SARASWATI Education Society's

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

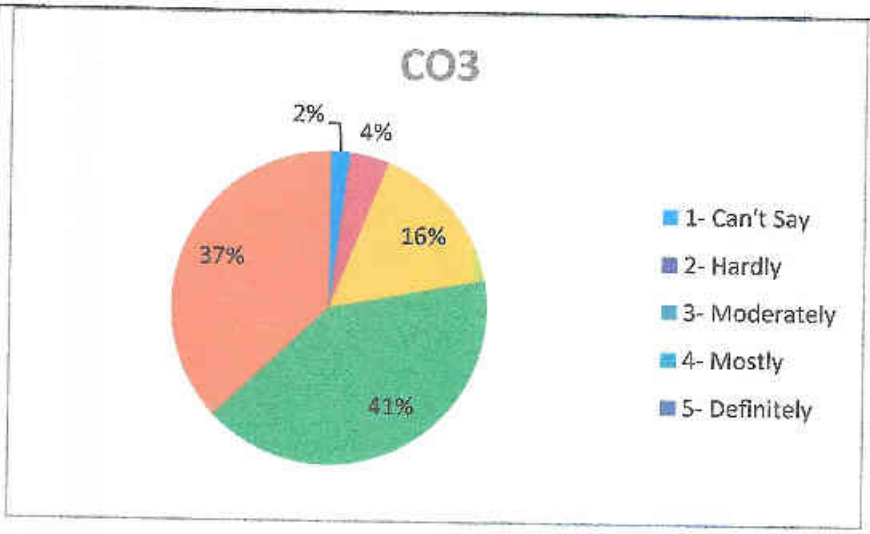
Course Exit Analysis Report (SEM III)

Subject –Architectural Planning & Design of Building LAB

Subject Teacher - Prof. Shanthi Selvam / Prof. Neha Chhangani

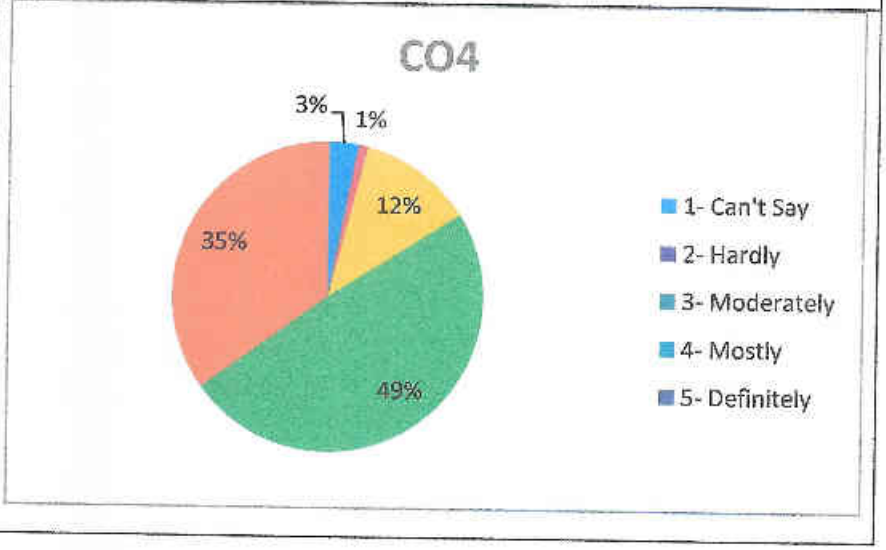
CO3: Apply the concept of one point and two-point perspective drawing to create different views of building

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	4	4
3- Moderately	16	16
4- Mostly	41	41
5- Definitely	37	37
Total	100	100



CO4: Understand the concept of town planning, architectural planning and built environment.

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	1	1
3- Moderately	12	12
4- Mostly	49	49
5- Definitely	35	35
Total	100	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

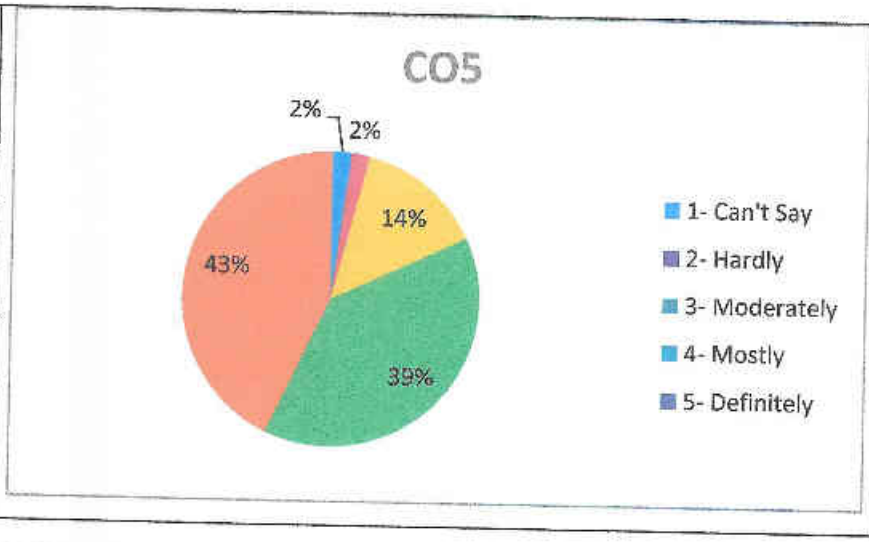
Course Exit Analysis Report (SEM III)

Subject –Architectural Planning & Design of Building LAB

Subject Teacher - Prof. Shanthi Selvam / Prof. Neha Chhangani

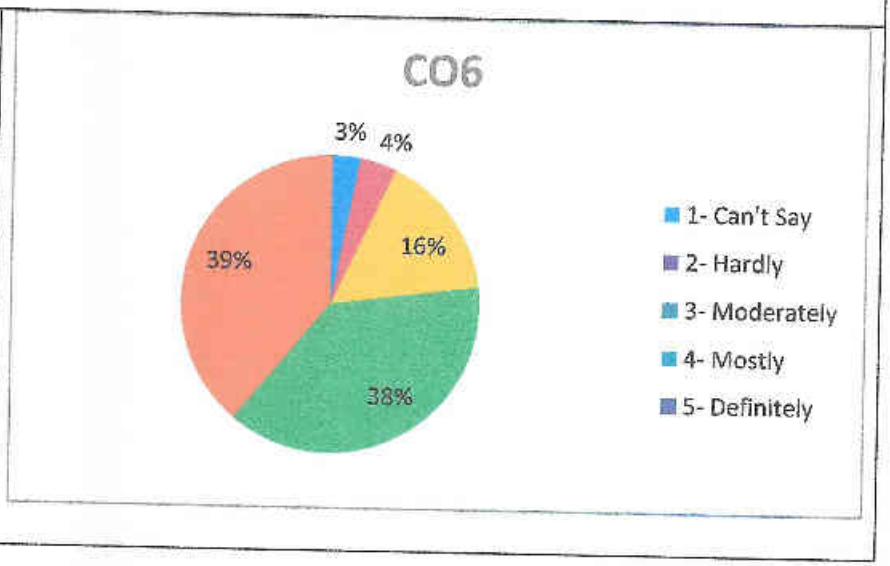
CO5: study the concept of Green buildings for sustainable developments and various certification methods LEED, TERI, GRIHA, IGBC

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	14	14
4- Mostly	39	39
5- Definitely	43	43
Total	100	100



CO6: understand the principles and code of practices for planning and designing of public buildings and drawing using CAAD.

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



HOD (Civil)

Principal (SCOE)

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

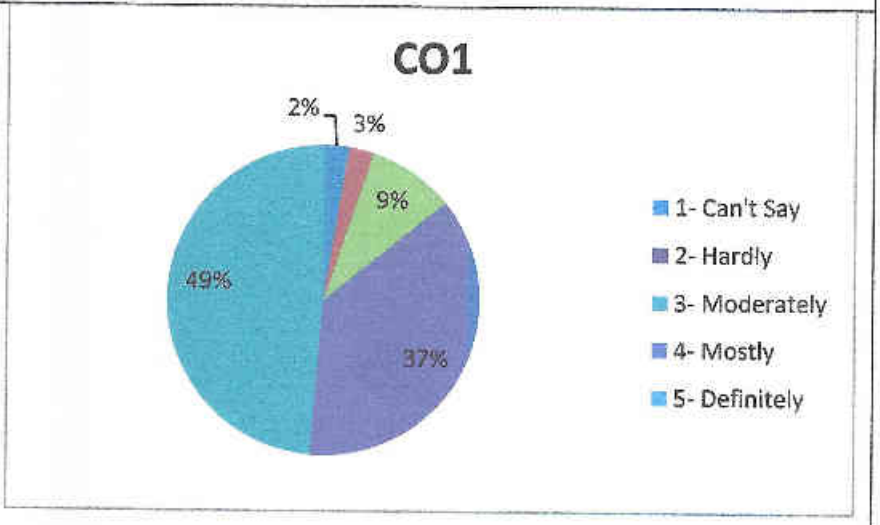
Course Exit Analysis Report (SEM III)

Subject – Architectural Planning & Design of Buildings

Subject Teacher - Prof. Neha Chhangani / Shanthi Selvam

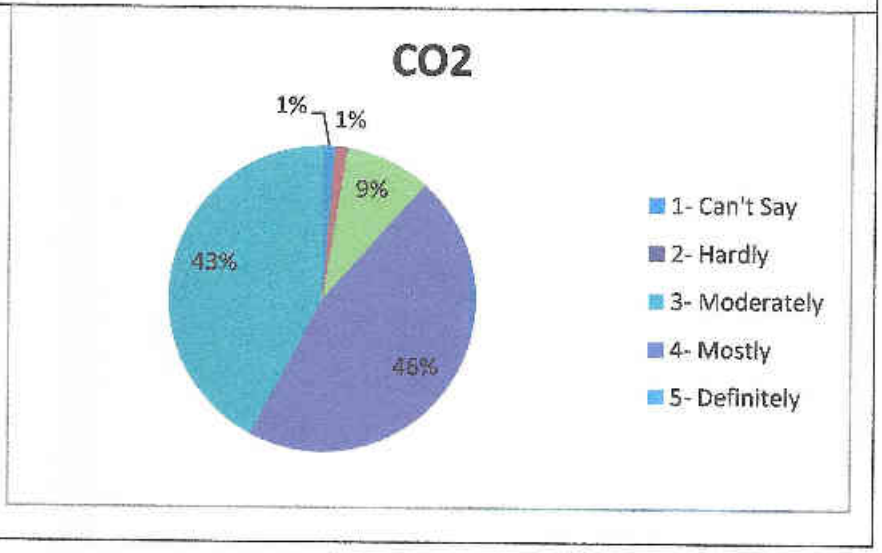
CO1: Apply the principles and code of practices for planning and designing of residential buildings, remember and intricate details of building design and drawing.

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	2	3
3- Moderately	7	9
4- Mostly	29	37
5- Definitely	38	49
Total	78	100



CO2: Learn how to apply professional act responsibly pertaining to the norms of building components design and drawing.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	7	9
4- Mostly	36	46
5- Definitely	33	42
Total	78	100



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Academic Year: 2021-22 (Odd)

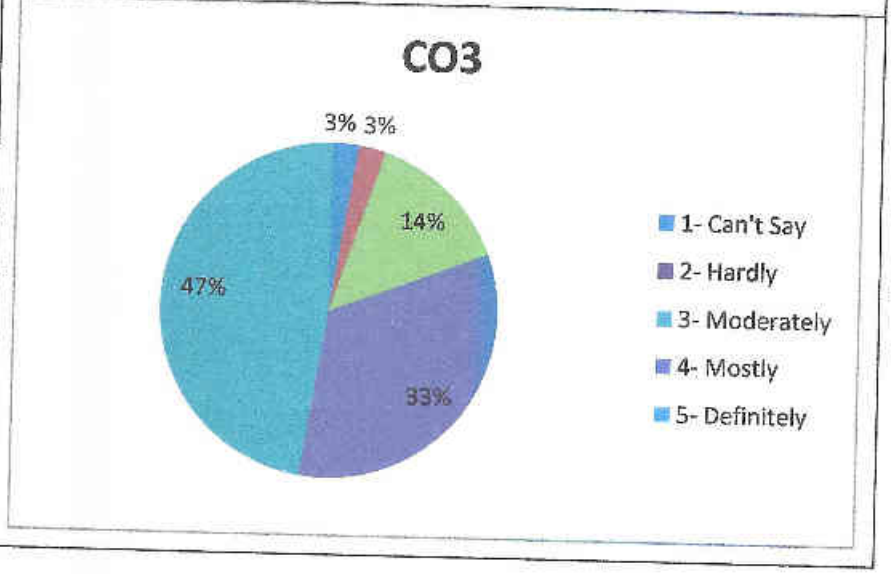
Course Exit Analysis Report (SEM III)

Subject – Architectural Planning & Design of Buildings

Subject Teacher - Prof. Neha Chhangani / Shanthi Selvam

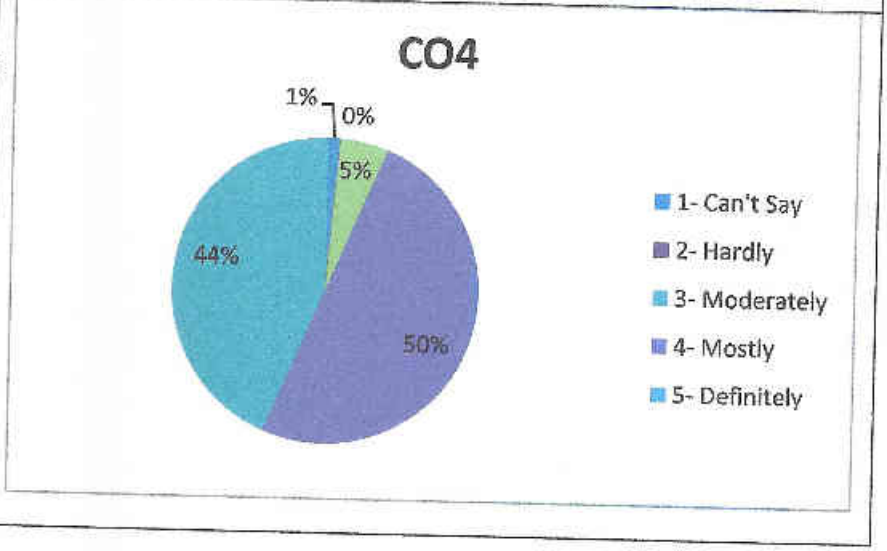
CO3: Apply the concept of one point and two-point perspective drawing to create different views of building

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	2	3
3- Moderately	11	14
4- Mostly	26	33
5- Definitely	37	47
Total	78	100



CO4: Understand the concept of town planning, architectural planning and built environment.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	0	0
3- Moderately	4	5
4- Mostly	39	50
5- Definitely	34	44
Total	78	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

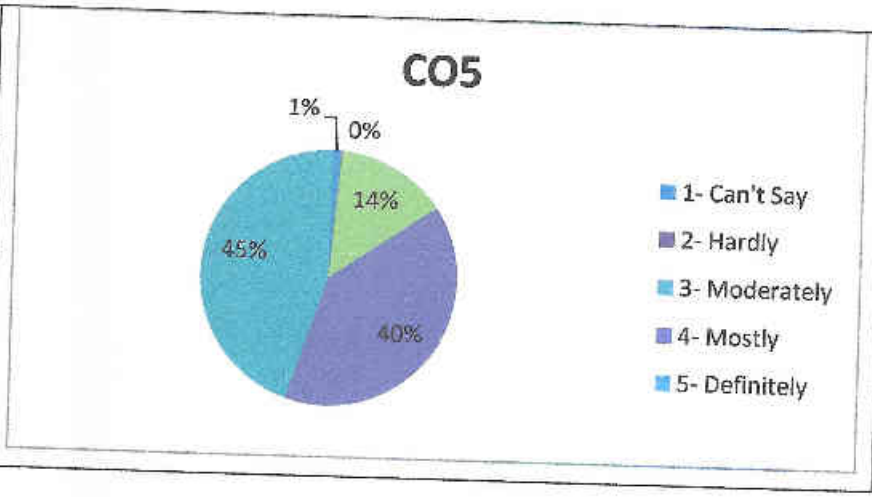
Course Exit Analysis Report (SEM III)

Subject – Architectural Planning & Design of Buildings

Subject Teacher - Prof. Neha Chhangani / Shanthi Selvam

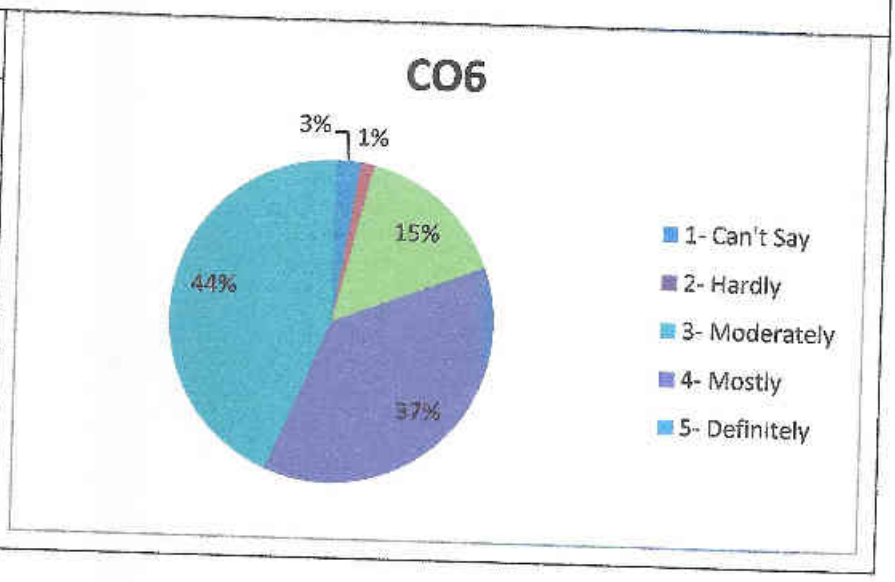
CO5: Understand the concept of Green buildings and various certification methods LEED, TERI, GRIHA, IGBC

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	0	0
3- Moderately	11	14
4- Mostly	31	40
5- Definitely	35	45
Total	78	100



CO6: Apply the principles and code of practices for planning and designing of various public buildings and study the various components and building services as well as apply the knowledge for overall planning and design

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	1	1
3- Moderately	12	15
4- Mostly	29	37
5- Definitely	34	44
Total	78	100



HOD (Civil)

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

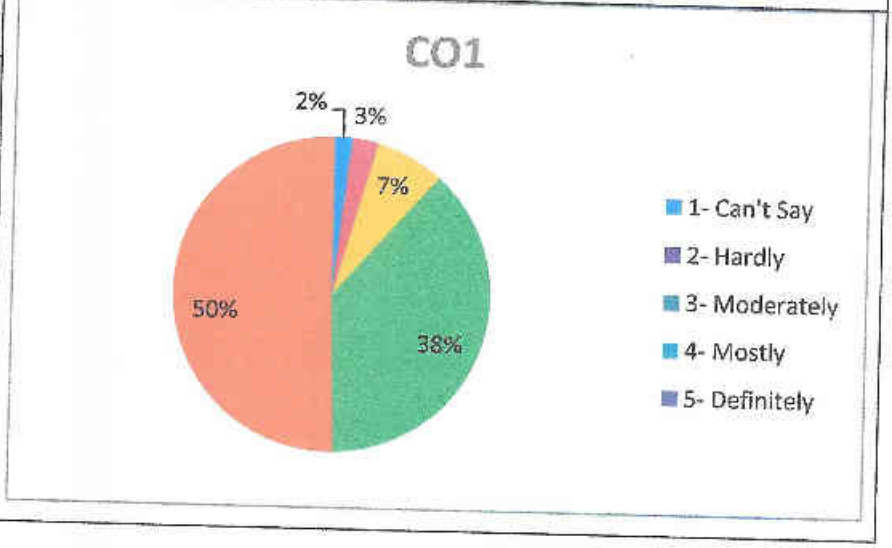
Course Exit Analysis Report (SEM III)

Subject – Engineering Geology

Subject Teacher - Prof. Sujaya Wadekar / Prof. Nagma Alam

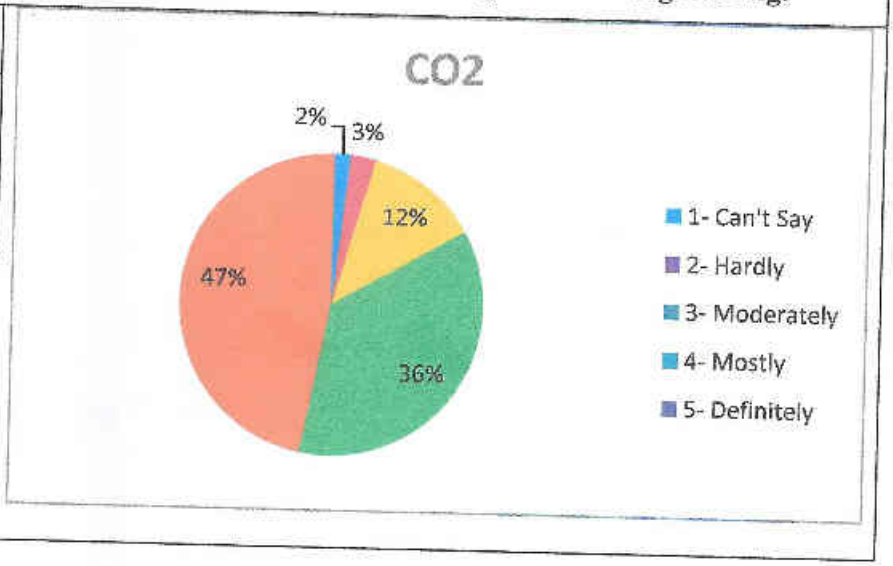
CO1: Understand and explain the significance of geological studies and its significance in various civil engineering projects.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	8	7
4- Mostly	43	38
5- Definitely	57	50
Total	113	100



CO2: Study the properties of minerals and rocks and make use of the knowledge for civil engineering.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	14	12
4- Mostly	41	36
5- Definitely	53	47
Total	113	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

