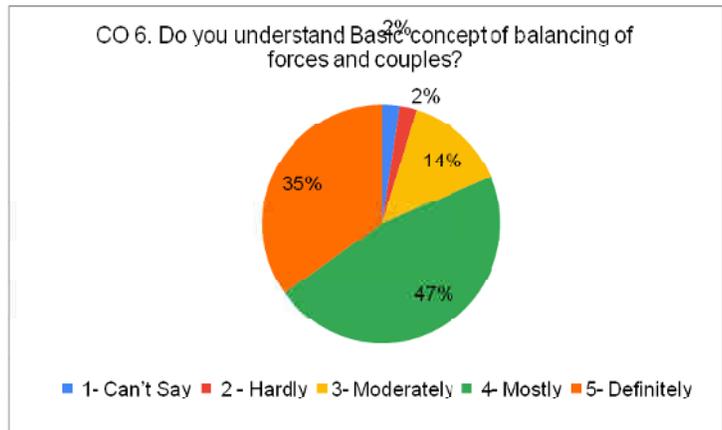


Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	10	23
4- Mostly	17	40
5- Definitely	15	35
Total	43	100





Score	No. of Students	Percentage (%)
1- Can't Say	1	2
2 - Hardly	1	2
3- Moderately	6	14
4- Mostly	20	47
5- Definitely	15	35
Total	43	100





Department of Mechanical Engineering

Academic Year: 2020-2021(ODD SEM)

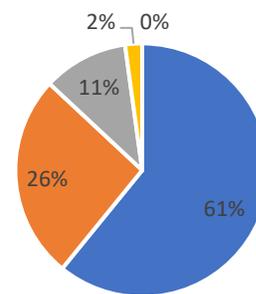
Course Exit Analysis Report (Sem V)

Subject: HT

Subject In-charge: Prof. PRAMOD MAURYA

Score	No. of Students	Percentage (%)
1- Can't Say	28	61
2 - Hardly	12	26
3- Moderately	5	11
4- Mostly	1	2
5- Definitely	0	0
Total	46	100

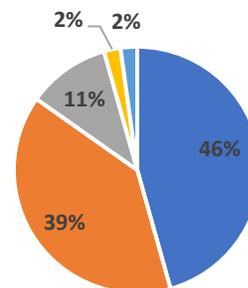
CO 1: Are you able to Identify the three modes of heat transfer



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

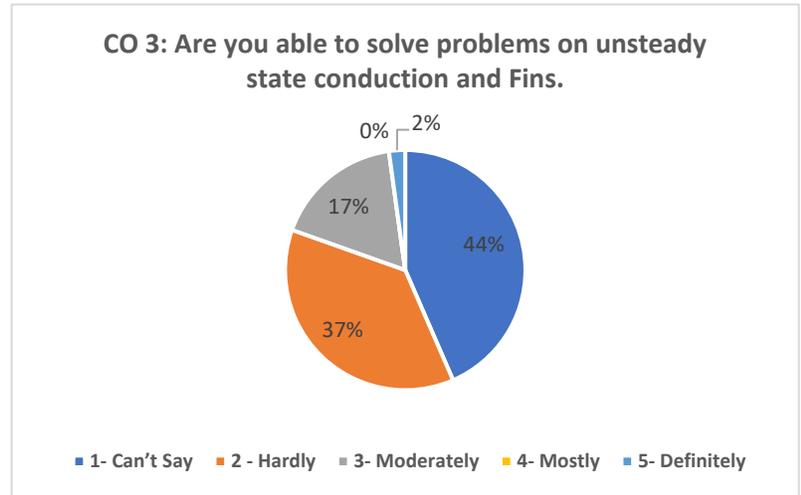
Score	No. of Students	Percentage (%)
1- Can't Say	21	46
2 - Hardly	18	39
3- Moderately	5	11
4- Mostly	1	2
5- Definitely	1	2
Total	46	100

CO2: Are you able to solve problems on steady state conduction.

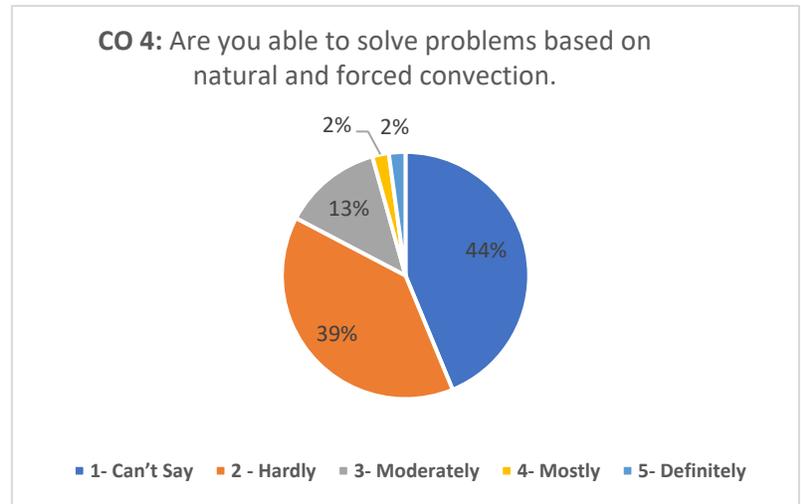


■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely

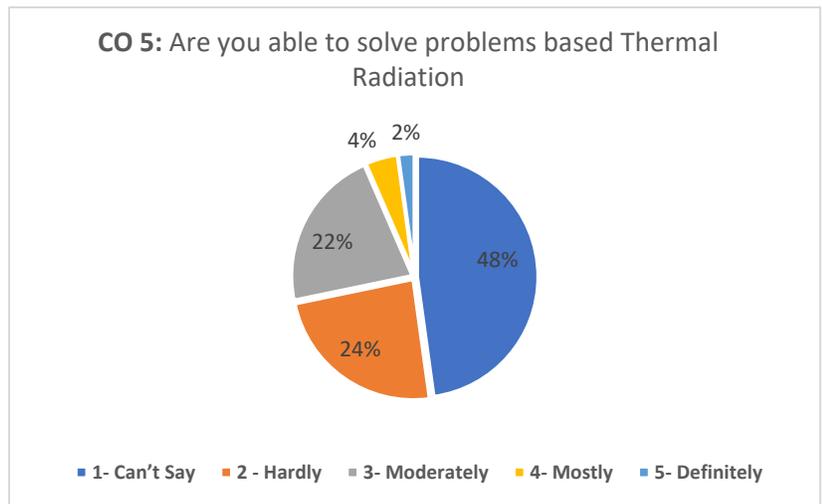
Score	No. of Students	Percentage (%)
1- Can't Say	20	44
2 - Hardly	17	37
3- Moderately	8	17
4- Mostly	0	0
5- Definitely	1	2
Total	46	100



Score	No. of Students	Percentage (%)
1- Can't Say	20	43
2 - Hardly	18	39
3- Moderately	6	13
4- Mostly	1	2
5- Definitely	1	2
Total	46	100

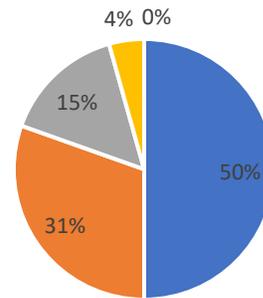


Score	No. of Students	Percentage (%)
1- Can't Say	22	48
2 - Hardly	11	24
3- Moderately	10	22
4- Mostly	2	4
5- Definitely	1	2
Total	46	100



Score	No. of Students	Percentage (%)
1- Can't Say	22	50
2 - Hardly	11	30
3- Moderately	10	15
4- Mostly	2	4
5- Definitely	1	0
Total	46	100

CO 6 Are you able to Analyse different heat exchangers and quantify their performance



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



Department of Mechanical Engineering

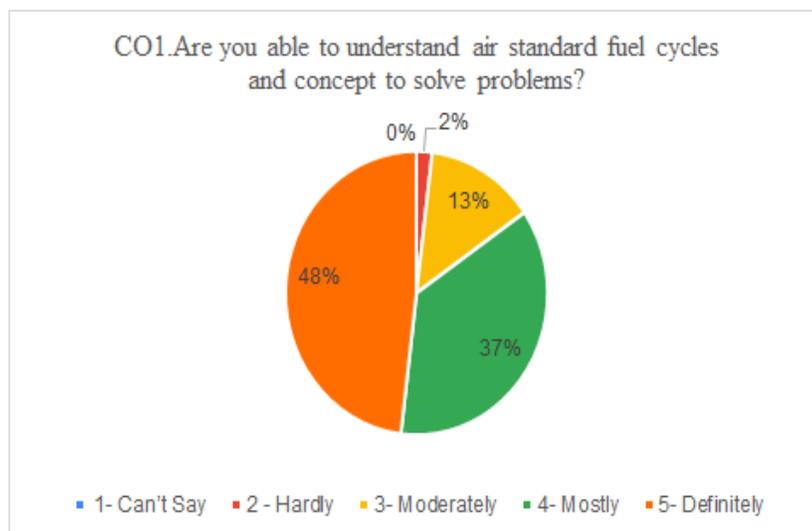
Academic Year: 2020-2021(ODD SEM)

Course Exit Analysis Report (Sem V)

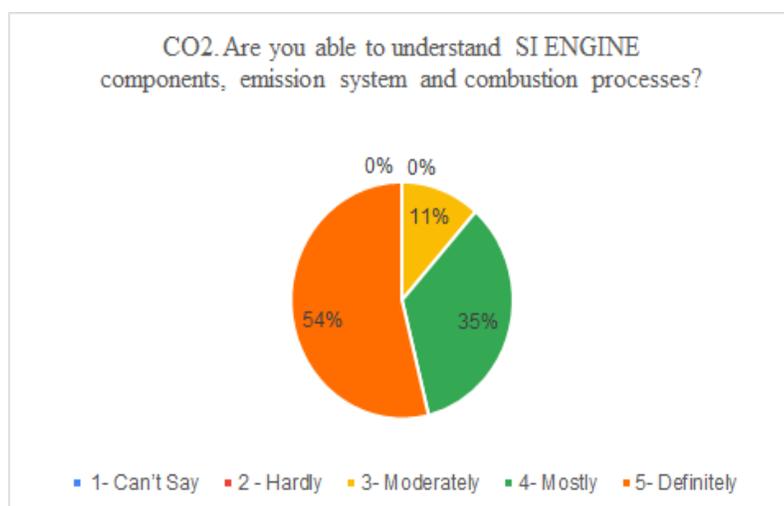
Subject: Internal Combustion Engine

Subject In-charge: Prof. Sunil Jankar

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	7	13
4- Mostly	19	37
5- Definitely	25	48
Total	52	100