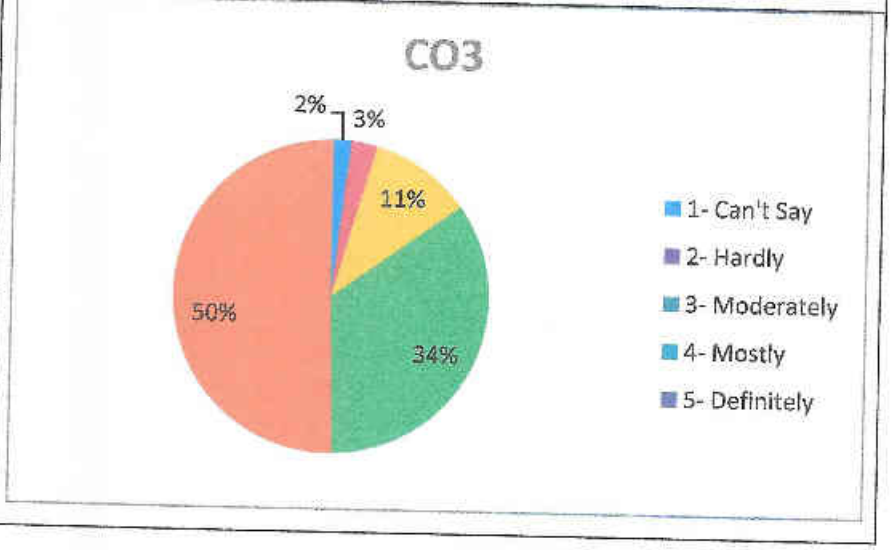
Course Exit Analysis Report (SEM III)

Subject – Engineering Geology

Subject Teacher - Prof. Sujaya Wadekar / Prof. Nagma Alam

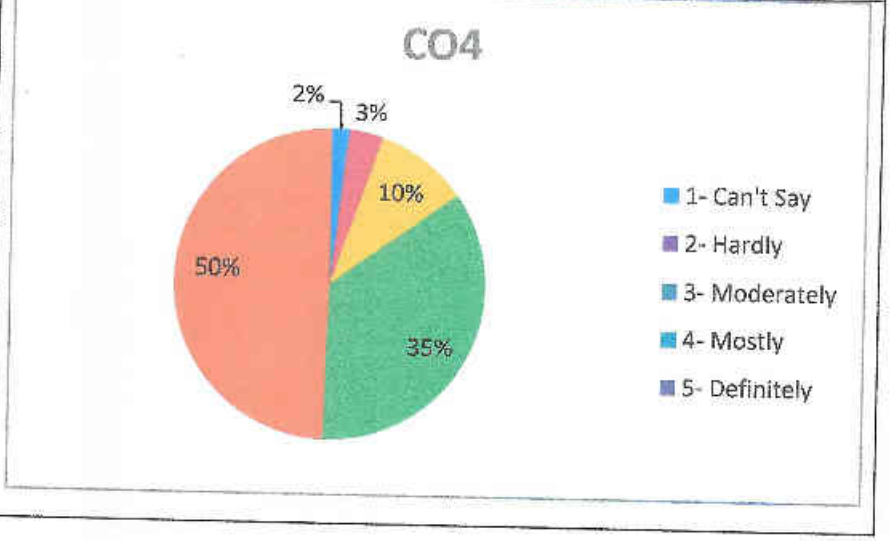
CO3: Analyse and distinguish various geological structures and report geological data using standards in engineering practice,and determine the thickness of strata

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	12	11
4- Mostly	39	35
5- Definitely	57	50
Total	113	100



CO4: explain different methods of geological investigation and mention opinion after calculations and check the suitability of a site to construct civil structures and comment on their engineering consideration

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	4	4
3- Moderately	11	10
4- Mostly	40	35
5- Definitely	56	50
Total	113	100



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Academic Year: 2021-22 (Odd)

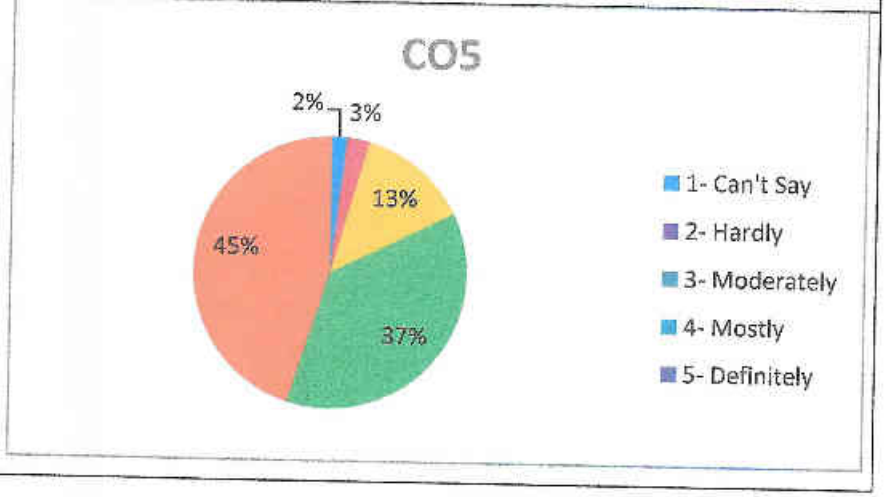
Course Exit Analysis Report (SEM III)

Subject – Engineering Geology

Subject Teacher - Prof. Sujaya Wadekar / Prof. Nagma Alam

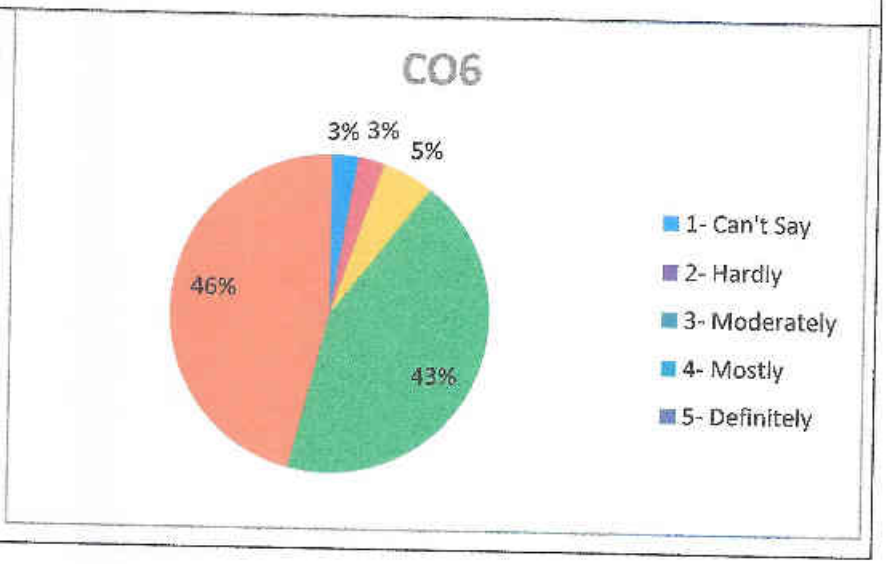
CO5: describe various geological considerations to select the site to construct a tunnel and define various sources of groundwater.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	15	13
4- Mostly	42	37
5- Definitely	51	45
Total	113	100



CO6: find what are the causes of occurrence of natural hazards,distinguish between their types and recommend the control measures.

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	3	3
3- Moderately	6	5
4- Mostly	49	43
5- Definitely	52	46
Total	113	100



HOD (Civil)

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

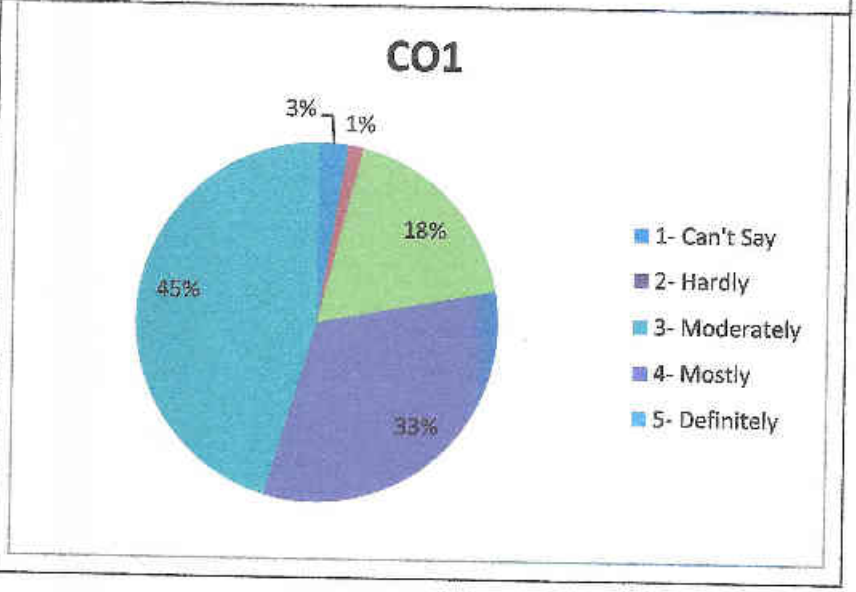
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics-III

Subject Teacher - Prof. Madhukar Andhale

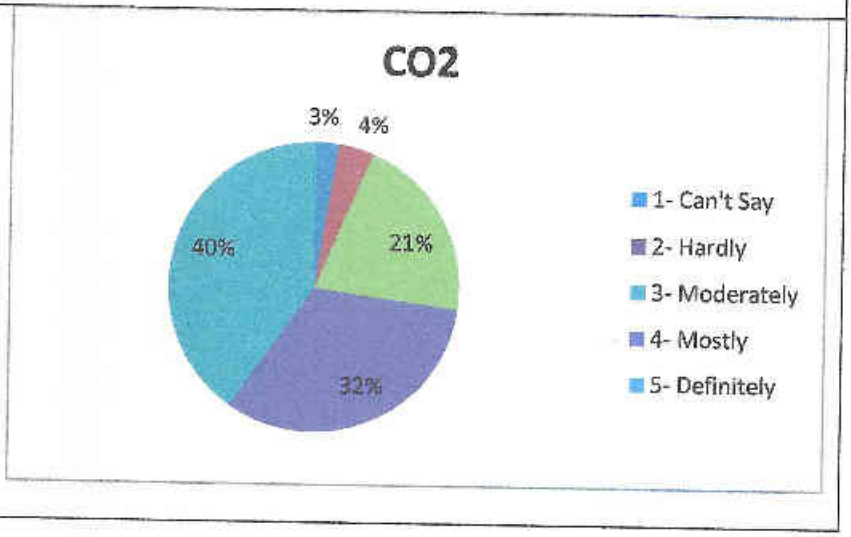
CO1: Are you able to Apply the concept of Laplace transforms and use to solve real integrals in engineering problems

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	1	1
3- Moderately	14	18
4- Mostly	25	32
5- Definitely	35	45
Total	77	100



CO2: Are you able to Identify the concept of inverse linear transform and compare to various functions and its applications

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	3	4
3- Moderately	16	21
4- Mostly	25	32
5- Definitely	31	40
Total	77	100



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Department of Civil Engineering

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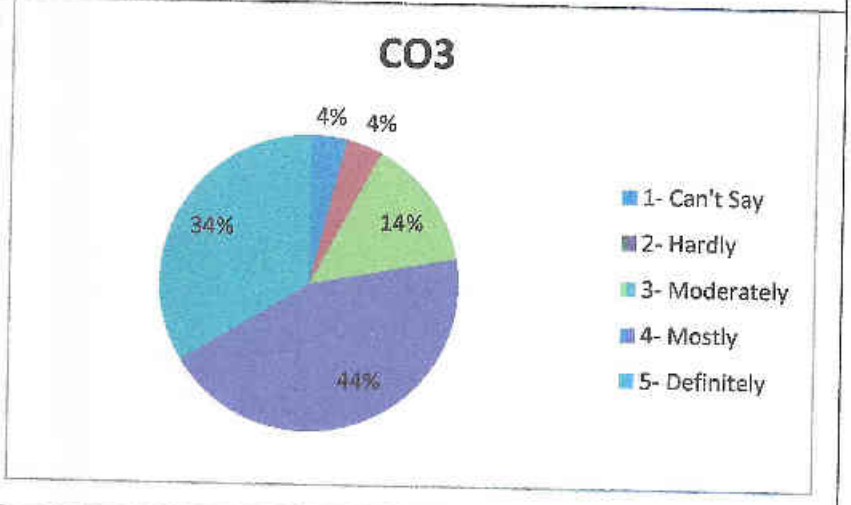
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics-III

Subject Teacher - Prof. Madhukar Andhale

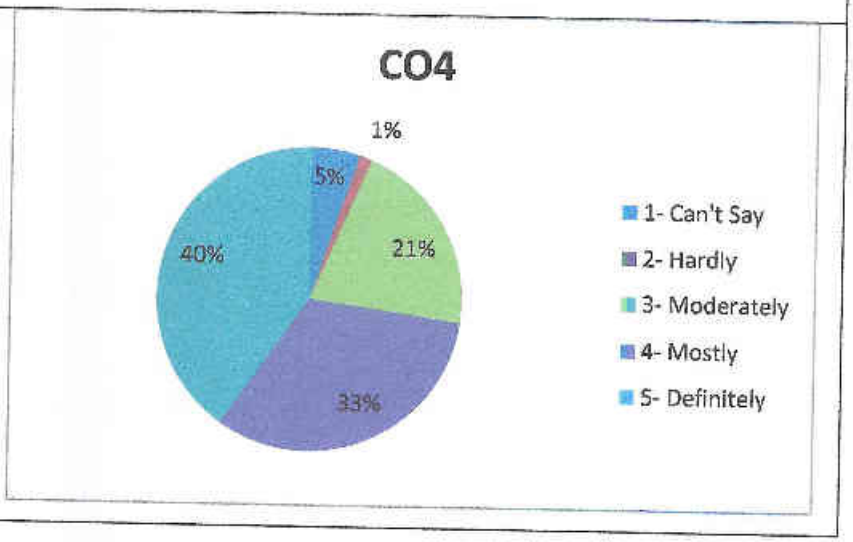
CO3: Are you able to Determine and develop Fourier series for real life problems and applications.

Score	No. of students	Percentage (%)
1- Can't Say	3	4
2- Hardly	3	4
3- Moderately	11	14
4- Mostly	34	44
5- Definitely	26	34
Total	77	100



CO4: Are you able to Apply the properties of Complex analysis and select the application to orthogonal trajectories.

Score	No. of students	Percentage (%)
1- Can't Say	4	5
2- Hardly	1	1
3- Moderately	16	21
4- Mostly	25	32
5- Definitely	31	40
Total	77	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

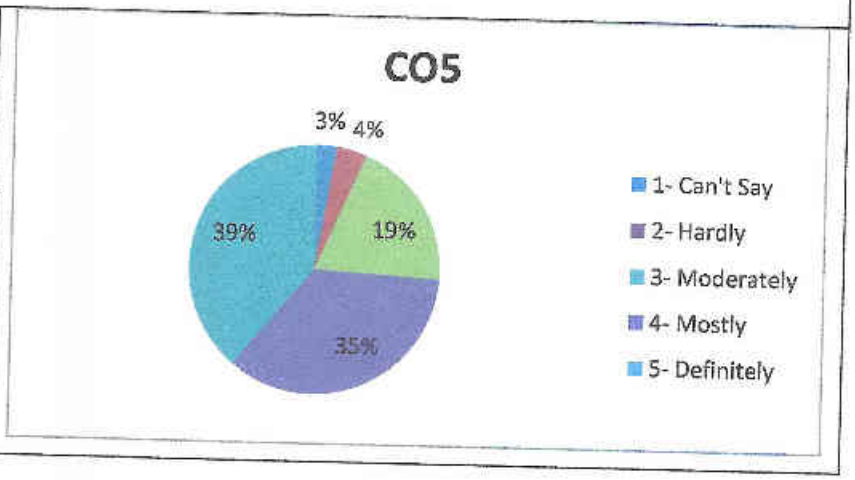
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics-III

Subject Teacher - Prof. Madhukar Andhale

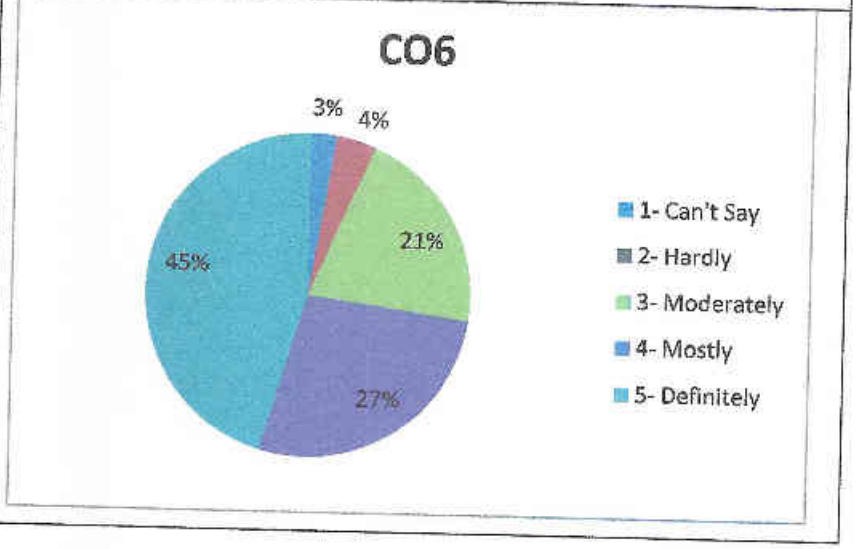
CO5: Are you able to Use the concept of matrices to solve problems in machine learning, computer graphics and in Google page ranking

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	3	4
3- Moderately	15	19
4- Mostly	27	35
5- Definitely	30	39
Total	77	100



CO6: Are you able to solve partial differential equations and analytical method for one dimensional heat and wave equations

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	3	4
3- Moderately	16	21
4- Mostly	21	27
5- Definitely	35	45
Total	77	100



HOD (Civil)

Principal (SCOE)

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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

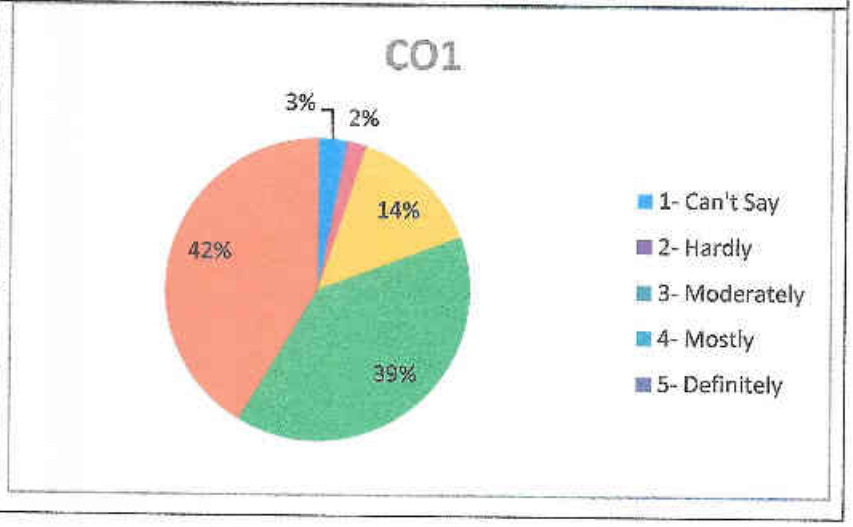
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanics- I LAB

Subject Teacher - Prof. Ashwini Bhodkhe / Prof. Pooja Somani

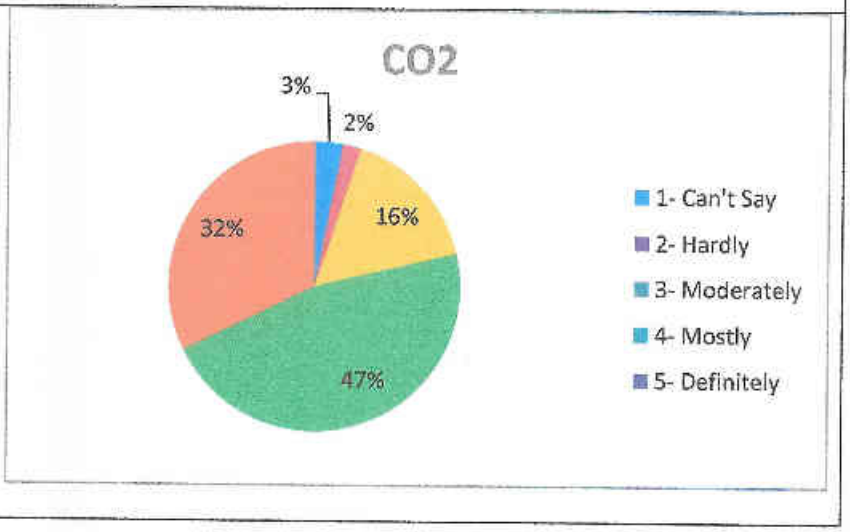
CO1: To determine Metacentric Height of given ship model

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	2	2
3- Moderately	14	14
4- Mostly	39	39
5- Definitely	41	41
Total	99	100



CO2: To determine coefficient of discharge through Venturimeter

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	2	2
3- Moderately	16	16
4- Mostly	46	46
5- Definitely	32	32
Total	99	100



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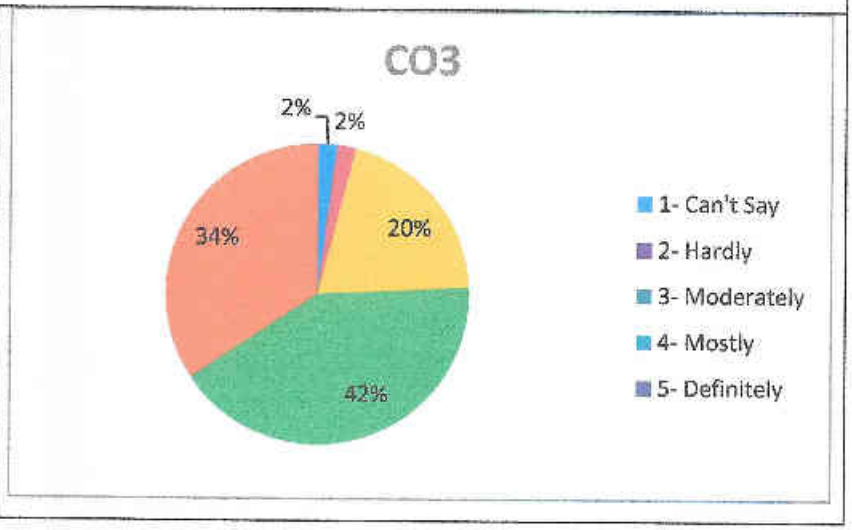
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanics- I LAB

Subject Teacher - Prof. Ashwini Bhodkhe / Prof. Pooja Somani

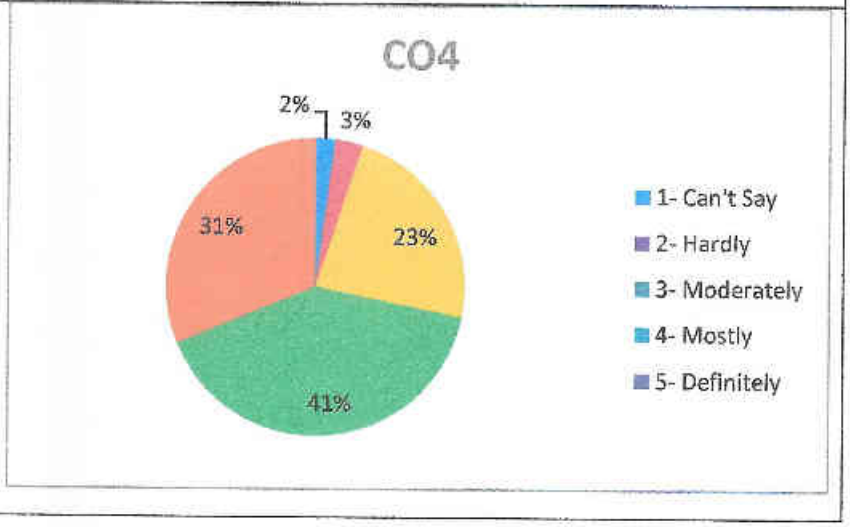
CO3: To compare theortical and actual discharge of pipe flowing through orificemeter and calculate coefficient of discharge of Orifice meter.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	20	20
4- Mostly	41	41
5- Definitely	34	34
Total	99	100



CO4: To verify Bernoulli's Theorem experimentally

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	23	23
4- Mostly	40	40
5- Definitely	31	31
Total	99	100



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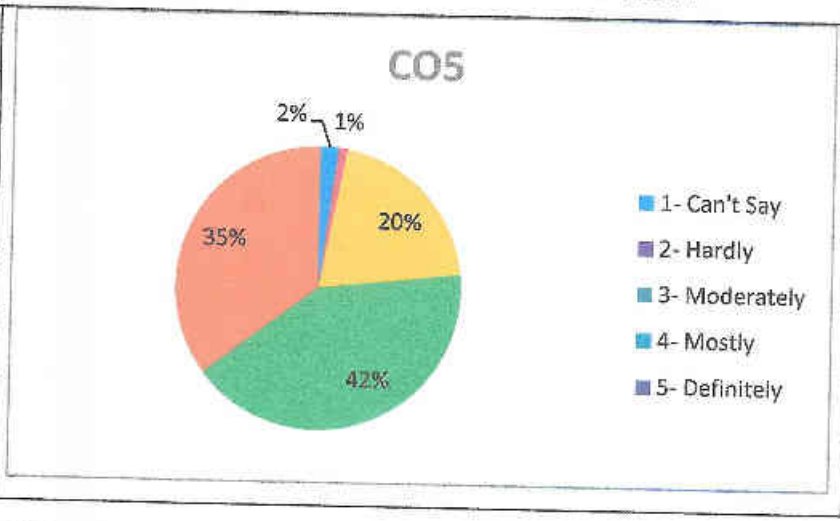
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanics- I LAB

Subject Teacher - Prof. Ashwini Bhodkhe / Prof. Pooja Somani

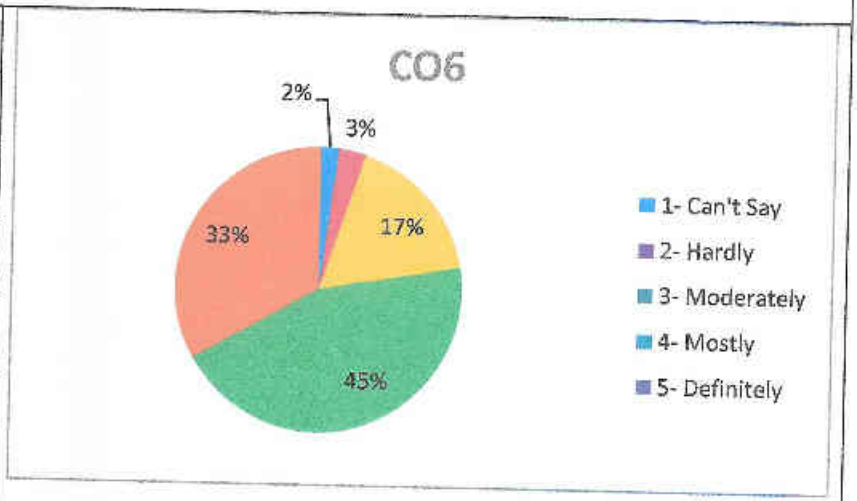
CO5: To determine the co efficient of discharge (Cd) of the given notch for different rates of flow

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	20	20
4- Mostly	41	41
5- Definitely	35	35
Total	99	100



CO6: To compute coefficient of discharge of weirs

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	17	17
4- Mostly	44	44
5- Definitely	33	33
Total	99	100



HOD (Civil)

Principal (SCOE)

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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

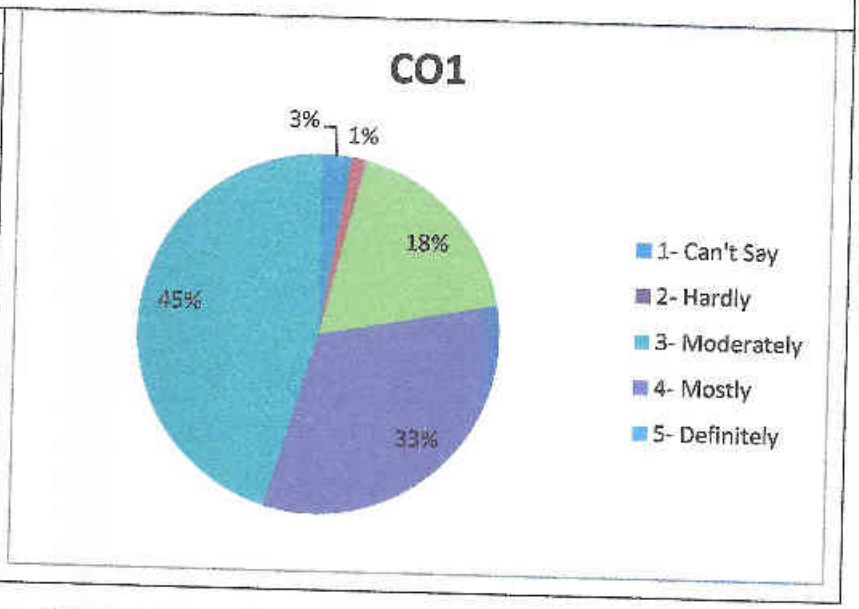
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics-III

Subject Teacher - Prof. Madhukar Andhale

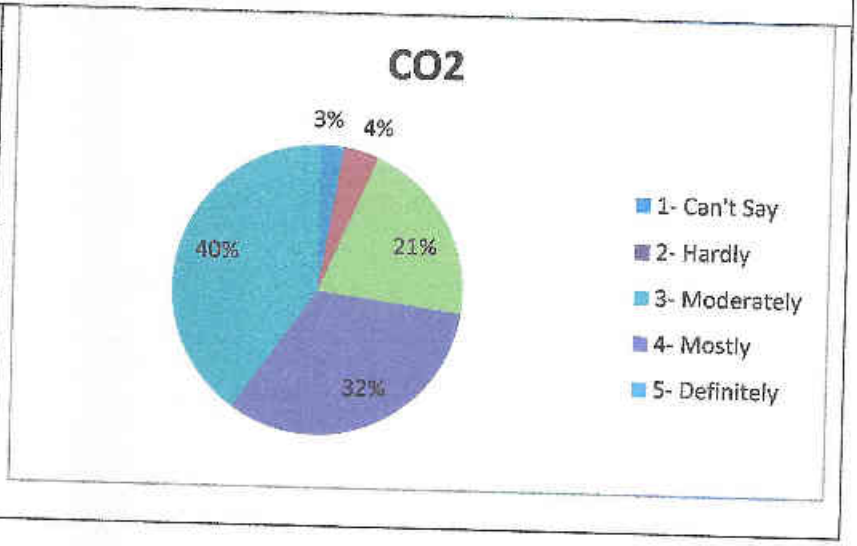
CO1: Are you able to Apply the concept of Laplace transforms and use to solve real integrals in engineering problems

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	1	1
3- Moderately	14	18
4- Mostly	25	32
5- Definitely	35	45
Total	77	100



CO2: Are you able to Identify the concept of inverse linear transform and compare to various functions and its applications

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	3	4
3- Moderately	16	21
4- Mostly	25	32
5- Definitely	31	40
Total	77	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

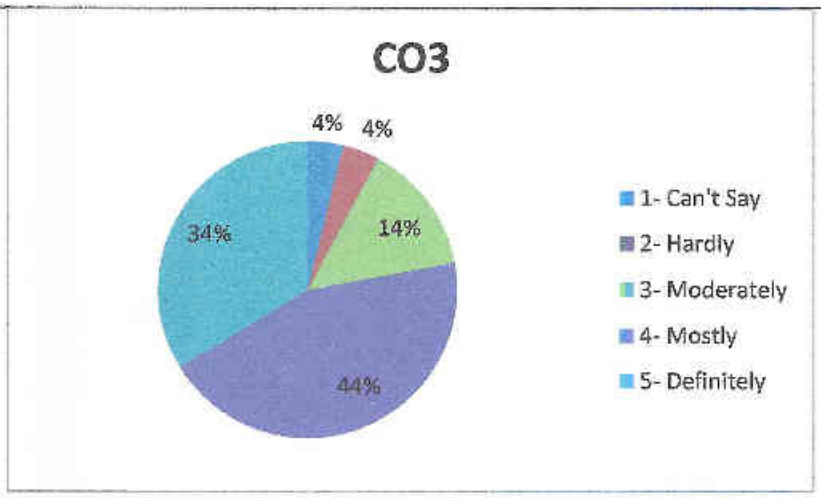
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics-III

Subject Teacher - Prof. Madhukar Andhale

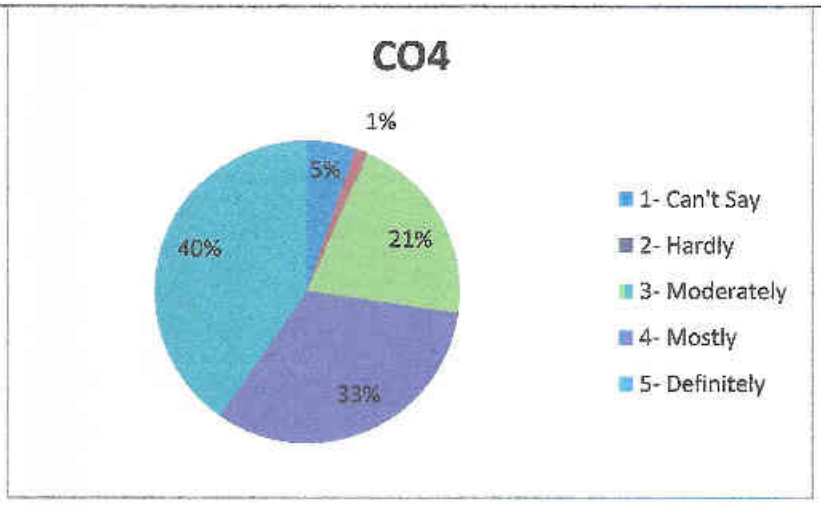
CO3: Are you able to Determine and develop Fourier series for real life problems and applications.

Score	No. of students	Percentage (%)
1- Can't Say	3	4
2- Hardly	3	4
3- Moderately	11	14
4- Mostly	34	44
5- Definitely	26	34
Total	77	100



CO4: Are you able to Apply the properties of Complex analysis and select the application to orthogonal trajectories.

Score	No. of students	Percentage (%)
1- Can't Say	4	5
2- Hardly	1	1
3- Moderately	16	21
4- Mostly	25	32
5- Definitely	31	40
Total	77	100



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Academic Year: 2021-22 (Odd)

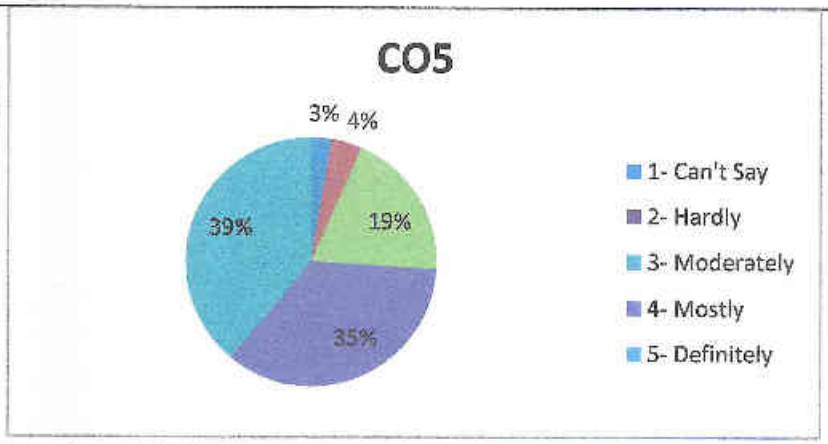
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics-III

Subject Teacher - Prof. Madhukar Andhale

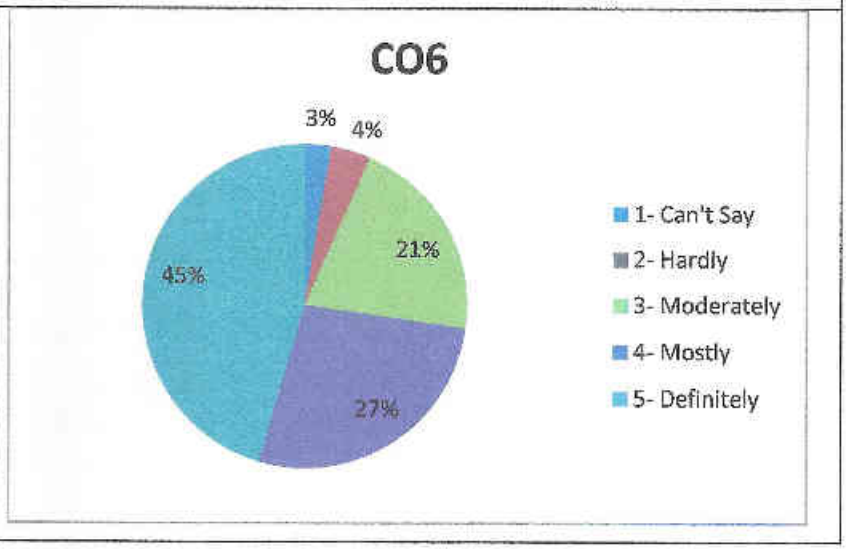
CO5: Are you able to Use the concept of matrices to solve problems in machine learning, computer graphics and in Google page ranking

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	3	4
3- Moderately	15	19
4- Mostly	27	35
5- Definitely	30	39
Total	77	100



CO6: Are you able to solve partial differential equations and analytical method for one dimensional heat and wave equations

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	3	4
3- Moderately	16	21
4- Mostly	21	27
5- Definitely	35	45
Total	77	100



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Academic Year: 2021-22 (Odd)

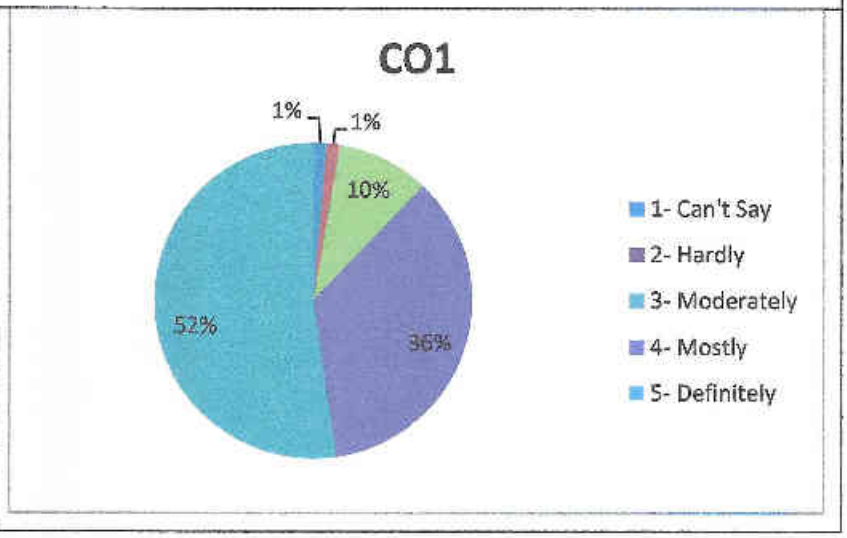
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanics- I

Subject Teacher - Prof. Pooja Somani / Prof. Ashwini Bhodkhe

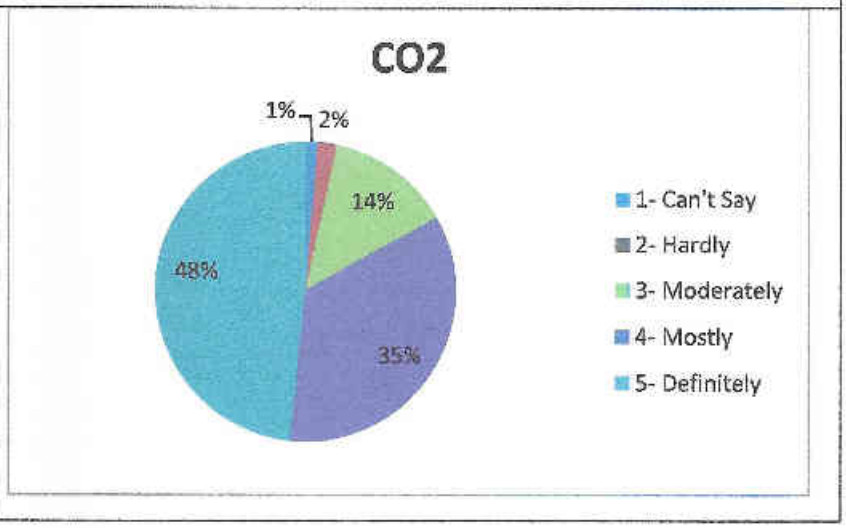
CO1: Analyze flow through pipes, various losses through pipes, pipe network.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	2	1
3- Moderately	14	9
4- Mostly	53	36
5- Definitely	78	52
Total	149	100



CO2: Explain the concept of Laminar flow and velocity distribution throughparallel plates and pipes

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	3	2
3- Moderately	20	13
4- Mostly	52	35
5- Definitely	72	48
Total	149	100



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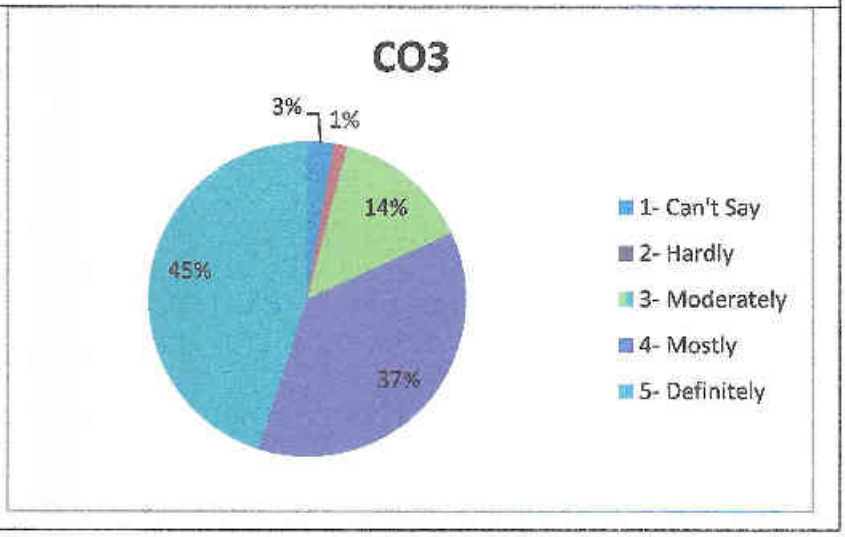
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanics- I

Subject Teacher - Prof. Pooja Somani / Prof. Ashwini Bhodkhe

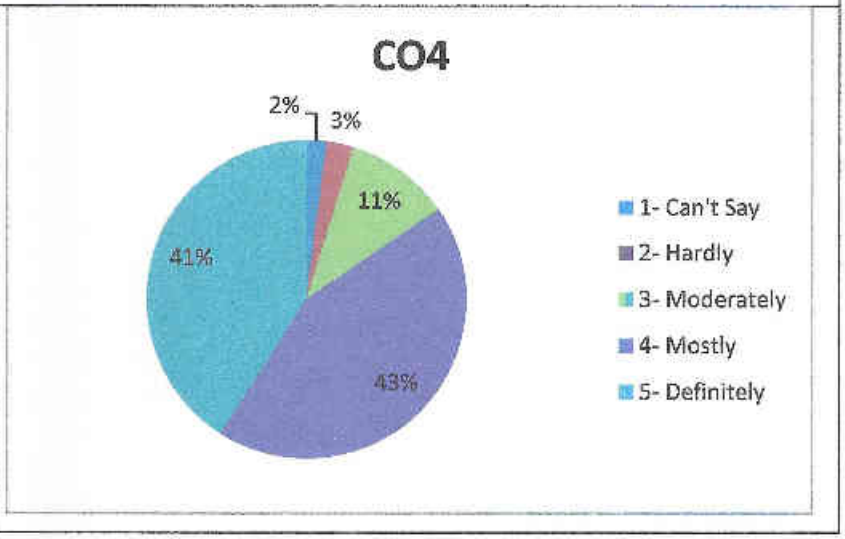
CO3: Explain the concept of Turbulent flow and velocity distribution in pipes

Score	No. of students	Percentage (%)
1- Can't Say	4	3
2- Hardly	2	1
3- Moderately	21	14
4- Mostly	55	37
5- Definitely	67	45
Total	149	100



CO4: Describe boundary layer concept, boundary layer separation and flow around submerged bodies

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	4	3
3- Moderately	16	11
4- Mostly	65	44
5- Definitely	61	41
Total	149	100



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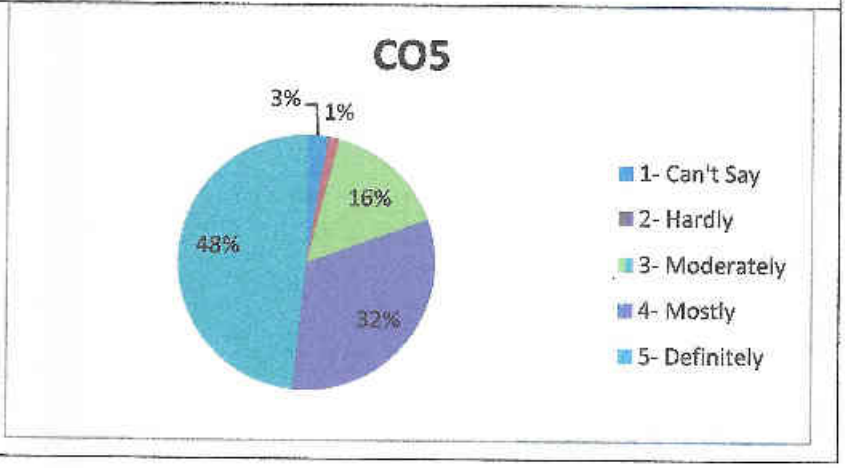
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanics- I