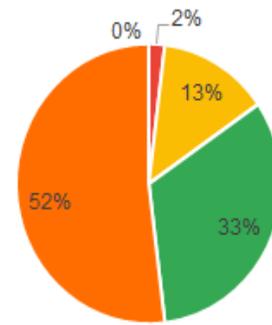


Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	6	12
4- Mostly	18	35
5- Definitely	28	54
Total	52	100



Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	7	13
4- Mostly	17	33
5- Definitely	27	52
Total	52	100

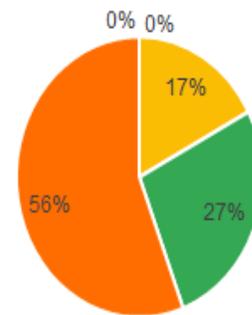
CO3. Are you able to identify CI ENGINE variables and parameters to solve the CI engine problems?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	9	17
4- Mostly	14	27
5- Definitely	29	56
Total	52	100

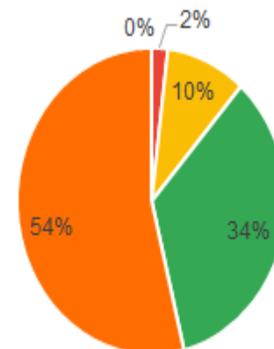
CO4. Are you able to understand lubrication and cooling system used in internal combustion engine?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	5	10
4- Mostly	18	35
5- Definitely	28	54
Total	52	100

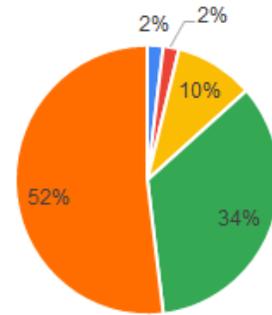
CO5. Are you able to understand concept of supercharging and turbocharging ?



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

Score	No of Student	Percentage
1- Can't Say	1	2
2 - Hardly	1	2
3- Moderately	5	10
4- Mostly	18	35
5- Definitely	27	52
Total	52	100

CO6. Are you able to apply engine performance characteristics to solve the problems?



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



Department of Mechanical Engineering

Academic Year 2020-21

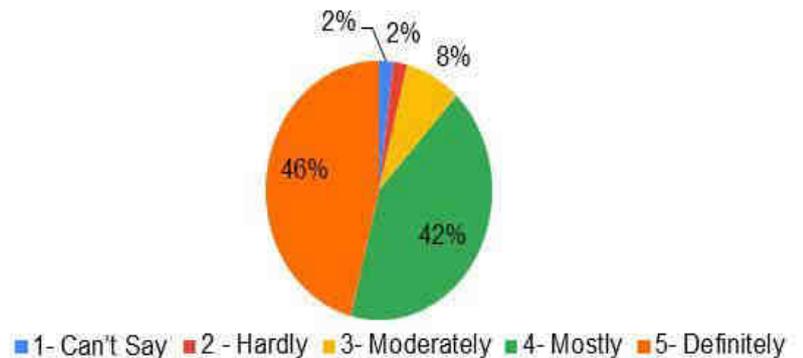
Course Exit Analysis Report (SEM V)

Subject: Internal Combustion Engine (ICE)

Subject In-charge: Prof. Sunil Sopnur

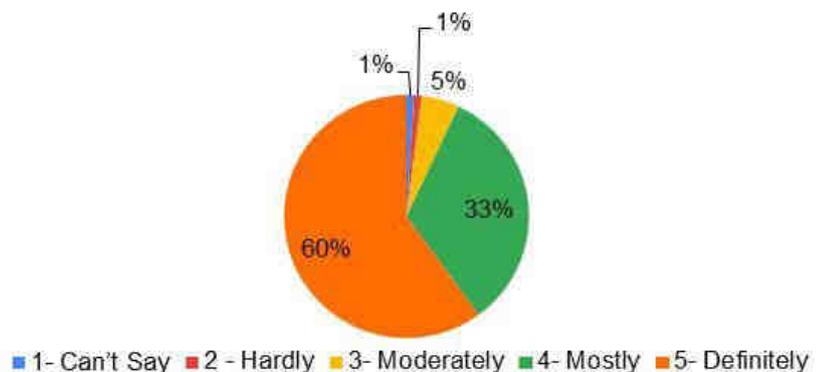
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	2	2
3- Moderately	9	8
4- Mostly	46	42
5- Definitely	50	46
Total	109	100

CO 1. Are you able to understand air standard fuel cycles and concept to solve problems.



Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	1	1
3- Moderately	6	5
4- Mostly	36	33
5- Definitely	65	60
Total	109	100

CO 2. Are you able to understand SI ENGINE components, emission system and combustion processes?