Subject Teacher - Prof. Pooja Somani / Prof. Ashwini Bhodkhe

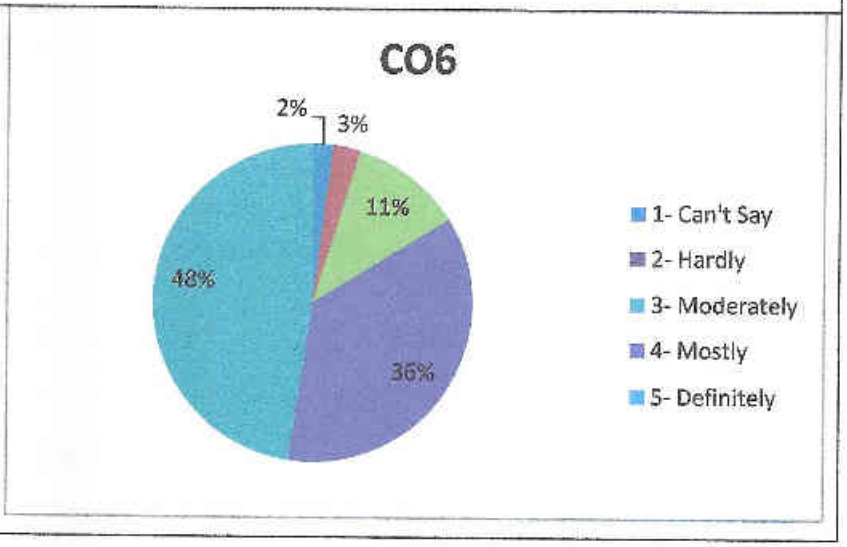
CO5: Apply Moment of Momentum Principle to pipe bend and sprinkler numericals

Score	No. of students	Percentage (%)
1- Can't Say	4	3
2- Hardly	2	1
3- Moderately	23	15
4- Mostly	48	32
5- Definitely	72	48
Total	149	100



CO6: Explain the importance of dimensionless numbers, dimensional analysisand similarity behavior of model and prototype

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	4	3
3- Moderately	17	11
4- Mostly	54	36
5- Definitely	71	48
Total	149	100



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Academic Year: 2021-22 (Odd)

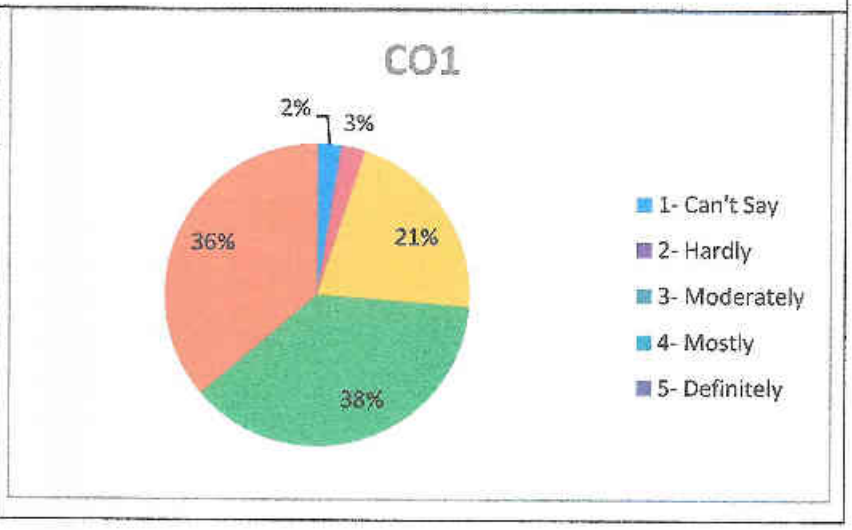
Course Exit Analysis Report (SEM III)

Subject – Mechanics of Solids

Subject Teacher - Prof. Hemant Sarje / Prof. Harshal Deshpande

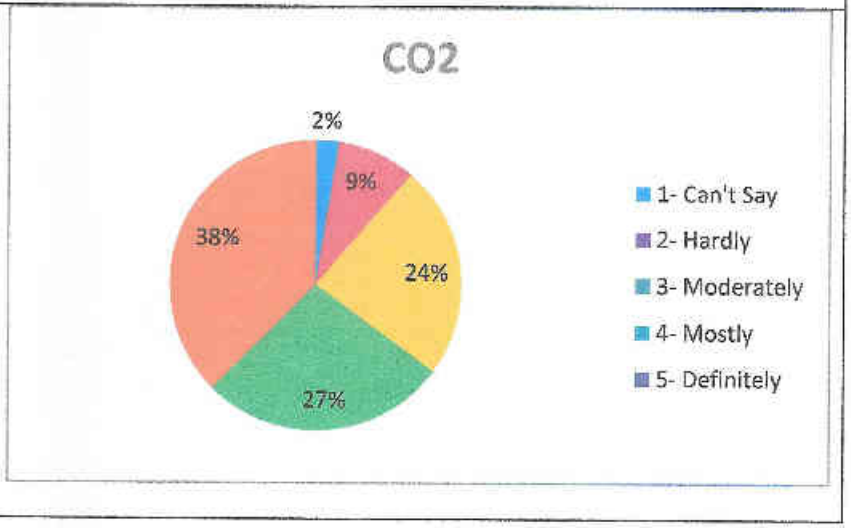
CO1: Are you able to determine the engineering properties for metals and non-metals and the strains induced Along with its effects on thin shells

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	2	3
3- Moderately	17	21
4- Mostly	30	38
5- Definitely	29	36
Total	80	100



CO2: Are you able to Understand the concepts of shear force, bending moment, axial force for statically determinate beams And determinate frames

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	7	9
3- Moderately	19	24
4- Mostly	22	28
5- Definitely	30	38
Total	80	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

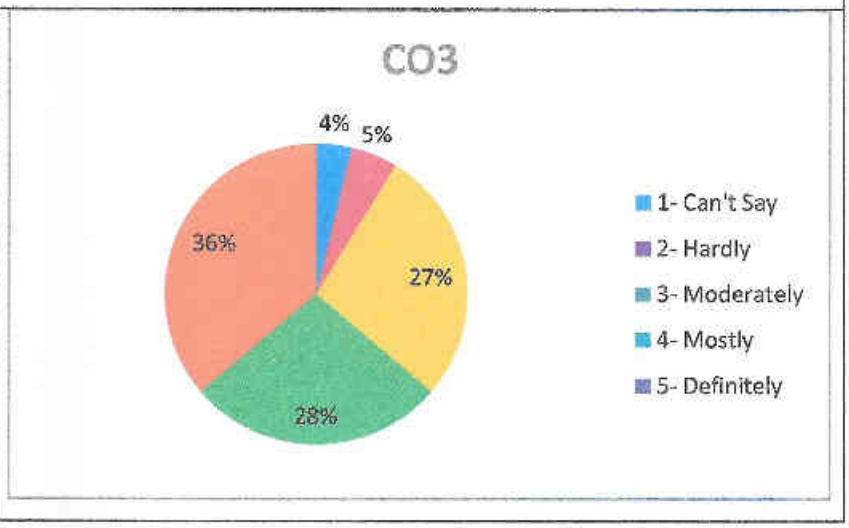
Course Exit Analysis Report (SEM III)

Subject – Mechanics of Solids

Subject Teacher - Prof. Hemant Sarje / Prof. Harshal Deshpande

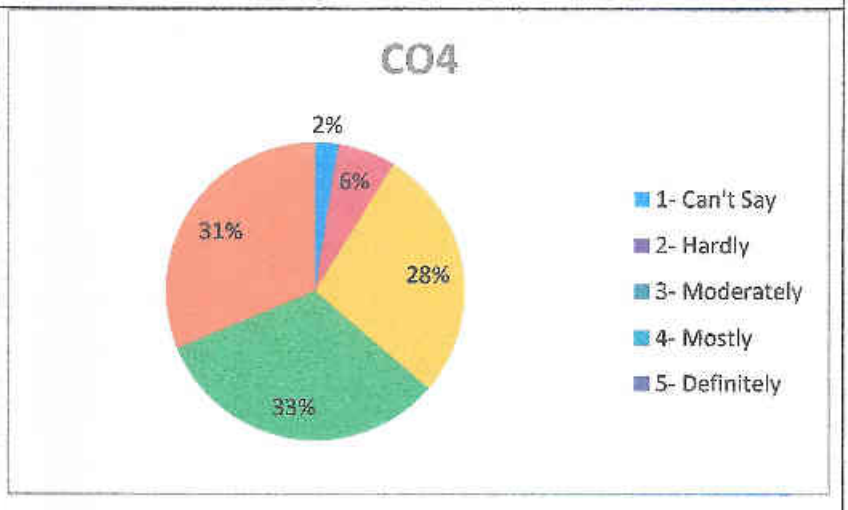
CO3: Are you able toIdentify the flexural members for its structural behavior under the effect of flexure with respect to theory of simple bending

Score	No. of students	Percentage (%)
1- Can't Say	3	4
2- Hardly	4	5
3- Moderately	22	28
4- Mostly	22	28
5- Definitely	29	36
Total	80	100



CO4:Are you able toGenerate the behavior of the structural member under the action of shear and torsional forces either independently or in combination of both for beams.

Score	No. of students	Percentage (%)
1- Can't Say	2	3
2- Hardly	5	6
3- Moderately	22	28
4- Mostly	26	33
5- Definitely	25	31
Total	80	100



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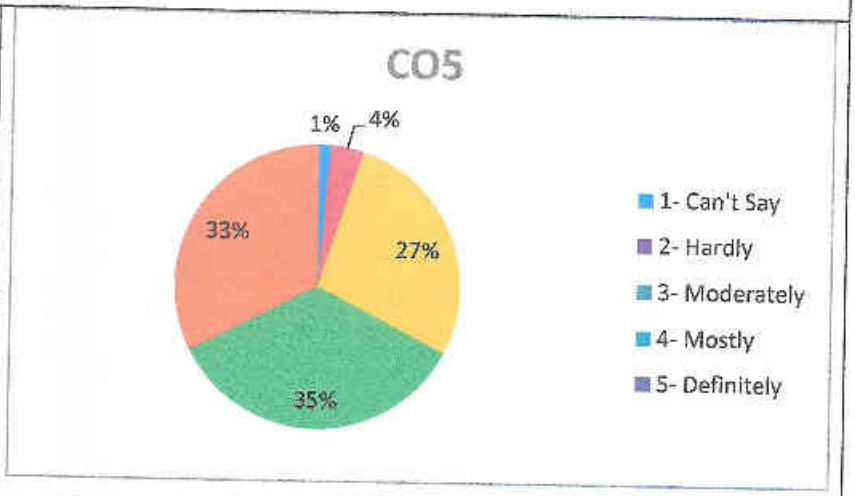
Course Exit Analysis Report (SEM III)

Subject – Mechanics of Solids

Subject Teacher - Prof. Hemant Sarje / Prof. Harshal Deshpande

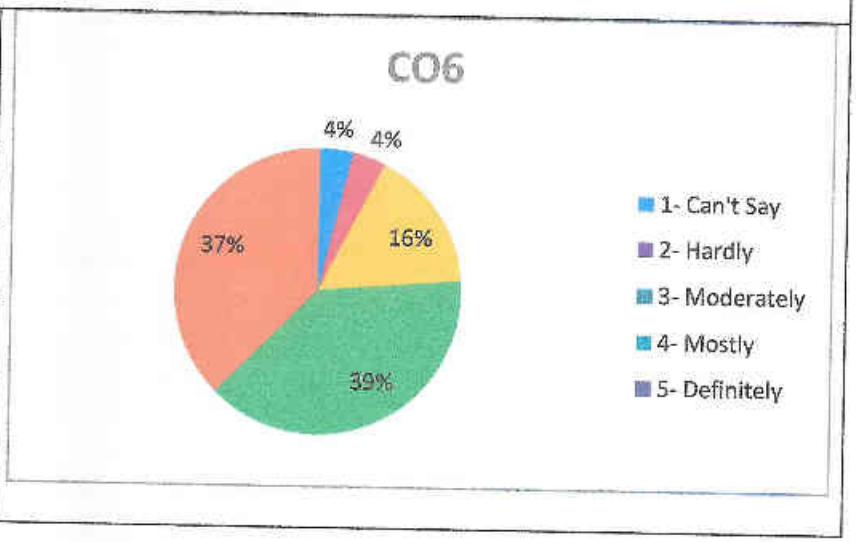
CO5: Are you able toStudy the deformation behavior of axially loaded columns having different end conditions and further, evaluate the strength of such columns

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	4
3- Moderately	22	28
4- Mostly	28	35
5- Definitely	26	33
Total	80	100



CO6: Are you able to Develop the concepts of principal plains and stresses and basics of slope deflection theory for structures

Score	No. of students	Percentage (%)
1- Can't Say	3	4
2- Hardly	3	4
3- Moderately	13	16
4- Mostly	31	39
5- Definitely	30	38
Total	80	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

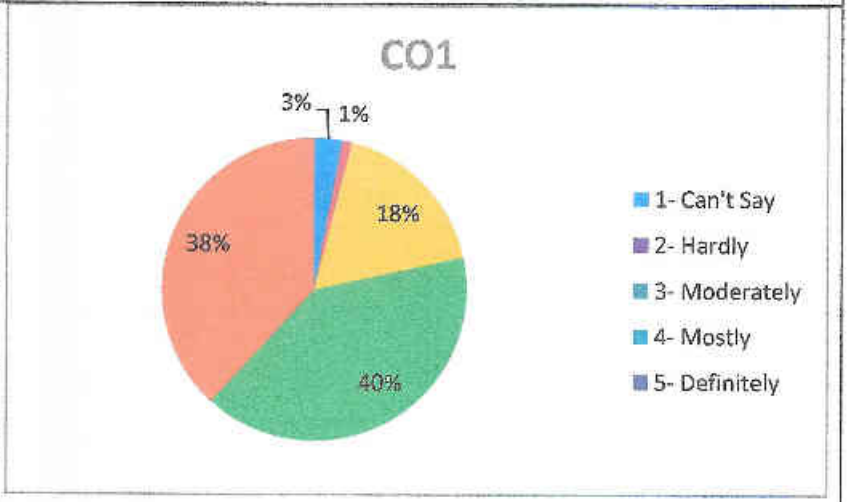
Course Exit Analysis Report (SEM III)

Subject – Mechanics of Solids LAB

Subject Teacher - Prof. Hemant Sarje / Prof. Harshal Deshpande

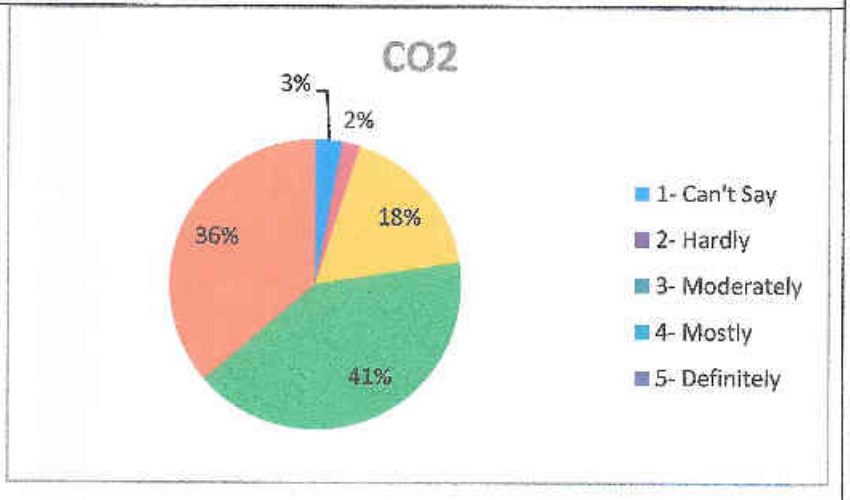
CO1: Determine the engineering properties for metals and non-metals and the strains induced

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	1	1
3- Moderately	18	18
4- Mostly	41	40
5- Definitely	39	38
Total	102	100



CO2: Understand the concepts of shear force, bending moment, axial force for staticallydeterminate beams and compound beams having internal hinges; and subsequently, itsapplication to draw the shear force, bending moment and axial force diagrams

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	2	2
3- Moderately	18	18
4- Mostly	42	41
5- Definitely	37	36
Total	102	100



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Academic Year: 2021-22 (Odd)

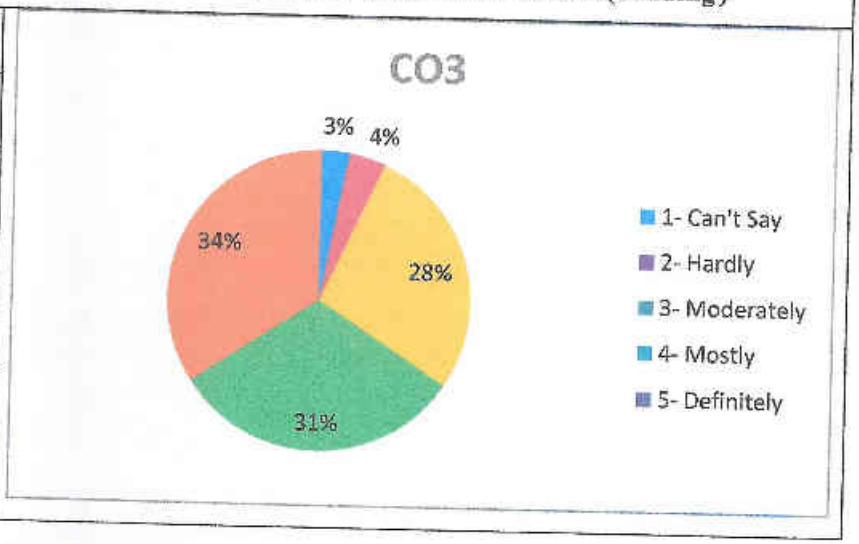
Course Exit Analysis Report (SEM III)

Subject – Mechanics of Solids LAB

Subject Teacher - Prof. Hemant Sarje / Prof. Harshal Deshpande

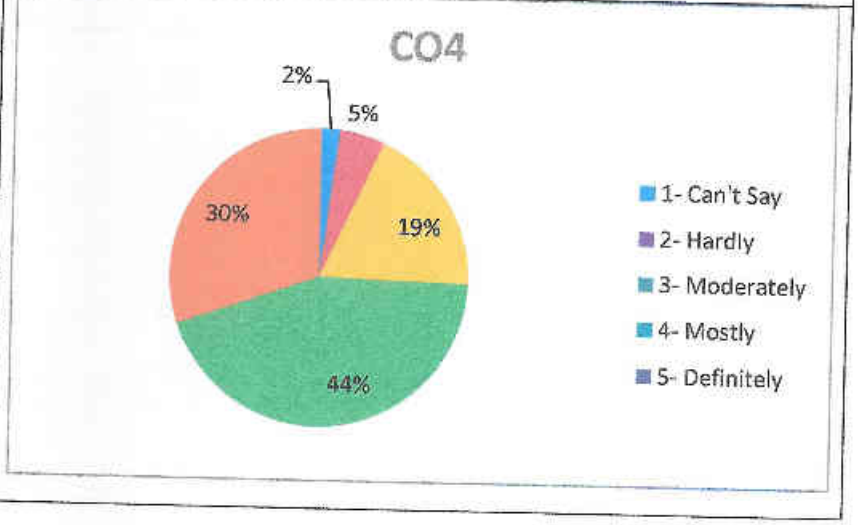
CO3: Identify the flexural members for its structural behavior under the effect of flexure(bending)

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	4	4
3- Moderately	28	27
4- Mostly	32	31
5- Definitely	35	34
Total	102	100



CO4: Generate the behavior of the structural member under the action of shear and torsioneither independently or in combination

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	5	5
3- Moderately	19	19
4- Mostly	45	44
5- Definitely	31	30
Total	102	100



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Academic Year: 2021-22 (Odd)

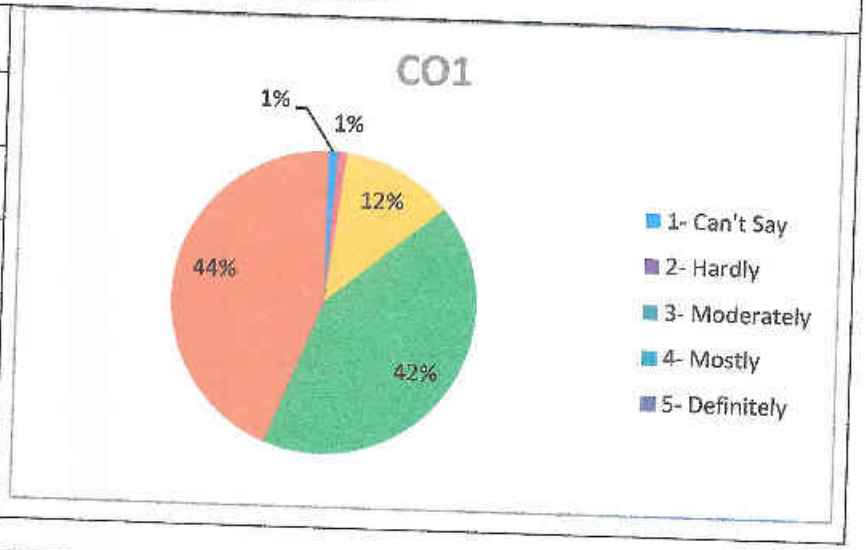
Course Exit Analysis Report (SEM III)

Subject – Mini Project – 1 A

Subject Teacher - Prof. Sujaya Wadekar / Prof. Deepali Phadatare

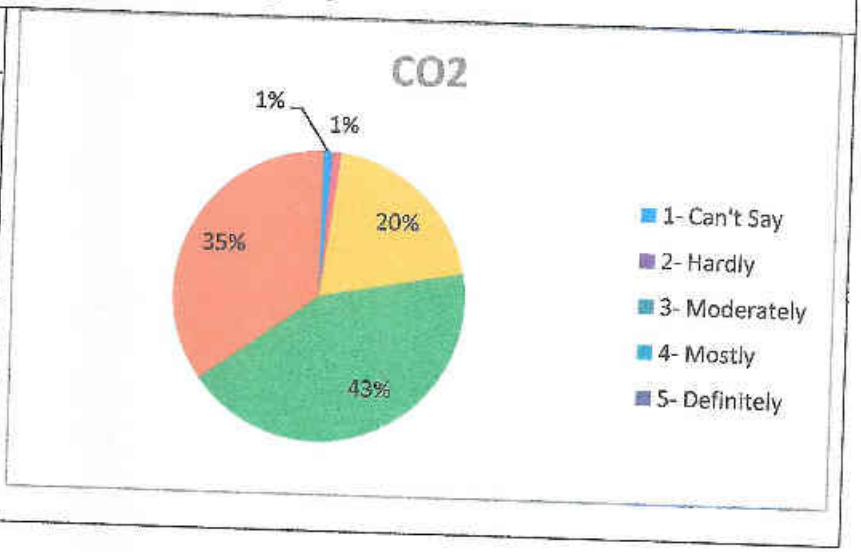
CO1: To identify problems and needs based on societal/research needs .

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	12	12
4- Mostly	42	42
5- Definitely	44	44
Total	100	100



CO2: To get accustom to the process of solving a problem in a group.