Department of Mechanical Engineering

Academic Year 2020-21

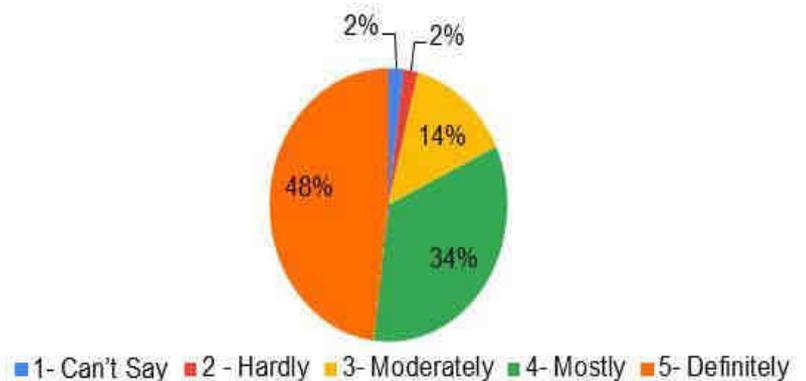
Course Exit Analysis Report (SEM V)

Subject: Internal Combustion Engine (ICE)

Subject In-charge: Prof. Sunil Sopnur

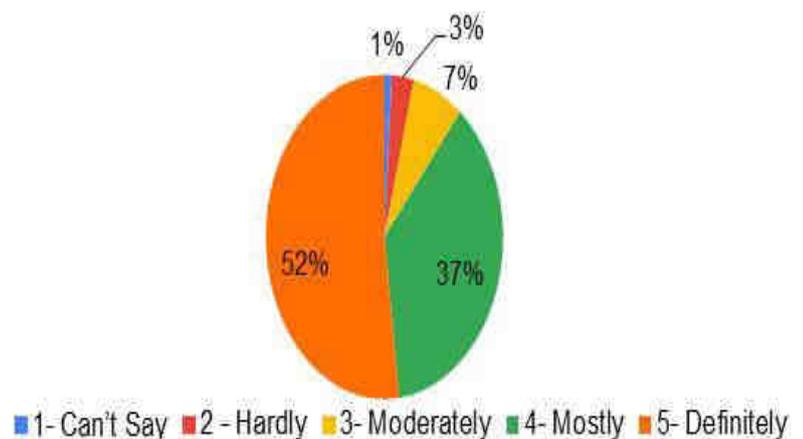
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	2	2
3- Moderately	15	14
4- Mostly	37	34
5- Definitely	53	48
Total	109	100

CO 3. Are you able to identify CI ENGINE variables and parameters to solve the CI engine problems?



Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	3	3
3- Moderately	8	7
4- Mostly	40	37
5- Definitely	57	52
Total	109	100

CO 4. Are you able to understand lubrication and cooling system used in internal combustion engine?





Department of Mechanical Engineering

Academic Year 2020-21

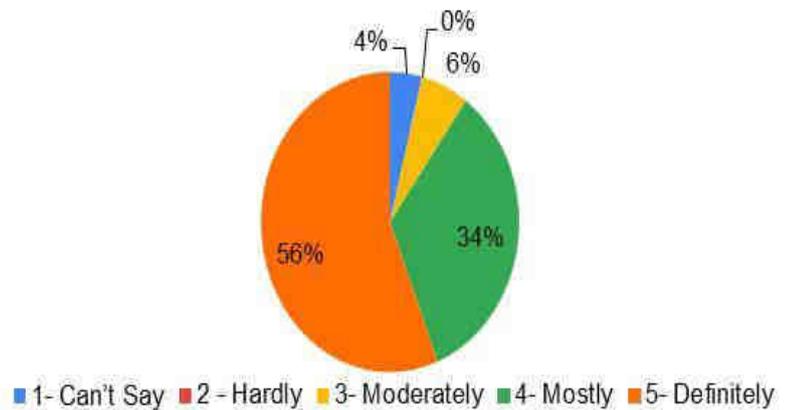
Course Exit Analysis Report (SEM V)

Subject: Internal Combustion Engine (ICE)

Subject In-charge: Prof. Sunil Sopnur

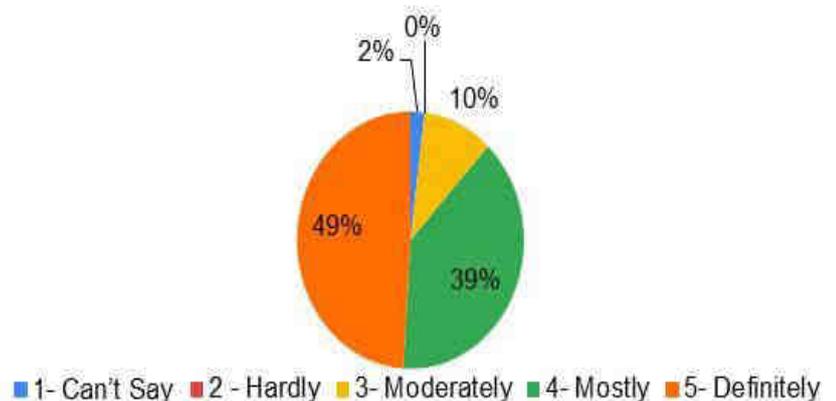
Score	No. of Students	Percentage (%)
1- Can't Say	4	4
2 - Hardly	0	0
3- Moderately	7	6
4- Mostly	37	34
5- Definitely	61	56
Total	109	100

CO 5. Are you able to understand concept of supercharging and turbocharging ?



Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	0	0
3- Moderately	11	10
4- Mostly	43	39
5- Definitely	53	49
Total	109	100

CO 6. Are you able to apply engine performance characteristics to solve the problems?