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



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Academic Year: 2021-22 (Odd)

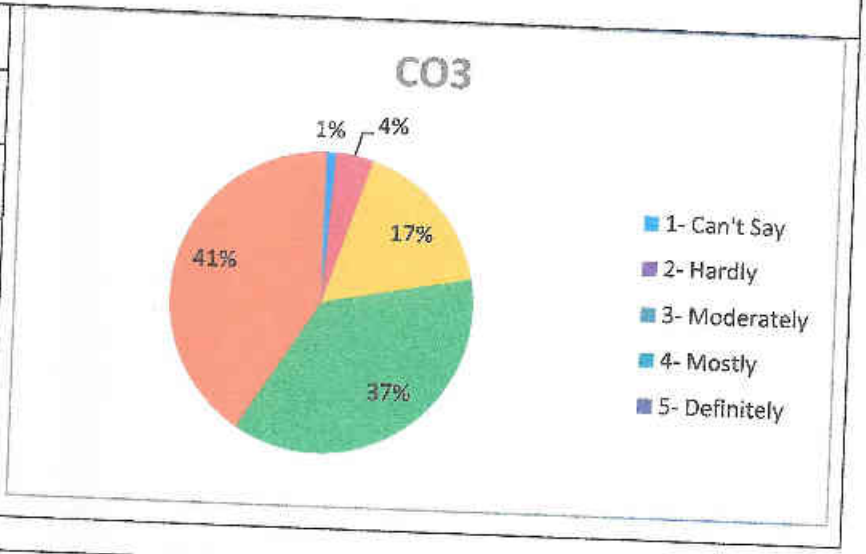
Course Exit Analysis Report (SEM III)

Subject – Mini Project – 1 A

Subject Teacher - Prof. Sujaya Wadekar / Prof. Deepali Phadatare

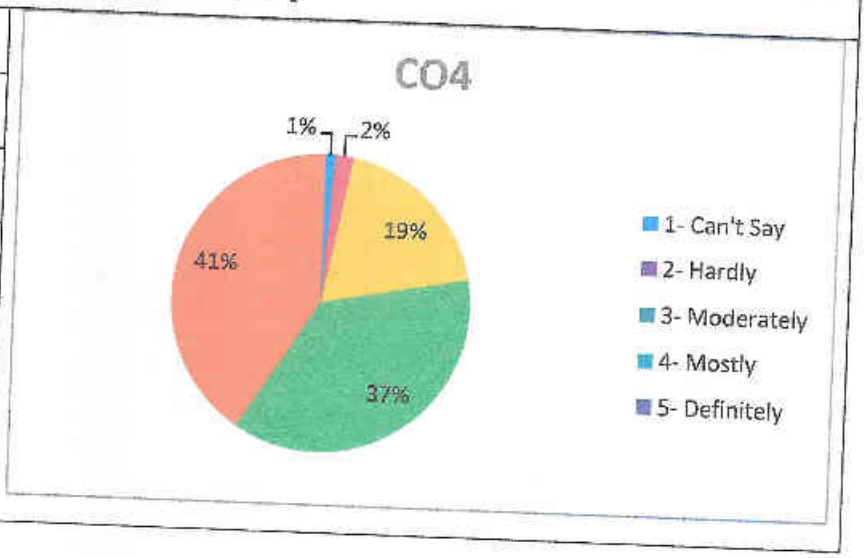
CO3: To acquaint with the process of applying basic engineering fundamentals to attempt solutions to the problems.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	4
3- Moderately	17	17
4- Mostly	37	37
5- Definitely	41	41
Total	100	100



CO4: To implant interpersonal skills to work and lead in a group.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	2
3- Moderately	19	19
4- Mostly	37	37
5- Definitely	41	41
Total	100	100



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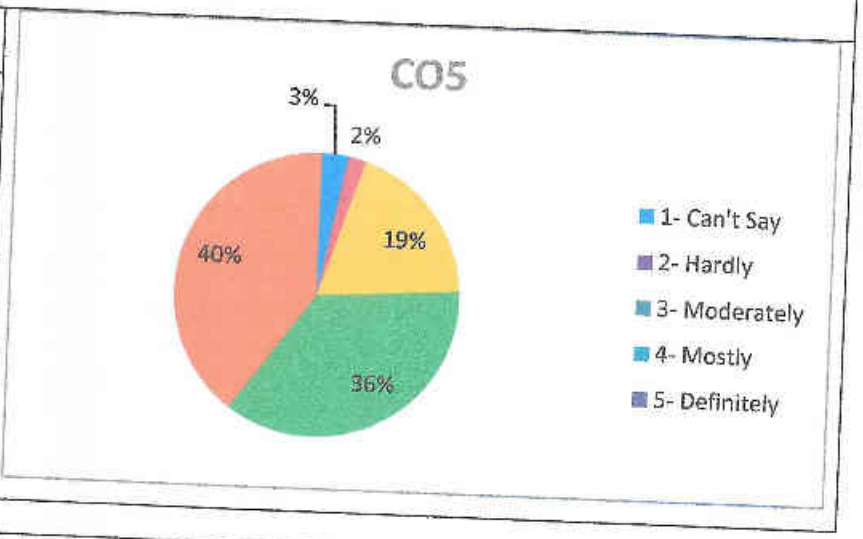
Course Exit Analysis Report (SEM III)

Subject – Mini Project – 1 A

Subject Teacher - Prof. Sujaya Wadekar / Prof. Deepali Phadatare

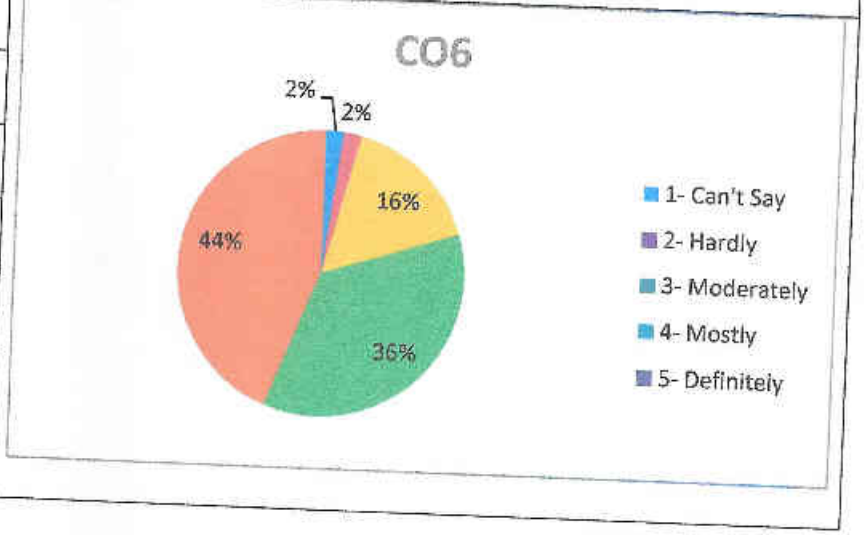
CO5: To inculcate the process of self learning and research.

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	2	2
3- Moderately	19	19
4- Mostly	36	36
5- Definitely	40	40
Total	100	100



CO6: To acquaint with the process of Project management.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	16	16
4- Mostly	36	36
5- Definitely	44	44
Total	100	100



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Academic Year: 2021-22 (Odd)

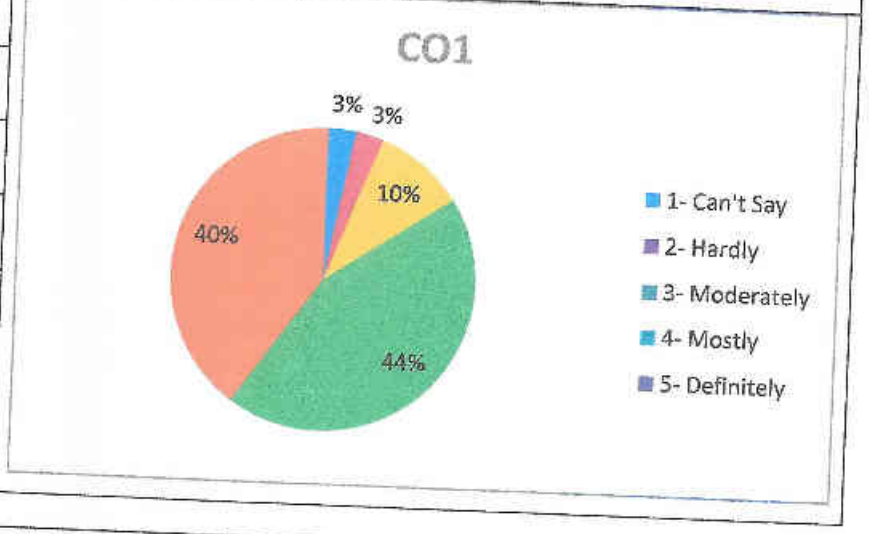
Course Exit Analysis Report (SEM III)

Subject – Skill Based Lab Course-I

Subject Teacher - Prof. Irfan Shiekh / Prof. Deepali Phadatare

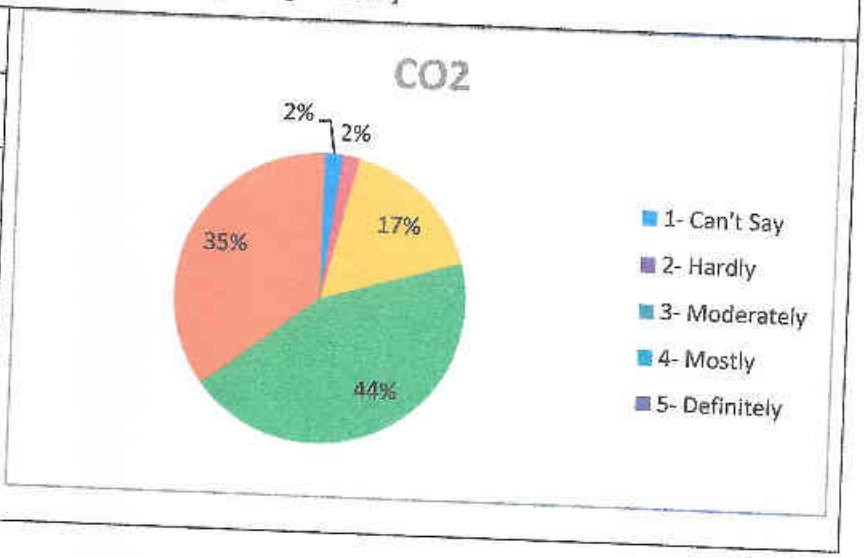
CO1: Are you able to make use of software to Transfer the plan from a drawing sheet to a 2-D drafting software]

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	3	3
3- Moderately	10	10
4- Mostly	45	44
5- Definitely	41	40
Total	102	100



CO2: Are you able to illustrate the various elements in the software like points, lines, polygons, etc. as objects of the real world and relate it with civil engineering components.]

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	17	17
4- Mostly	45	44
5- Definitely	36	35
Total	102	100



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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

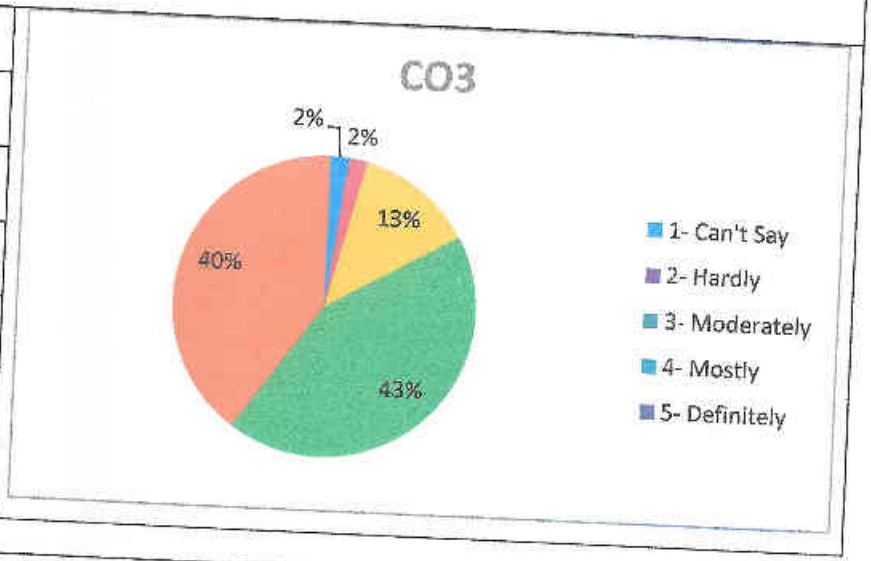
Course Exit Analysis Report (SEM III)

Subject – Skill Based Lab Course-I

Subject Teacher - Prof. Irfan Shiekh / Prof. Deepali Phadatare

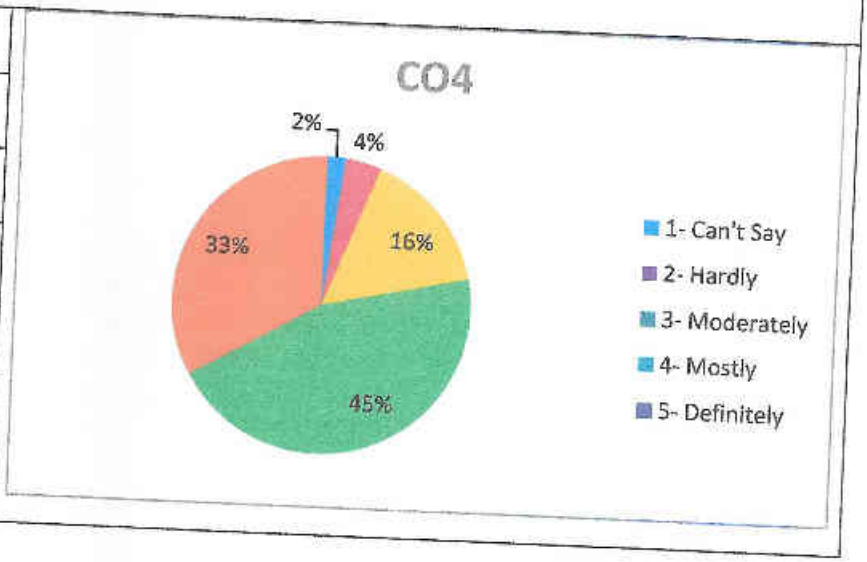
CO3: Are you able to apply civil engineering concepts to draft efficient civil engineering plans in accordance to various building bye laws and forms

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	13	13
4- Mostly	44	43
5- Definitely	41	40
Total	102	100



CO4: Are you able to understand the space, logistic and statutory constraints in the real world to draw an efficient plan so that optimization is achieved

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	4	4
3- Moderately	16	16
4- Mostly	46	45
5- Definitely	34	33
Total	102	100



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Academic Year: 2021-22 (Odd)

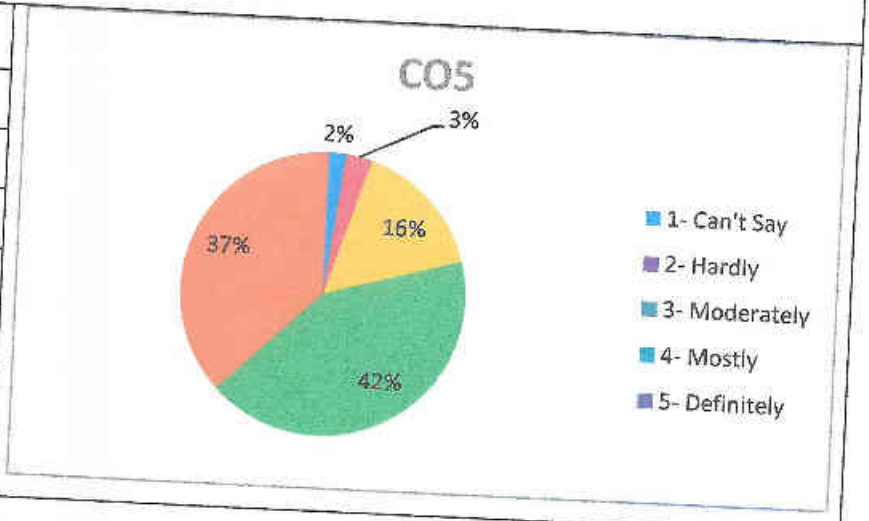
Course Exit Analysis Report (SEM III)

Subject – Skill Based Lab Course-I

Subject Teacher - Prof. Irfan Shiekh / Prof. Deepali Phadatare

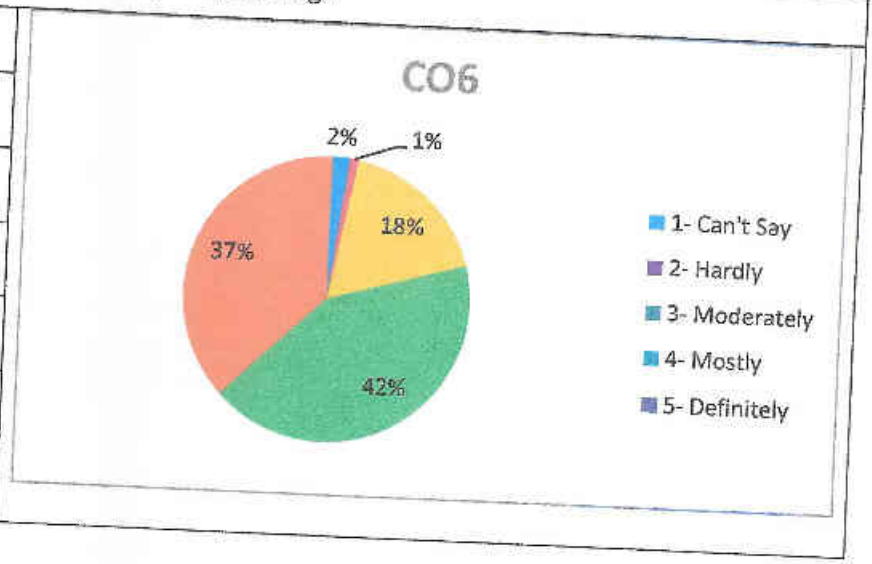
CO5: Are you able to integrate and retrieve information pertaining to various civil engineering components through 3-D modelling software

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	16	16
4- Mostly	43	42
5- Definitely	38	37
Total	102	100



CO6: Are you able demonstrate a virtual walkthrough of buildings

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	18	18
4- Mostly	43	42
5- Definitely	38	37
Total	102	100



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Academic Year: 2021-22 (Odd)

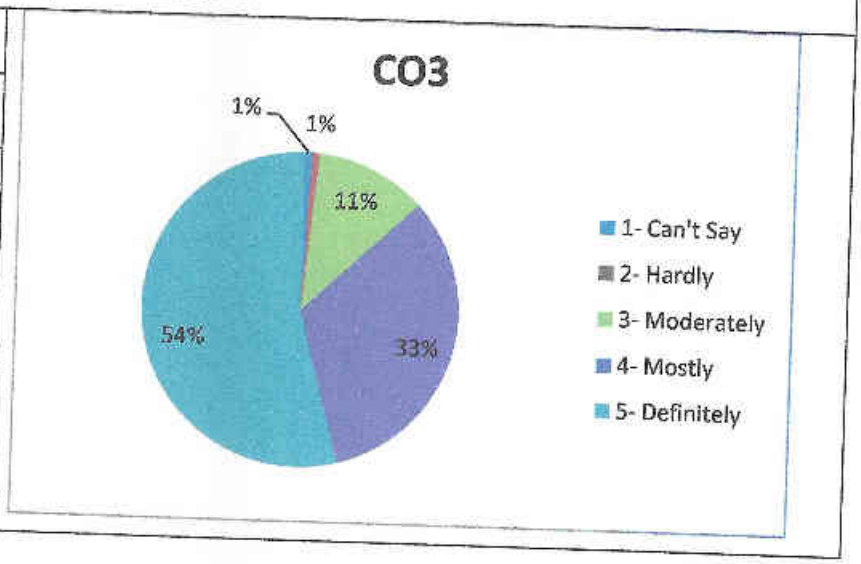
Course Exit Analysis Report (SEM V)

Subject – Advanced Concrete Technology

Subject Teacher - Prof. Manisha Wankhede / Kiran Phadtare / Deepali Phadatare

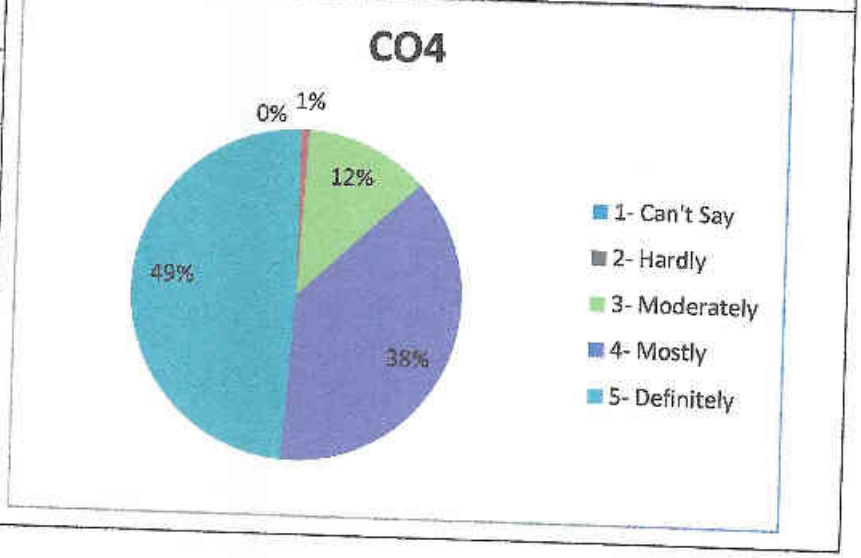
CO3: Describe the factors affecting durability of concrete.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	15	11
4- Mostly	43	33
5- Definitely	71	54
Total	131	100



CO4: Design the concrete mix with different methods for field applications

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	16	12
4- Mostly	50	38
5- Definitely	64	49
Total	131	100



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Academic Year: 2021-22 (Odd)

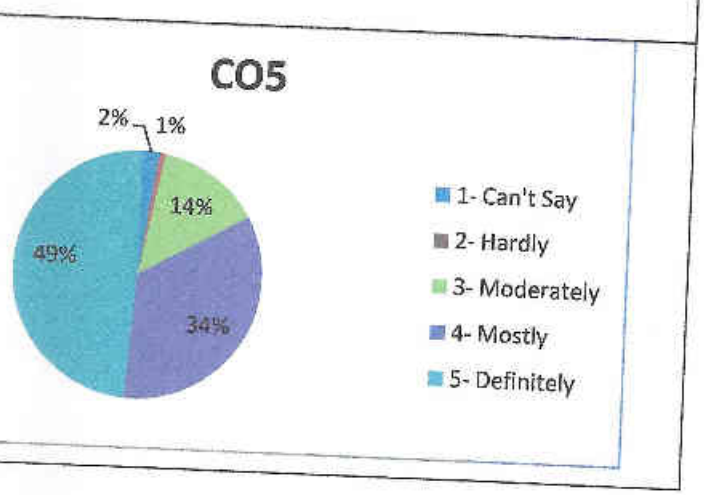
Course Exit Analysis Report (SEM V)

Subject – Advanced Concrete Technology

Subject Teacher - Prof. Manisha Wankhede / Kiran Phadtare / Deepali Phadatare

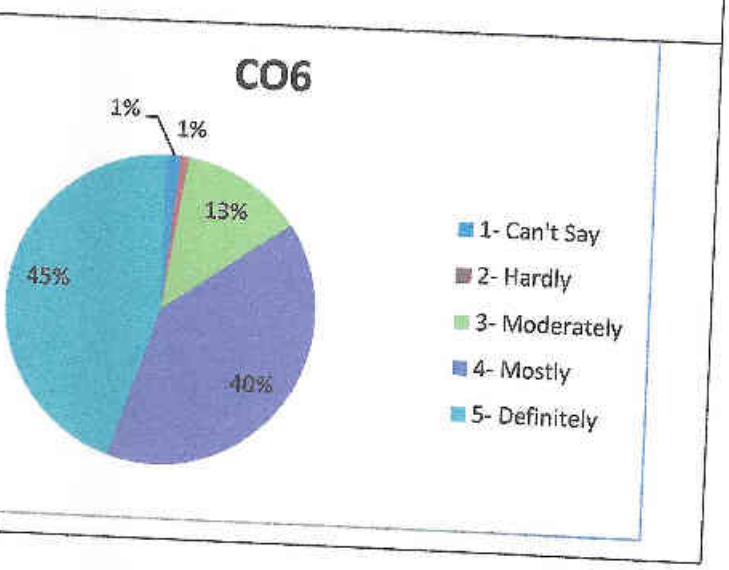
CO5: Able to understand the various constituents, properties, significance and applications of special concrete

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	1	1
3- Moderately	18	14
4- Mostly	45	34
5- Definitely	64	49
Total	131	100



CO6: Select the concrete mixes with the help of acceptance criteria and check the quality of concrete with statistical parameters.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	17	13
4- Mostly	52	40
5- Definitely	59	45
Total	131	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

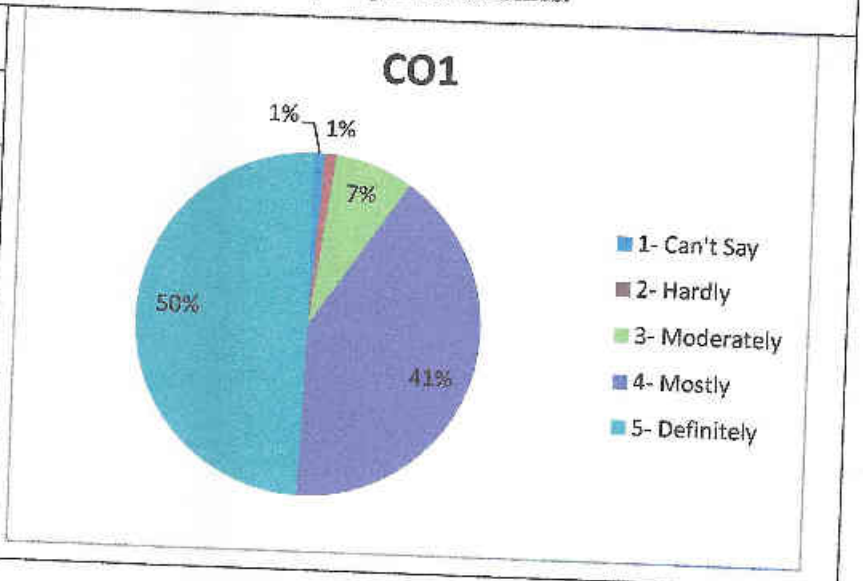
Course Exit Analysis Report (SEM V)

Subject – Advance Hydraulics Laboratory

Subject Teacher - Prof. Pooja Somani / Ashwini Bhodkhe

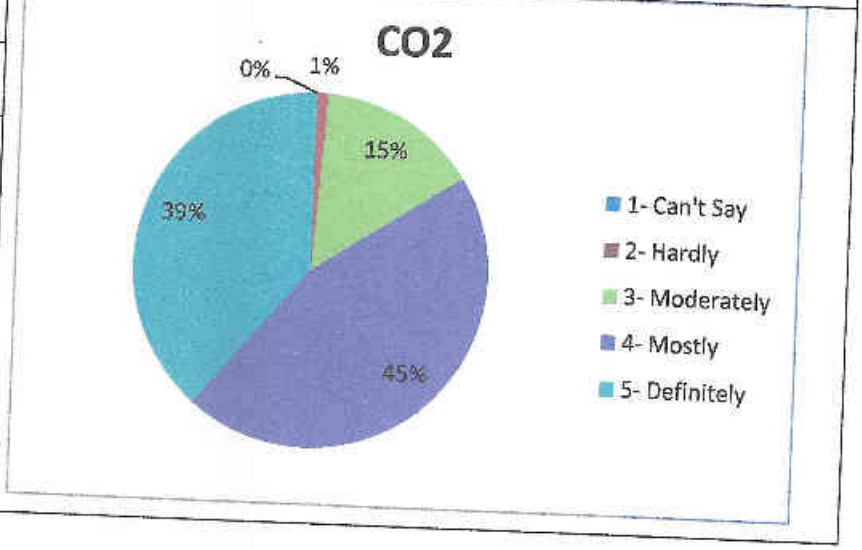
CO1: Evaluate the efficiencies and discuss the working of various pumps and turbines.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	7	7
4- Mostly	39	41
5- Definitely	47	49
Total	95	100



CO2: Apply impulse momentum principle to hydraulic machines.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	14	15
4- Mostly	43	45
5- Definitely	37	39
Total	95	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

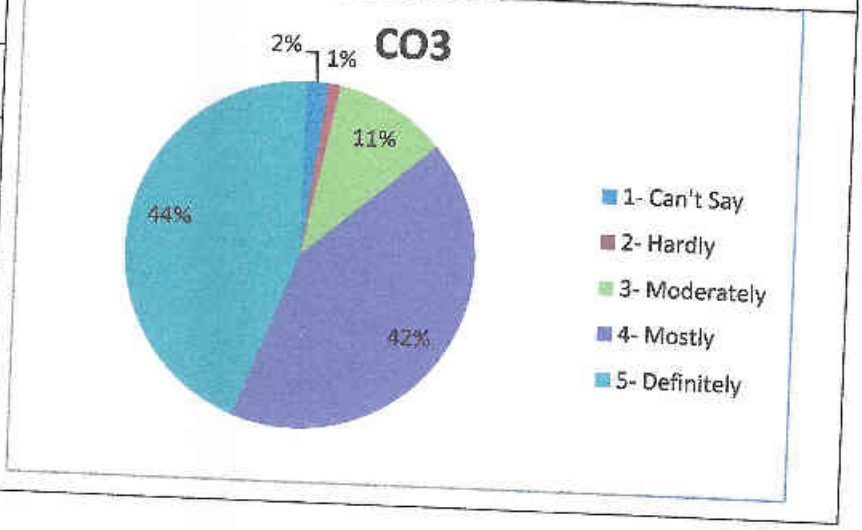
Course Exit Analysis Report (SEM V)

Subject – Advance Hydraulics Laboratory

Subject Teacher - Prof. Pooja Somani / Ashwini Bhodkhe

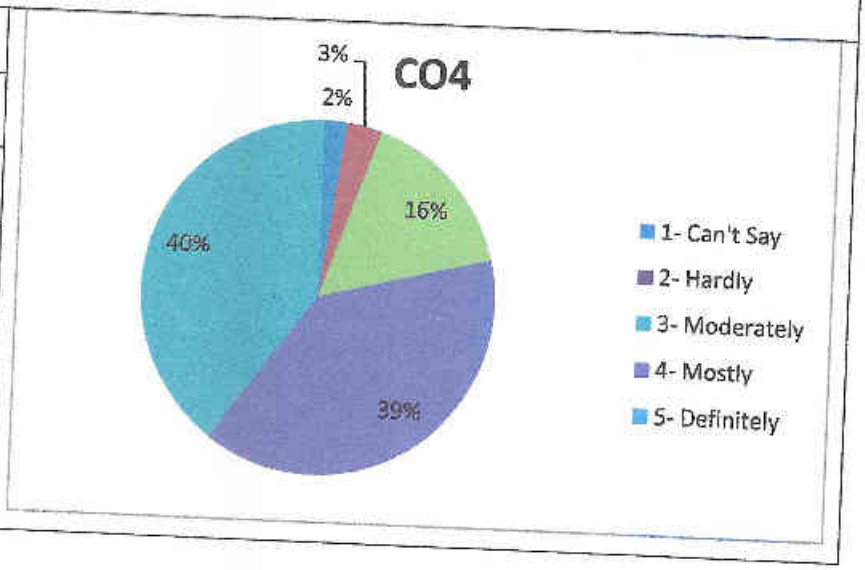
CO3: Determine the rate of flow through open channel

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	10	11
4- Mostly	40	42
5- Definitely	42	44
Total	95	100



CO4: Generate and evaluate Gradually varied flow (GVF) and Rapid varied Flow (RVF) in open channel flow.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	15	16
4- Mostly	37	39
5- Definitely	38	40
Total	95	100



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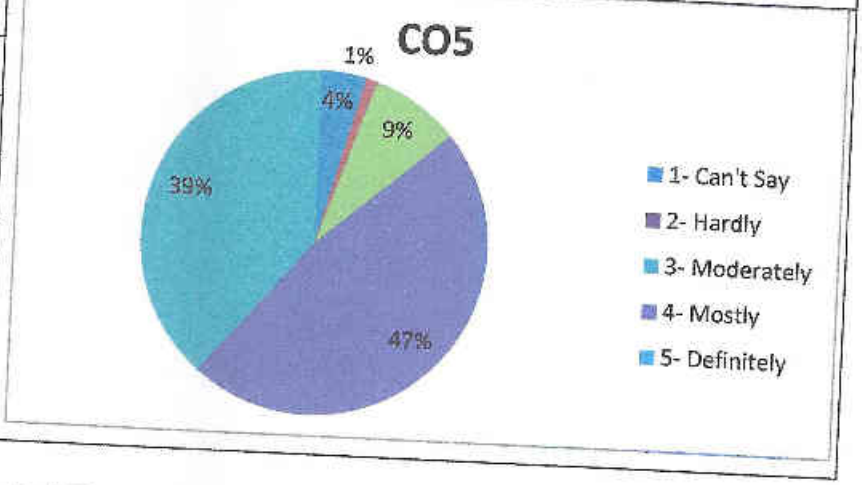
Course Exit Analysis Report (SEM V)

Subject – Advance Hydraulics Laboratory

Subject Teacher - Prof. Pooja Somani / Ashwini Bhodkhe

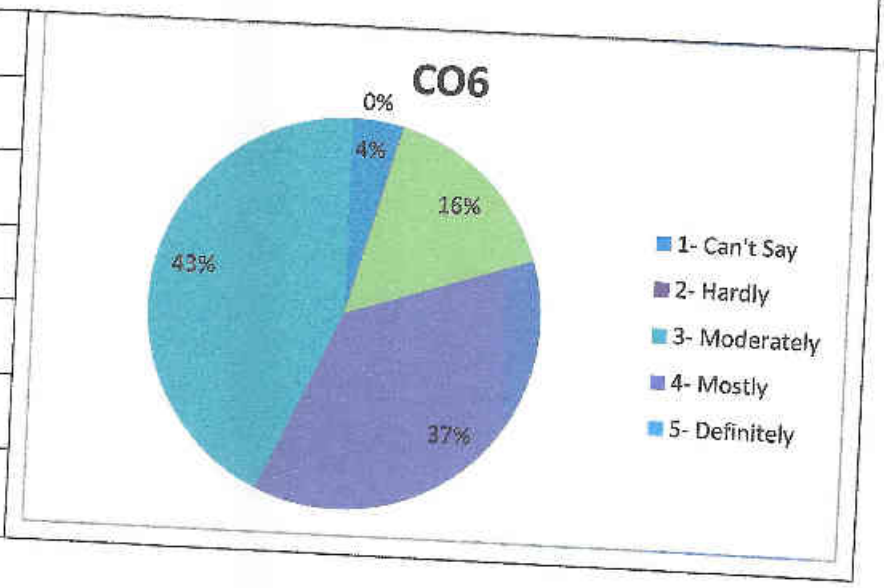
CO5: Compute the Chezy's Constant through tilting flume

Score	No. of students	Percentage (%)
1- Can't Say	4	4
2- Hardly	1	1
3- Moderately	8	8
4- Mostly	45	47
5- Definitely	37	39
Total	95	100



CO6: Apply mathematical relationships for hydraulic jumps, surges, and critical, uniform, and gradually-varying flows.

Score	No. of students	Percentage (%)
1- Can't Say	4	4
2- Hardly	0	0
3- Moderately	15	16
4- Mostly	35	37
5- Definitely	41	43
Total	95	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

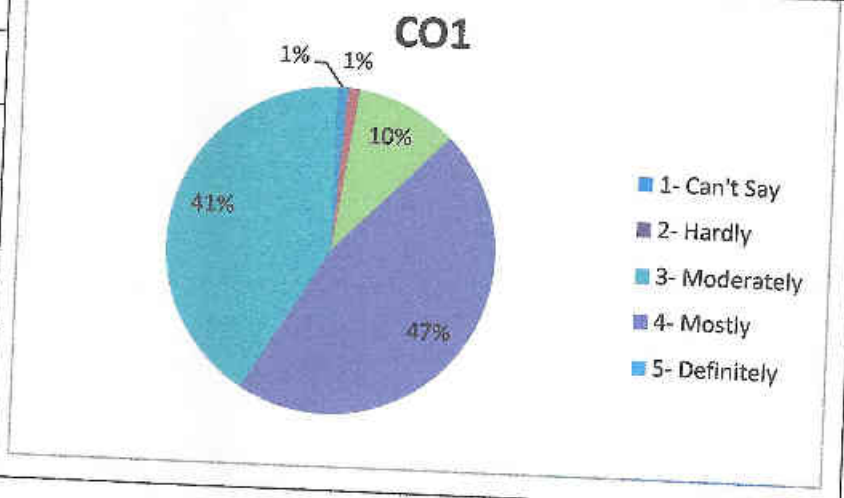
Course Exit Analysis Report (SEM V)

Subject – Applied Hydraulics

Subject Teacher - Prof. Pooja Somani / Hemant Sarje / Ashwini Bhodkhe

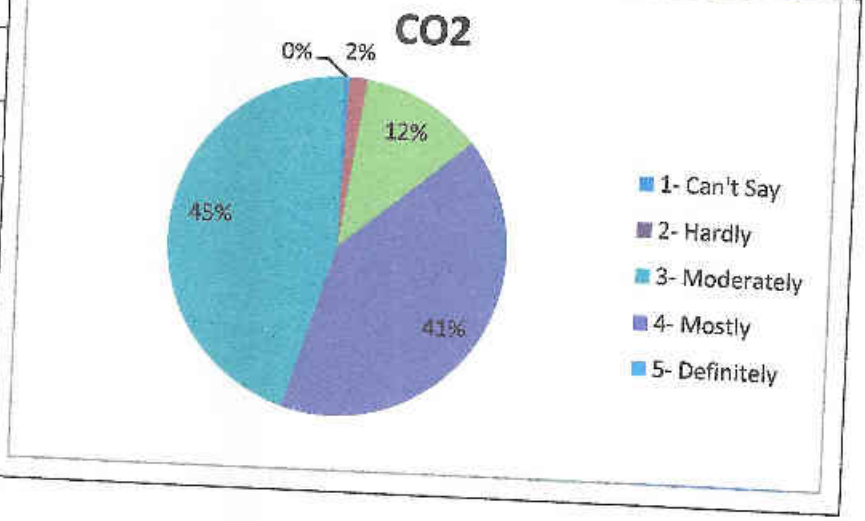
CO1: Demonstrate impact of jet on stationary, moving, hinged and series of plates also solve the numerical based on forces acting on it.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	2	1
3- Moderately	18	10
4- Mostly	83	46
5- Definitely	74	41
Total	179	100



CO2: Determine, analyse and modify seepage line in earth dam according to different conditions using tools and techniques to solve engineering problems.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	2
3- Moderately	21	12
4- Mostly	73	41
5- Definitely	81	45
Total	179	100



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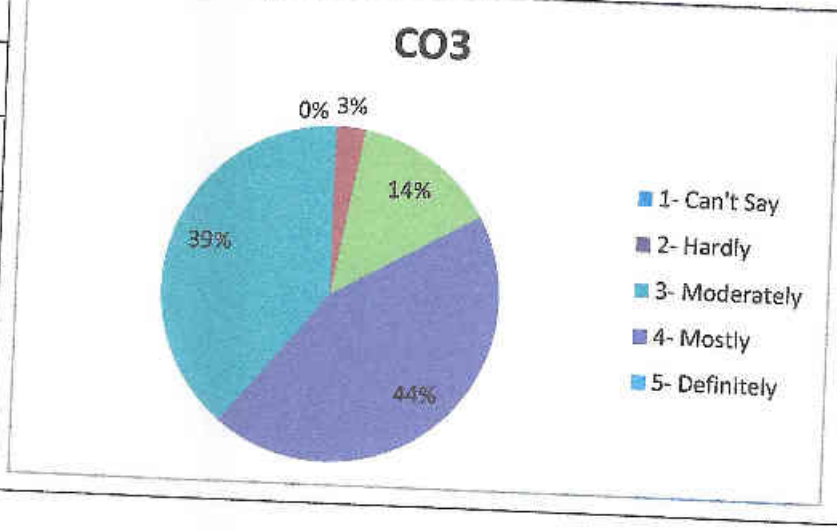
Course Exit Analysis Report (SEM V)

Subject – Applied Hydraulics

Subject Teacher - Prof. Pooja Somani / Hemant Sarje / Ashwini Bhodkhe

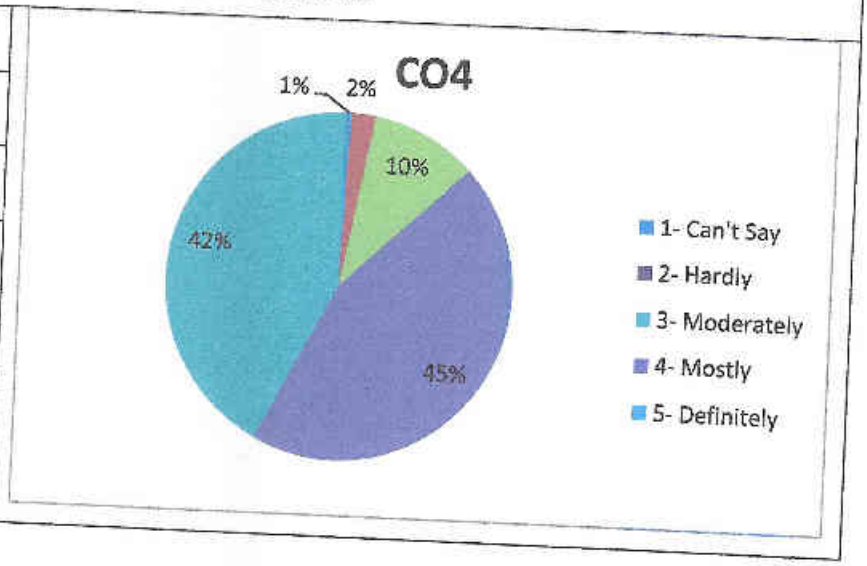
CO3: Identify suitable criteria for the selection of alternate design solutions of spillways and energy dissipator.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	5	3
3- Moderately	25	14
4- Mostly	79	44
5- Definitely	70	39
Total	179	100



CO4: Explain the working mechanism of various Hydraulic machines.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	2
3- Moderately	18	10
4- Mostly	80	45
5- Definitely	76	42
Total	179	100



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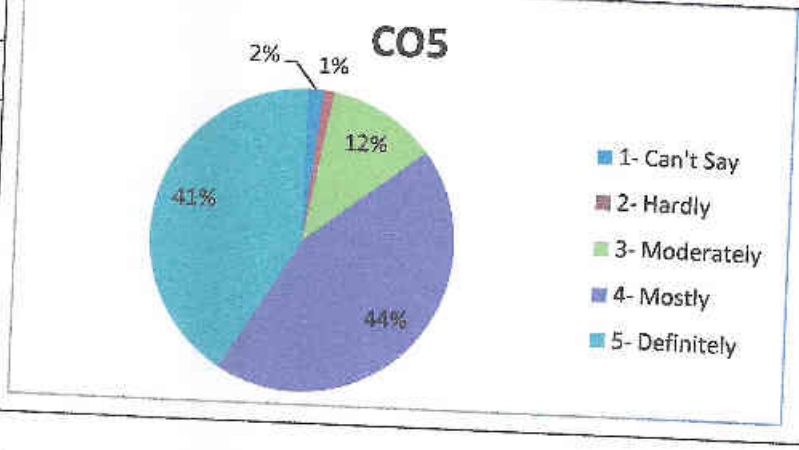
Course Exit Analysis Report (SEM V)

Subject – Applied Hydraulics

Subject Teacher - Prof. Pooja Somani / Hemant Sarje / Ashwini Bhodkhe

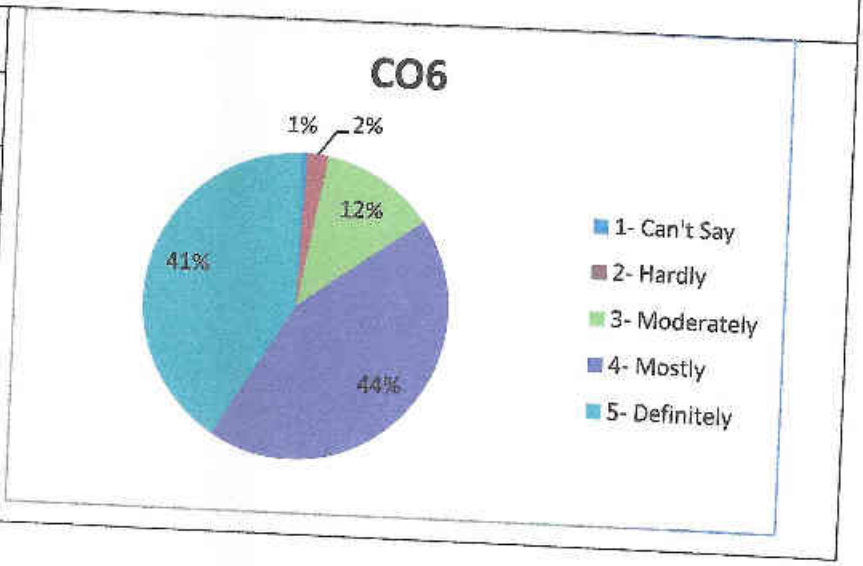
CO5: Identify the hydraulic behavior of open channel flow and design the most economical section of channels

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	2	1
3- Moderately	21	12
4- Mostly	79	44
5- Definitely	74	41
Total	179	100



CO6: Apply mathematical relationships for hydraulic jumps, surges, and critical, uniform, and gradually-varying flows.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	2
3- Moderately	22	12
4- Mostly	78	44
5- Definitely	74	41
Total	179	100



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Academic Year: 2021-22 (Odd)

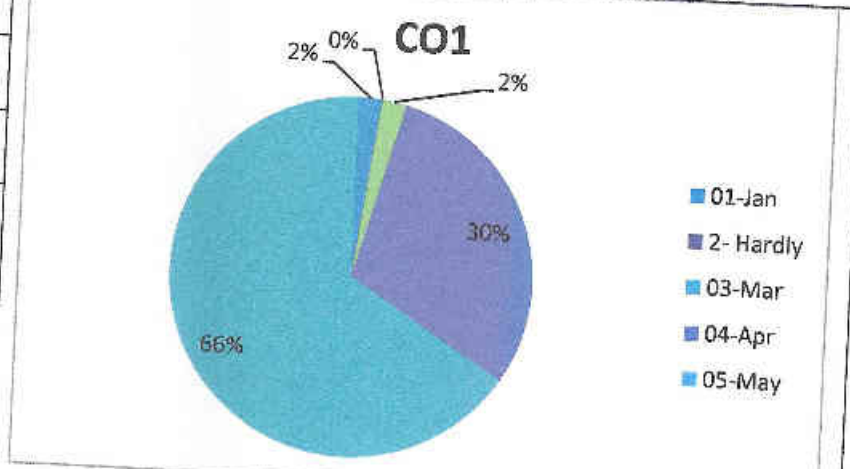
Course Exit Analysis Report (SEM V)

Subject –

Subject Teacher - Prof.