Department of Mechanical Engineering

Academic Year: 2020-2021(ODD SEM)

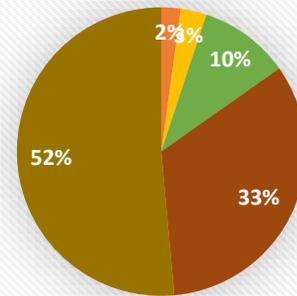
Course Exit Analysis Report (Sem V)

Subject: MMC

Subject In-charge: Prof. Nalini Deepthi

Score	No. of Students	Percentage (%)
1- Can't Say	3	2
2 - Hardly	4	3
3- Moderately	14	10
4- Mostly	46	33
5- Definitely	71	52
Total	138	100

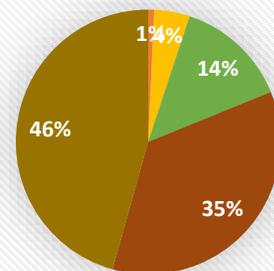
CO1. Are you able to Apply appropriate instrumentation tools to make measurements of physical quantities



■ 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	6	4
3- Moderately	19	14
4- Mostly	49	36
5- Definitely	63	46
Total	138	100

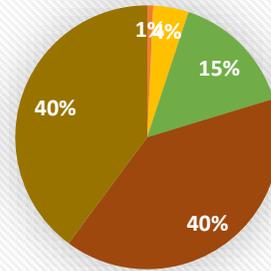
CO2. Are you able to Identify different fundamentals for solving engineering problems



■ 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	6	4
3- Moderately	21	15
4- Mostly	55	40
5- Definitely	55	40
Total	138	100

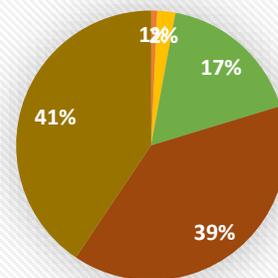
CO3. Are you able to Analysis of system through the application of various test inputs and generating information for improvisation in design of system



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	3	2
3- Moderately	24	17
4- Mostly	54	39
5- Definitely	56	41
Total	138	100

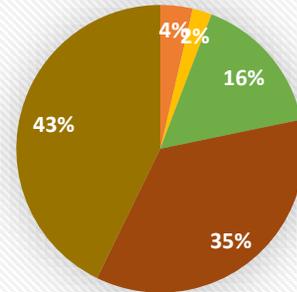
CO4. Are you able to Apply engineering mathematics and computations to solve mathematical models for control system



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

Score	No. of Students	Percentage (%)
1- Can't Say	5	4
2 - Hardly	3	2
3- Moderately	22	16
4- Mostly	49	36
5- Definitely	59	43
Total	138	100

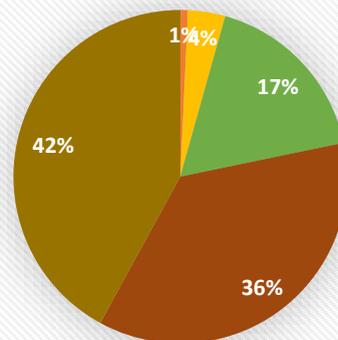
CO5. Are you able to analyze and evaluate the system in time and frequency domain and interpret the stability



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	24	17
4- Mostly	50	36
5- Definitely	58	42
Total	138	100

CO6. Are you able to Apply bode plot techniques to solve mathematical models for control system?



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



Department of Mechanical Engineering

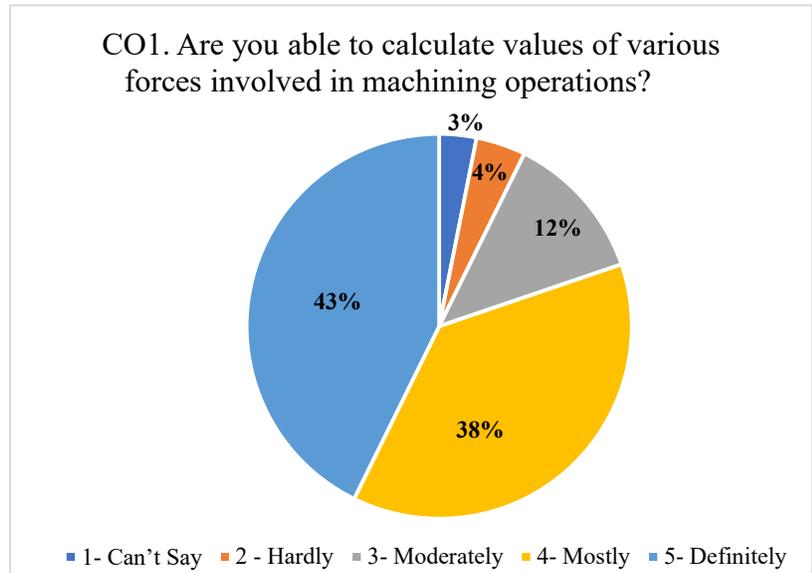
Academic Year: 2020-2021(ODD SEM)

Course Exit Analysis Report (Sem V)