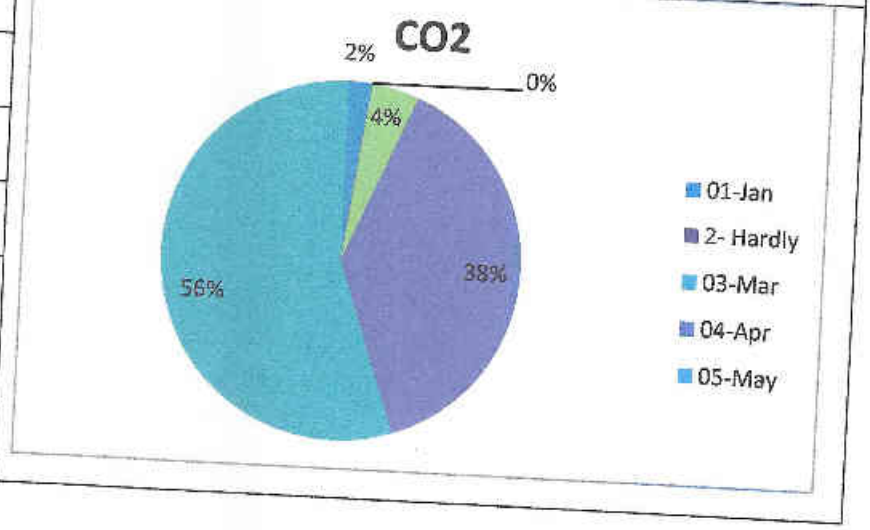
CO1: Apply fundamental engineering concepts to gain the knowledge of Air pollutants and its classification, sources of generation, Emission Inventory & Indoor air pollution.Identify, assemble and evaluate information and resources of Air Quality Index and Numerical on conversion of units of pollutants.

Score	No. of students	Percentage (%)
1- Can't Say	1	2
2- Hardly	0	0
3- Moderately	1	2
4- Mostly	14	30
5- Definitely	31	66
Total	47	100



CO2: Apply fundamental engineering concepts to explain and analyze the effects of air pollutants on human beings, plants, animals, properties and visibility. Exposure to air pollution. · Apply formal idea generation tools to solve numerical problems based on COH, CoHb

Score	No. of students	Percentage (%)
1- Can't Say	1	2
2- Hardly	0	0
3- Moderately	2	4
4- Mostly	18	38
5- Definitely	26	55
Total	47	100



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Academic Year: 2021-22 (Odd)

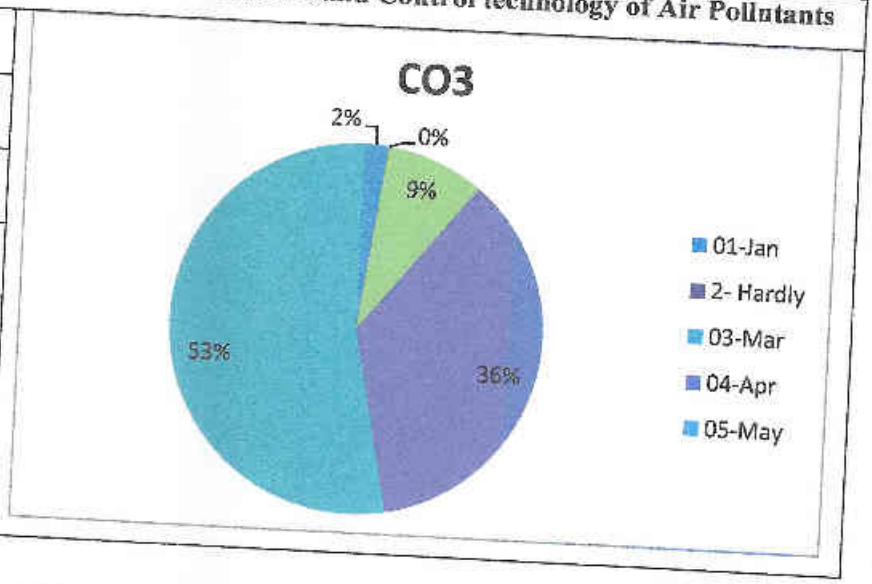
Course Exit Analysis Report (SEM V)

Subject –

Subject Teacher - Prof.

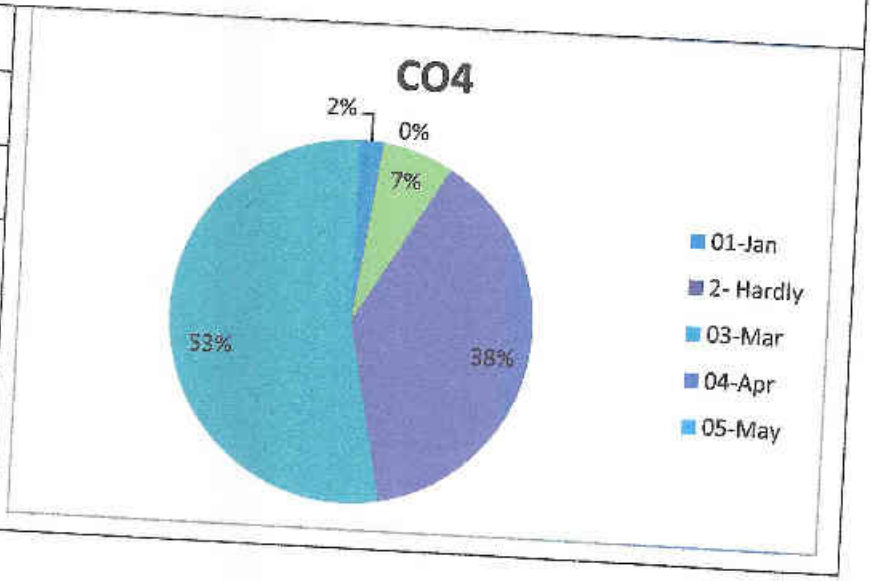
CO3: Apply formal idea generation tools to learn how to measure and Control technology of Air Pollutants

Score	No. of students	Percentage (%)
1- Can't Say	1	2
2- Hardly	0	0
3- Moderately	4	9
4- Mostly	17	36
5- Definitely	25	53
Total	47	100



CO4: Identify and apply modern engineering tools to study meteorological process and air quality monitoring.

Score	No. of students	Percentage (%)
1- Can't Say	1	2
2- Hardly	0	0
3- Moderately	3	6
4- Mostly	18	38
5- Definitely	25	53
Total	47	100



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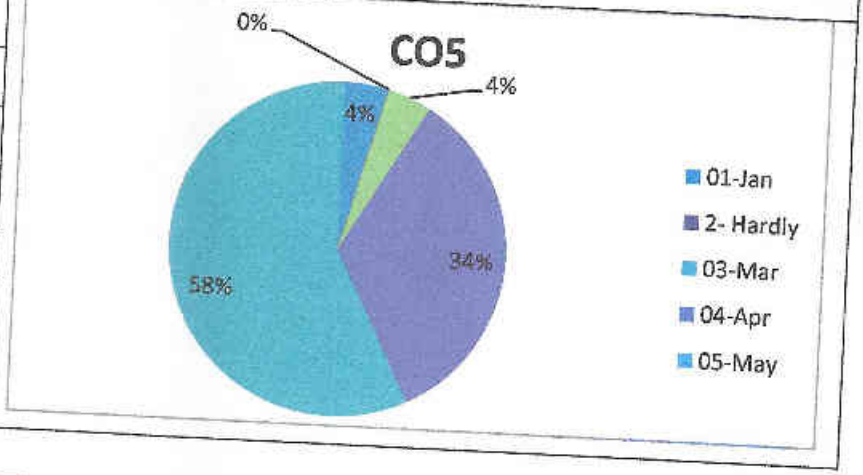
Course Exit Analysis Report (SEM V)

Subject –

Subject Teacher - Prof.

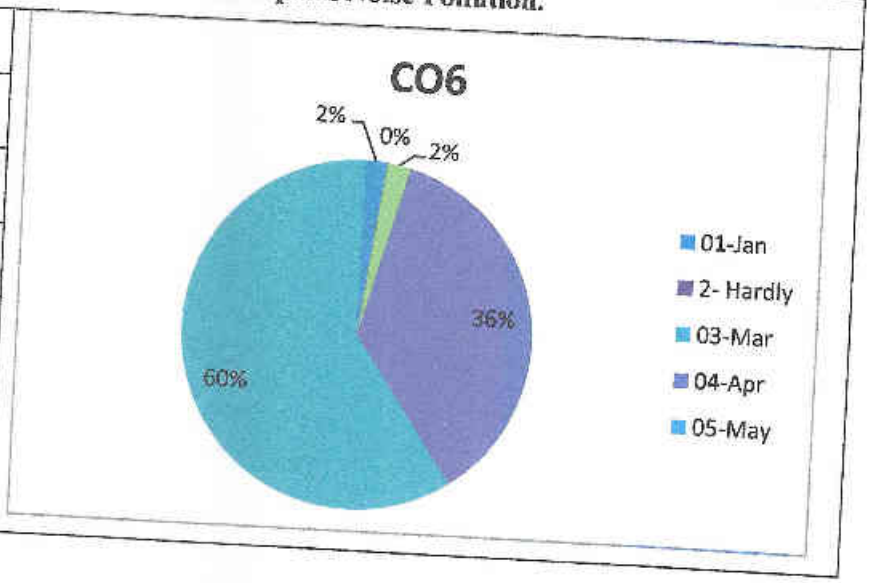
CO5: Apply fundamental engineering concepts to learn and explain Current Issues on Air Pollution.

Score	No. of students	Percentage (%)
1- Can't Say	2	4
2- Hardly	0	0
3- Moderately	2	4
4- Mostly	16	34
5- Definitely	27	57
Total	47	100



CO6: Apply fundamental engineering concepts to learn and explain Noise Pollution.

Score	No. of students	Percentage (%)
1- Can't Say	1	2
2- Hardly	0	0
3- Moderately	1	2
4- Mostly	17	36
5- Definitely	28	60
Total	47	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

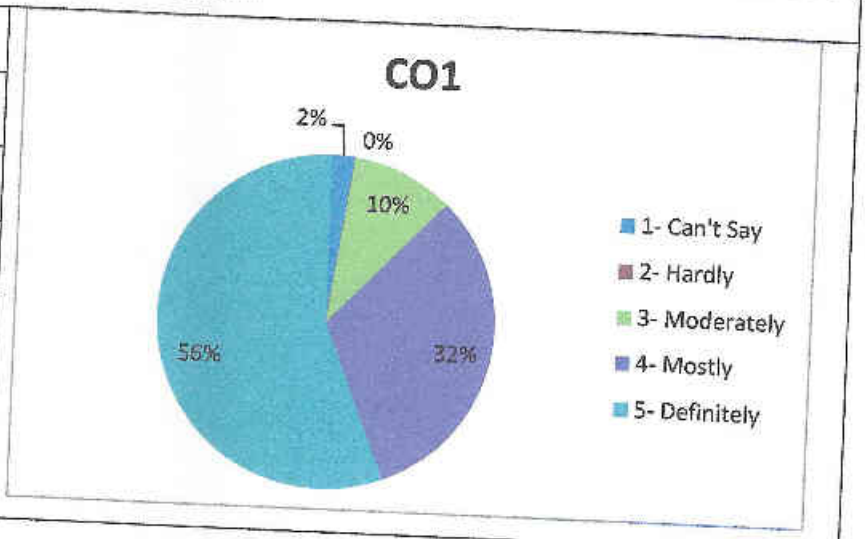
Course Exit Analysis Report (SEM V)

Subject – Geotechnical Engineering – II Laboratory

Subject Teacher - Prof. Sanjay Singh/ Yughandhara Kasture / Manoj Pillai

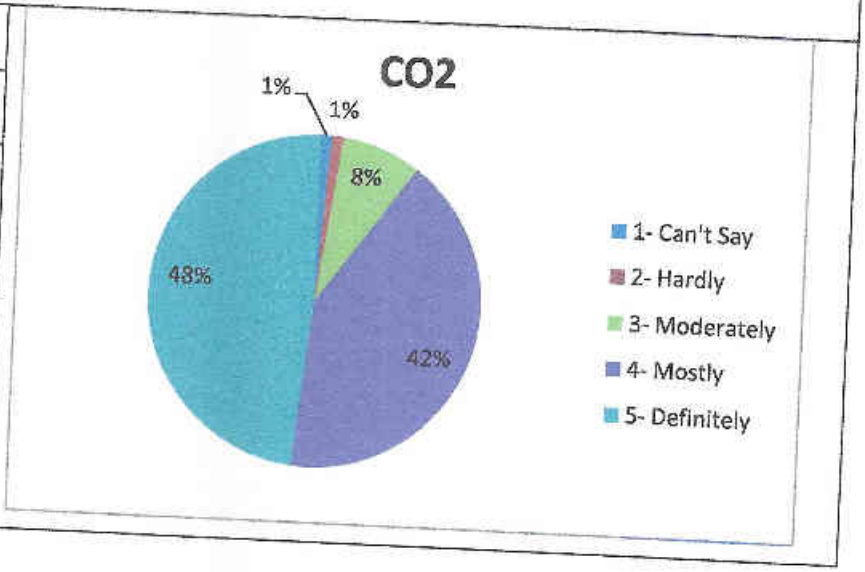
CO1: Classify the physical and engineering properties of soil.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	0	0
3- Moderately	9	10
4- Mostly	29	32
5- Definitely	51	56
Total	91	100



CO2: Examine the plasticity characteristics of soil.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	7	8
4- Mostly	38	42
5- Definitely	44	48
Total	91	100



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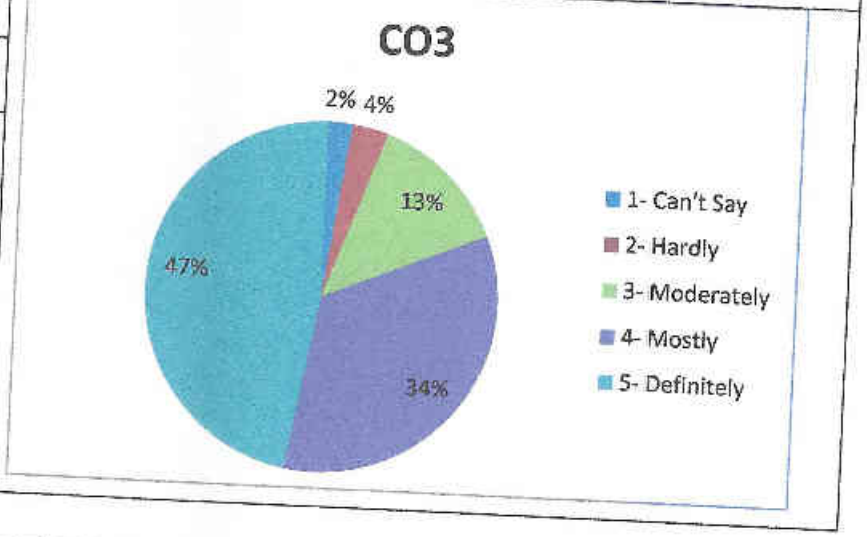
Course Exit Analysis Report (SEM V)

Subject – Geotechnical Engineering – II Laboratory

Subject Teacher - Prof. Sanjay Singh/ Yughandhara Kasture / Manoj Pillai

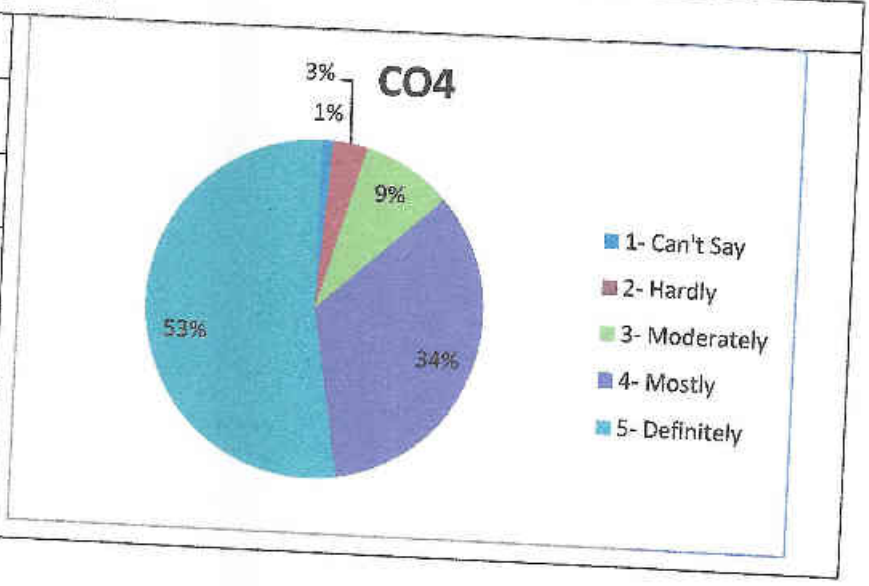
CO3: Summarize the sieve analysis of soil, plot grain size distribution curve and determine the IS classification of soil.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	12	13
4- Mostly	31	34
5- Definitely	43	47
Total	91	100



CO4: Illustrate coefficient of permeability of soils.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	3
3- Moderately	8	9
4- Mostly	31	34
5- Definitely	48	53
Total	91	100



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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

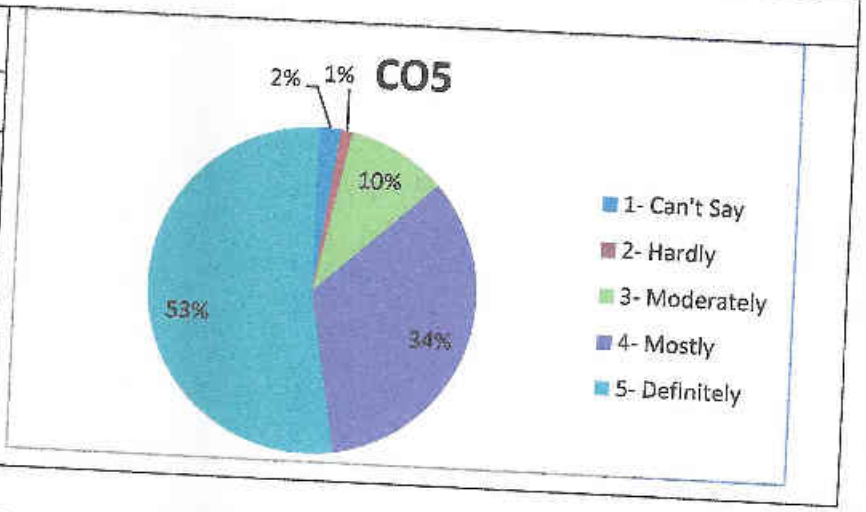
Course Exit Analysis Report (SEM V)

Subject – Geotechnical Engineering – II Laboratory

Subject Teacher - Prof. Sanjay Singh/ Yughandhara Kasture / Manoj Pillai

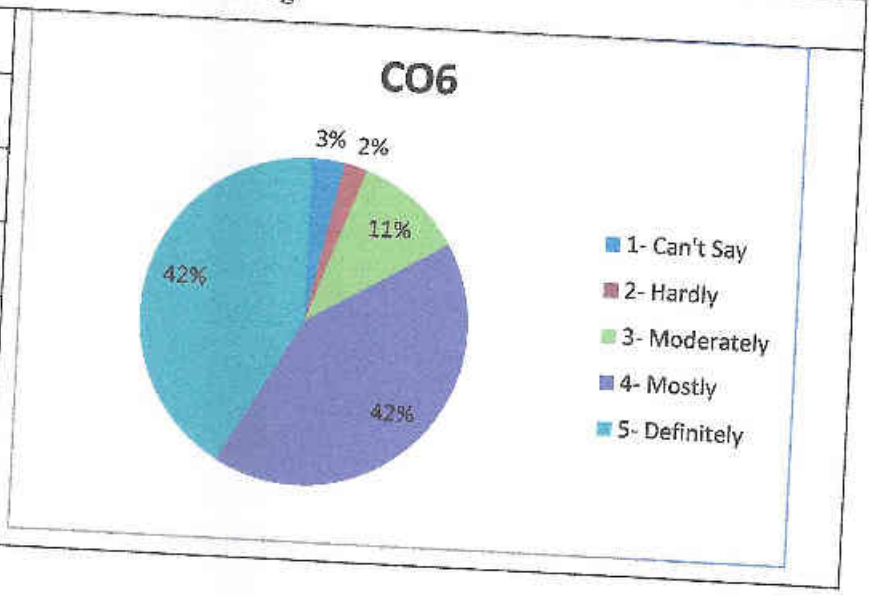
CO5: Evaluate the compaction characteristics of soils.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	9	10
4- Mostly	31	34
5- Definitely	48	53
Total	91	100



CO6: Compose the field SPT 'N' value and prepare the bore log.