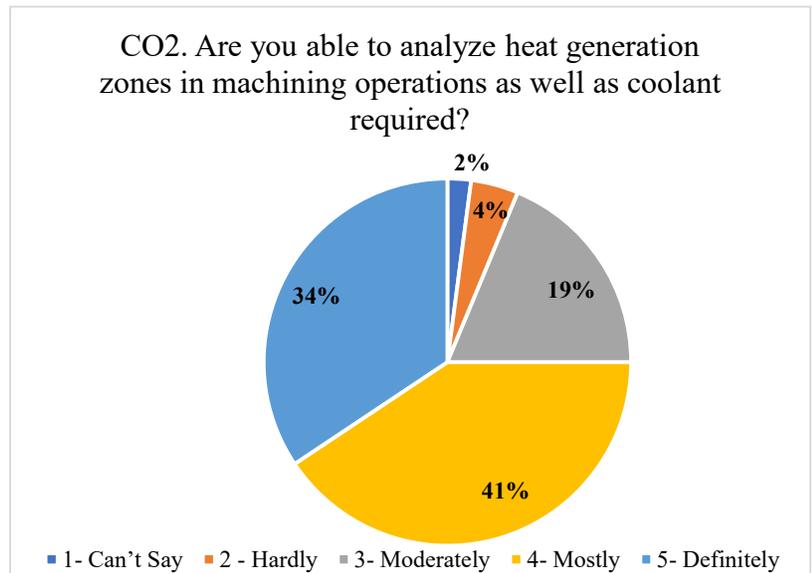
Subject: Machining Science & Tool Design (MSTD)

Subject In-charge: Prof. Mugdha Dongre

Score	No. of Students	Percentage (%)
1- Can't Say	41	42
2 - Hardly	36	38
3- Moderately	12	13
4- Mostly	4	4
5- Definitely	3	3
Total	96	100

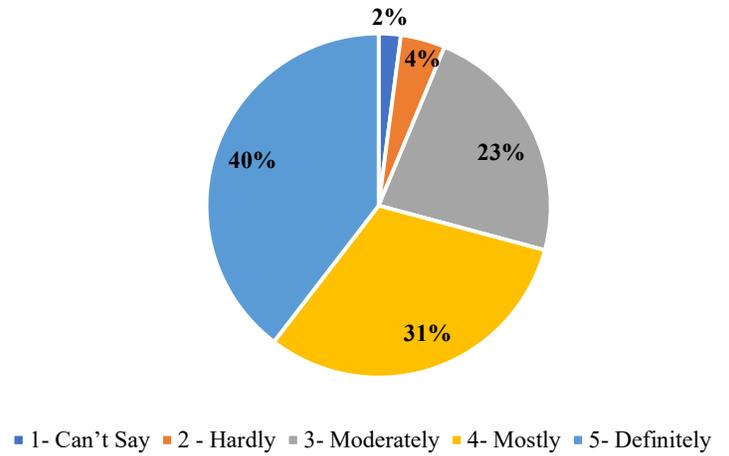


Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	4	4
3- Moderately	18	19
4- Mostly	39	41
5- Definitely	33	34
Total	96	100



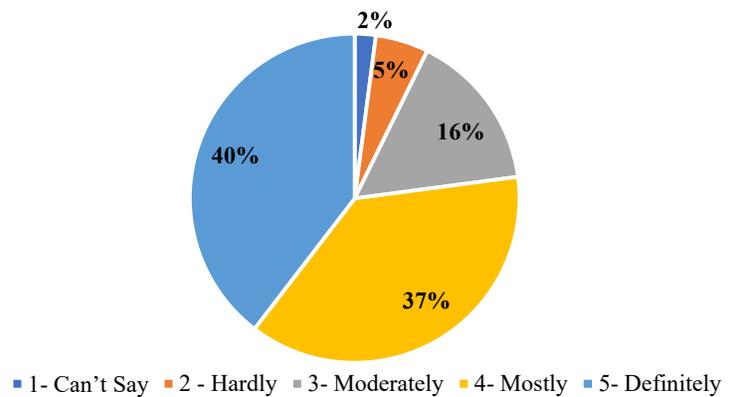
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	4	4
3- Moderately	22	23
4- Mostly	30	31
5- Definitely	38	40
Total	96	100

CO3. Are you able to select appropriate tool material for particular machining operation?



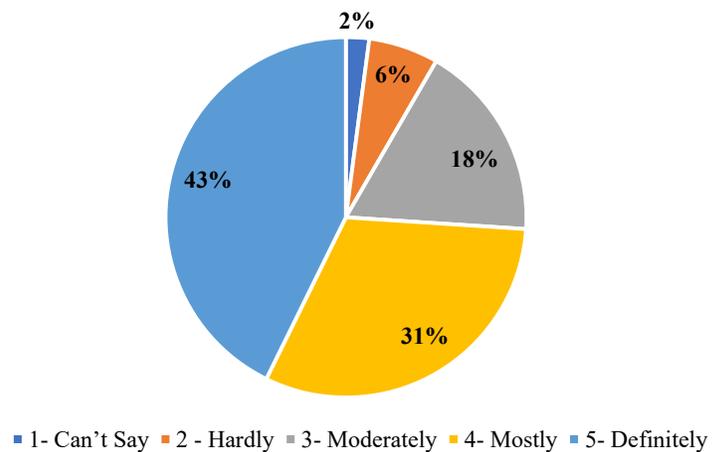
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	5	5
3- Moderately	15	16
4- Mostly	36	38
5- Definitely	38	40
Total	96	100

CO4. Are you able to demonstrate the inter-relationship between cutting parameters and machining performance measures such as tool life, surface finish?



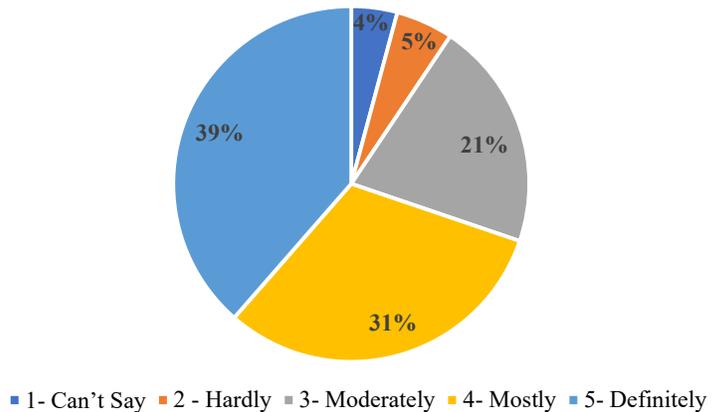
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	6	6
3- Moderately	17	18
4- Mostly	30	31
5- Definitely	41	43
Total	96	100

CO5. Are you able to design various single point cutting tool and its nomenclatures?



Score	No. of Students	Percentage (%)
1- Can't Say	4	4
2 - Hardly	5	5
3- Moderately	20	21
4- Mostly	30	31
5- Definitely	37	39
Total	96	100

CO6. Are you able to design various multipoint cutting tools along with designs of shanks and inserts?





DEPARTMENT OF MECHANICAL ENGINEERING

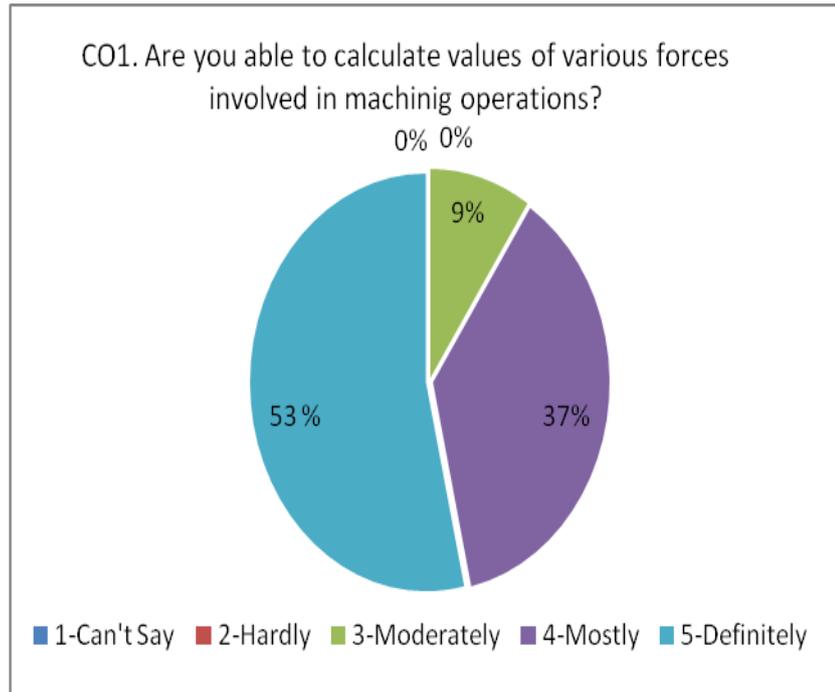
Academic Year: 2020-21 (ODD SEM)

Course Exit Analysis Report (Sem V)

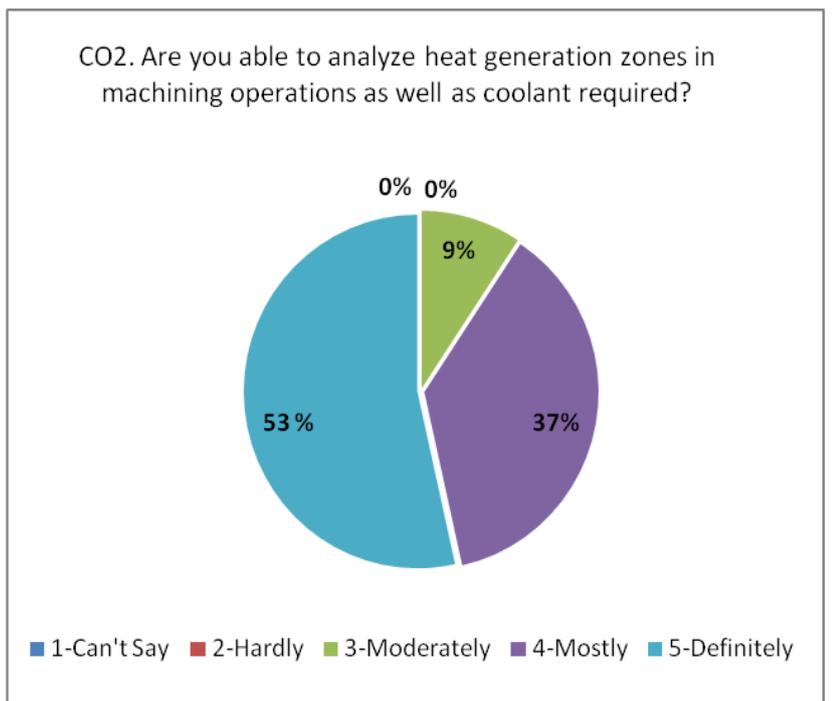
Subject – Machine Science Tool Design (TE-Software)

Subject Teacher – Prof. V.W. Bhagat

Score	No. of Students	Percentage (%)
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	4	9%
4-Mostly	16	37%
5-Definitely	23	53%
Total	43	100

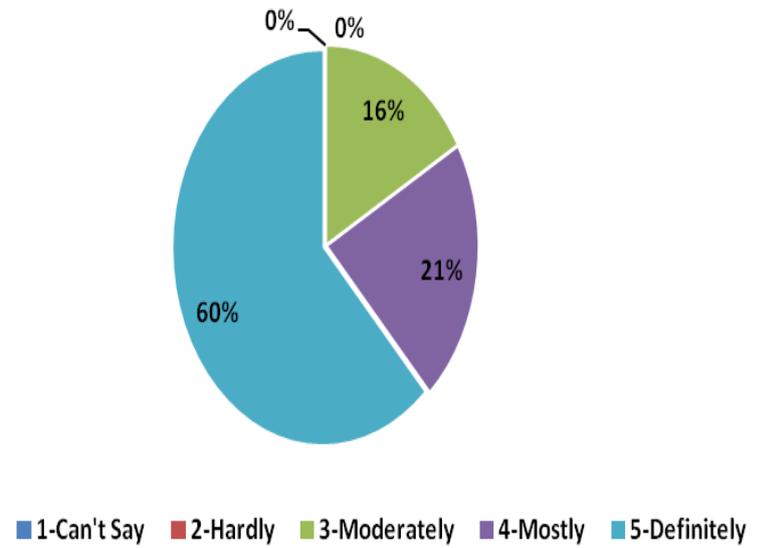


Score	No. of Students	Percentage (%)
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	4	9%
4-Mostly	16	37%
5-Definitely	23	53%
Total	43	100



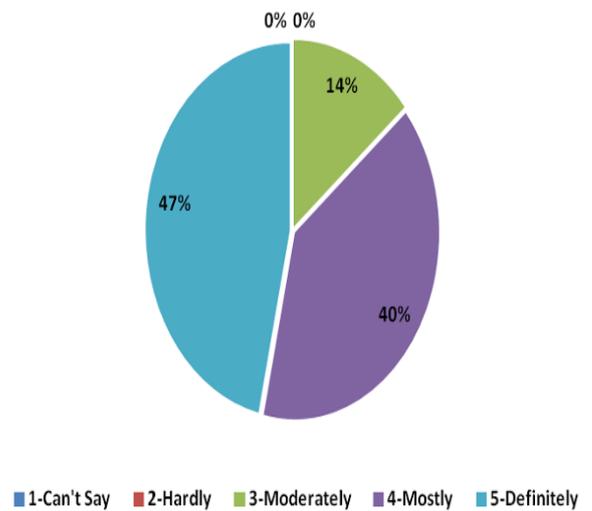
Score	No. of Students	Percentage (%)
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	4	9%
4-Mostly	16	37%
5-Definitely	23	53%
Total	43	100

CO3. Are you able to select appropriate tool material for particular machining operation?

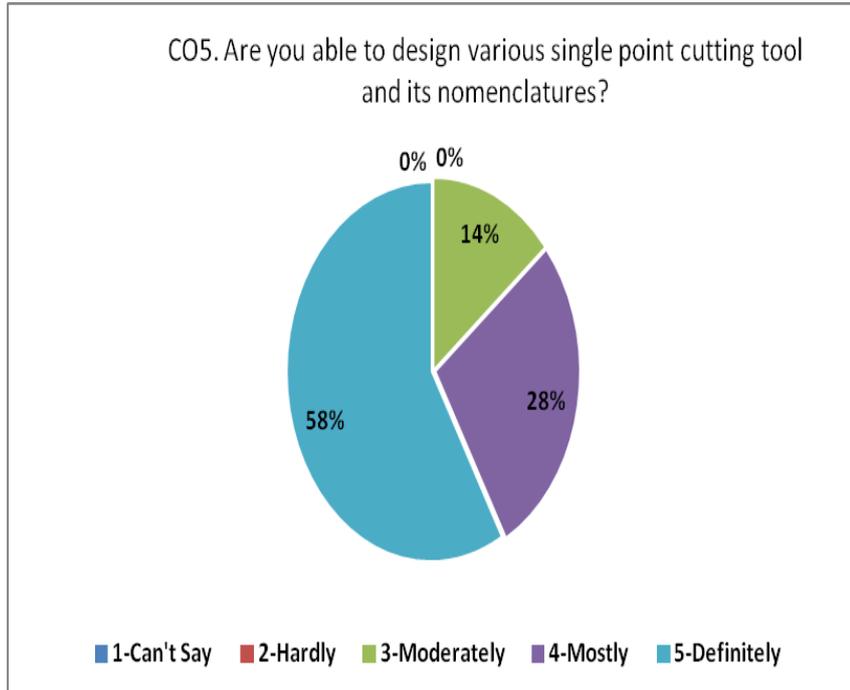


Score	No. of Students	Percentage (%)
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	6	14%
4-Mostly	17	40%
5-Definitely	20	47%
Total	43	100

CO4. Are you able to demonstrate the inter-relationship between cutting parameters and machining performance measures such as tool life, surface finish?



Score	No. of Students	Percentage (%)
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	6	14%
4-Mostly	12	28%
5-Definitely	25	58%
Total	43	100



Score	No. of Students	Percentage (%)
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	5	12%
4-Mostly	16	37%
5-Definitely	21	49%
Total	43	100