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	2	2
3- Moderately	10	11
4- Mostly	38	42
5- Definitely	38	42
Total	91	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

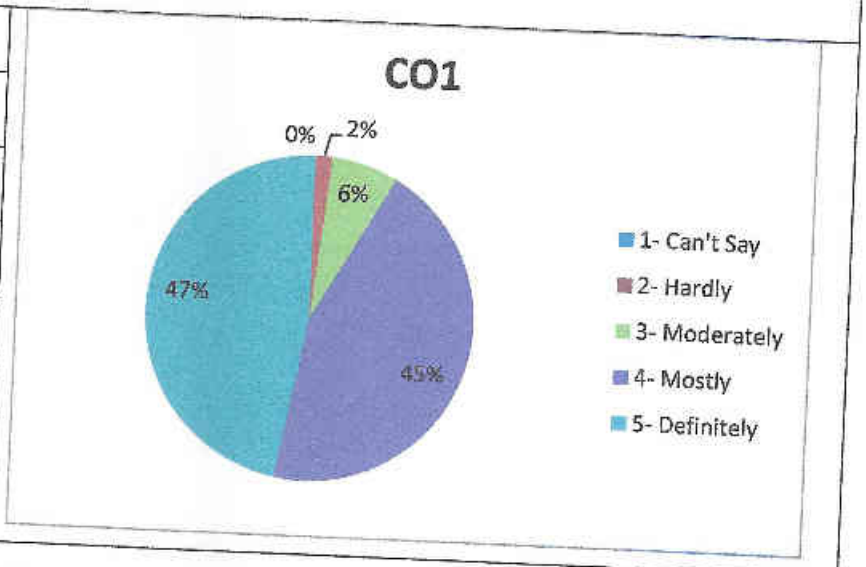
Course Exit Analysis Report (SEM V)

Subject – Geotechnical Engineering-I

Subject Teacher - Prof. Yughandhara Kasture / Manoj Pillai / Pooja Somani

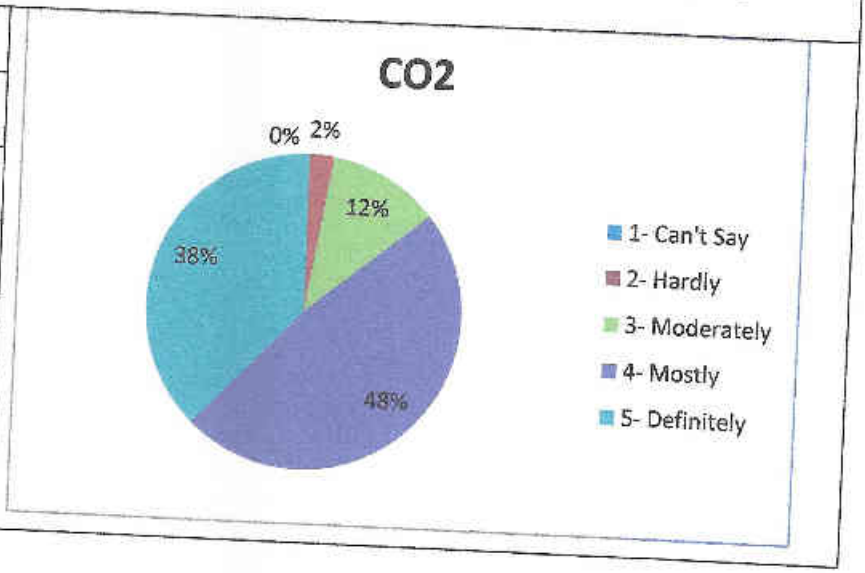
CO1: Apply basic definitions and relationships between various unit weights & other parameters to solve three phase system problems.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	2	2
3- Moderately	8	7
4- Mostly	54	45
5- Definitely	57	47
Total	121	100



CO2: Use the appropriate procedures to conduct experiments on methods of determining index properties to identify and classify the soil.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	2
3- Moderately	14	12
4- Mostly	58	48
5- Definitely	46	38
Total	121	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

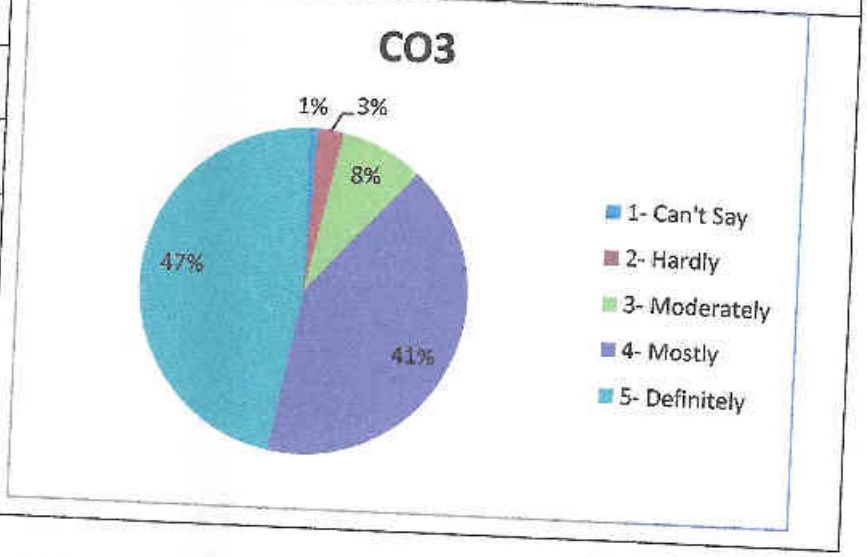
Course Exit Analysis Report (SEM V)

Subject – Geotechnical Engineering-I

Subject Teacher - Prof. Yughandhara Kasture / Manoj Pillai / Pooja Somani

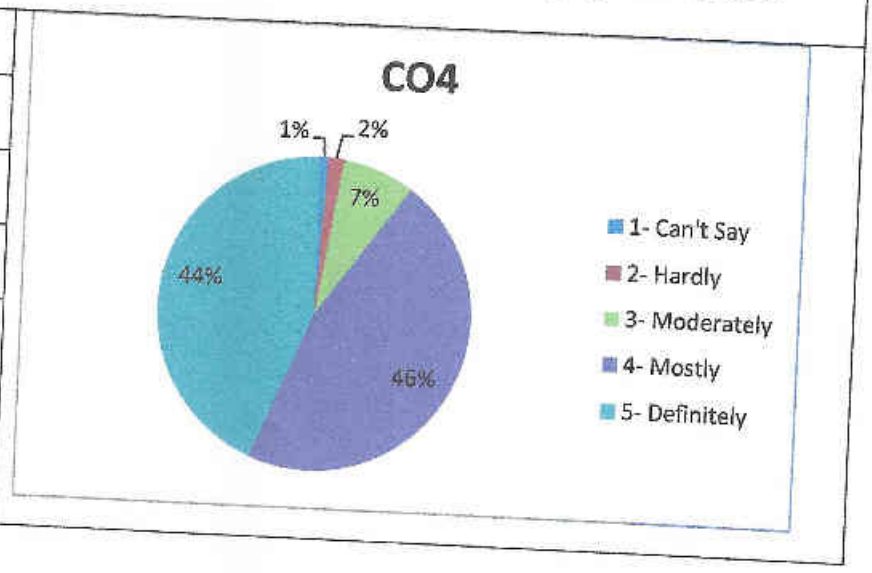
CO3: Classify the soil according to different classification systems and identify the suitability of a given soil for use; either to support or construct a structure.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	2
3- Moderately	10	8
4- Mostly	50	41
5- Definitely	57	47
Total	121	100



CO4: Analyze the properties of soil related to flow of water such as permeability, seepage & flow net to draw conclusions

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	2
3- Moderately	9	7
4- Mostly	56	46
5- Definitely	53	44
Total	121	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

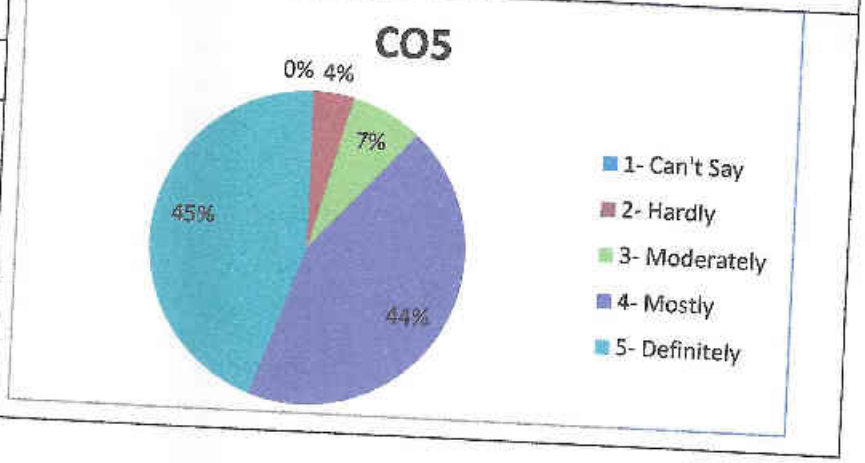
Course Exit Analysis Report (SEM V)

Subject – Geotechnical Engineering-I

Subject Teacher - Prof. Yughandhara Kasture / Manoj Pillai / Pooja Somani

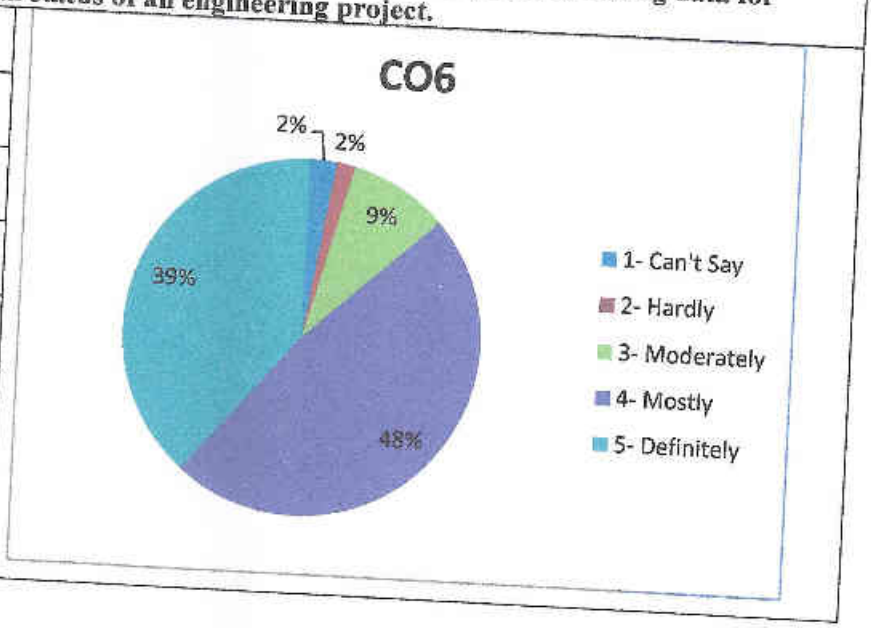
CO5: Determine the total stress, neutral stress and effective stress and draw stress figures of a soil to complement writing and presentations.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	5	4
3- Moderately	9	7
4- Mostly	53	44
5- Definitely	54	45
Total	121	100



CO6: Evaluate the compression characteristics in laboratory & field also interpret soil boring data for foundation design to evaluate the financial status of an engineering project.

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	2	2
3- Moderately	11	9
4- Mostly	58	48
5- Definitely	47	39
Total	121	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

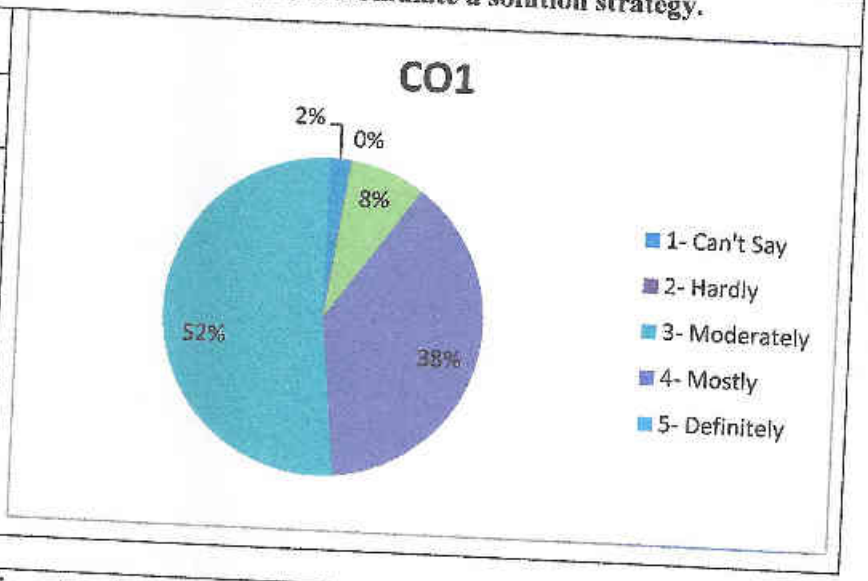
Course Exit Analysis Report (SEM V)

Subject – MINI PROJECT

Subject Teacher - Prof. Priyanka Rajput / Yughandhara Kasture

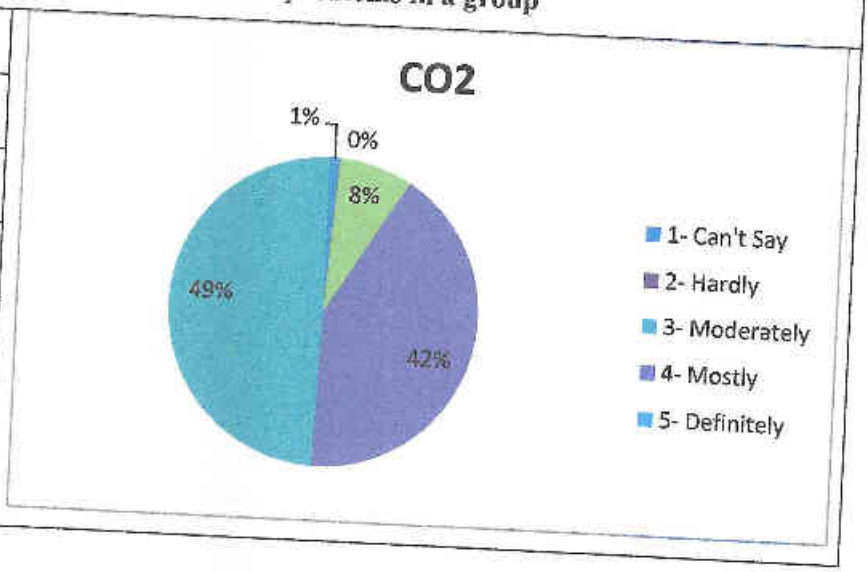
CO1: Illustrate the problems based on societal /research needs and formulate a solution strategy.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	0	0
3- Moderately	7	8
4- Mostly	35	38
5- Definitely	47	52
Total	91	100



CO2: Apply fundamentals to develop solutions to solve societal problems in a group

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	0	0
3- Moderately	7	8
4- Mostly	38	42
5- Definitely	45	49
Total	91	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

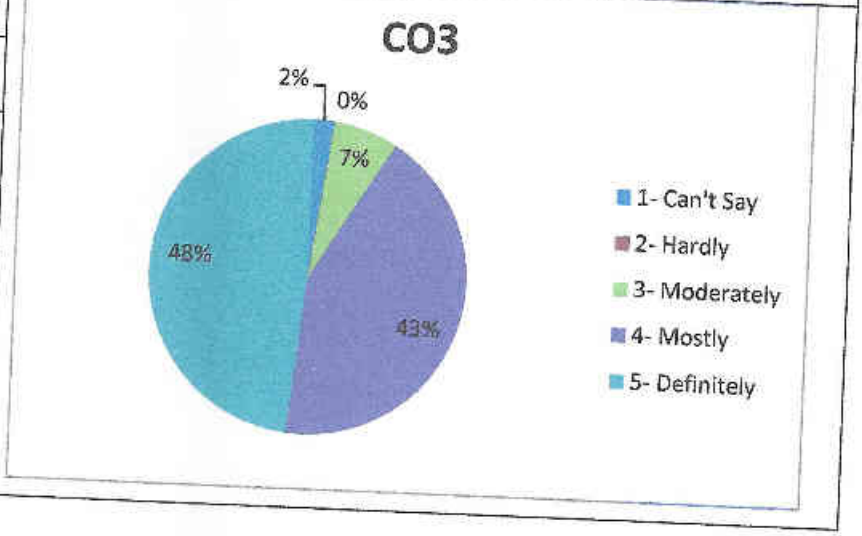
Course Exit Analysis Report (SEM V)

Subject – MINI PROJECT

Subject Teacher - Prof. Priyanka Rajput / Yughandhara Kasture

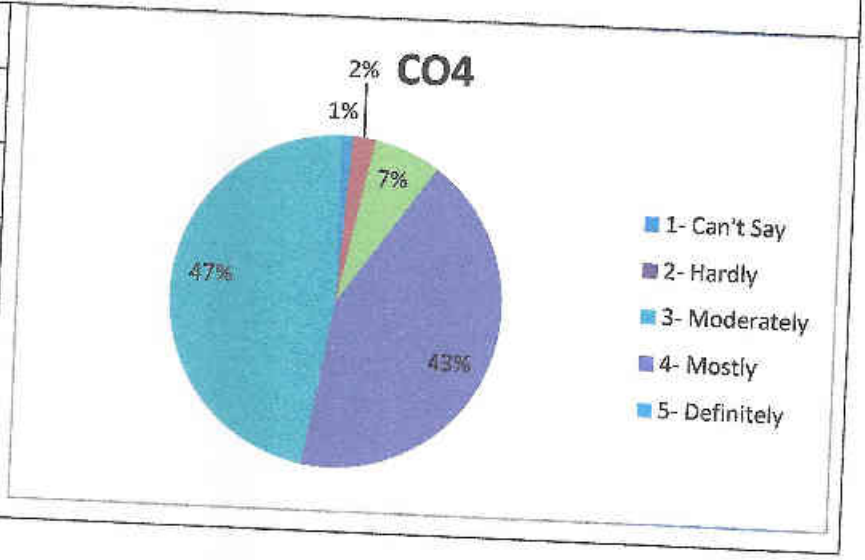
CO3: Analyze the specific need, formulate the problem and deduce the interdisciplinary approaches, software-based solutions and computer applications.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	0	0
3- Moderately	6	7
4- Mostly	39	43
5- Definitely	44	48
Total	91	100



CO4: Identify the systematic flow chart, evaluate inter disciplinary practices, devices, available software, estimate and recommend possible solutions.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	2
3- Moderately	6	7
4- Mostly	39	43
5- Definitely	43	47
Total	91	100



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Academic Year: 2021-22 (Odd)

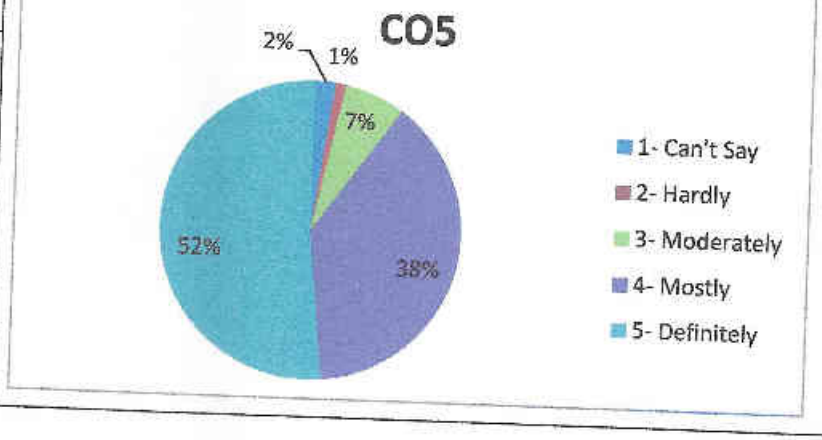
Course Exit Analysis Report (SEM V)

Subject – MINI PROJECT

Subject Teacher - Prof. Priyanka Rajput / Yughandhara Kasture

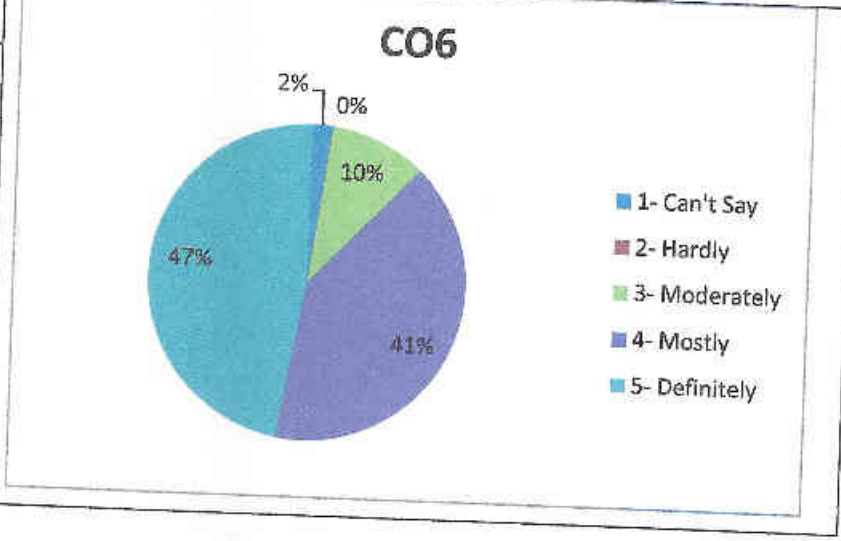
CO5: Demonstrate the proper inferences from available results through theoretical/ experimental/ simulations and assemble physical systems.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	6	7
4- Mostly	35	38
5- Definitely	47	52
Total	91	100



CO6: Create devises or design a computer program or develop computer application.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	0	0
3- Moderately	9	10
4- Mostly	37	41
5- Definitely	43	47
Total	91	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

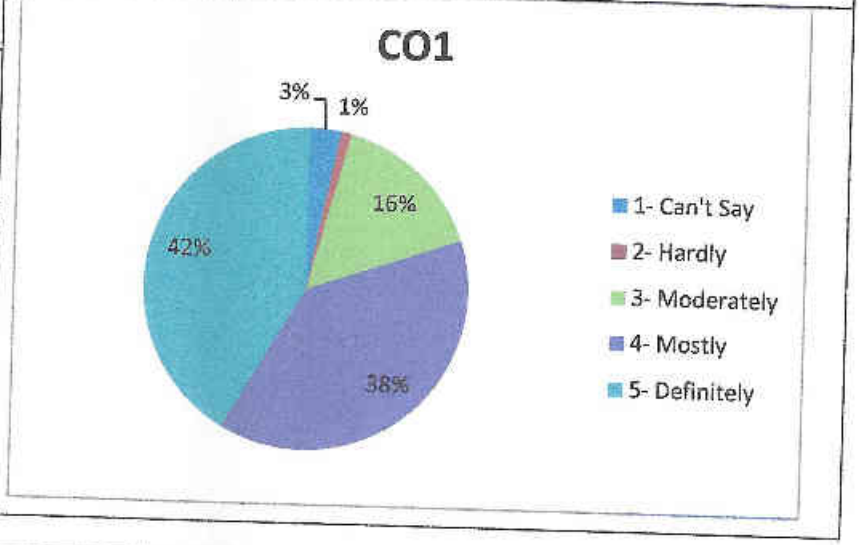
Course Exit Analysis Report (SEM V)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. D M Joshi / Shweta Motharkar / Harshal Deshpande

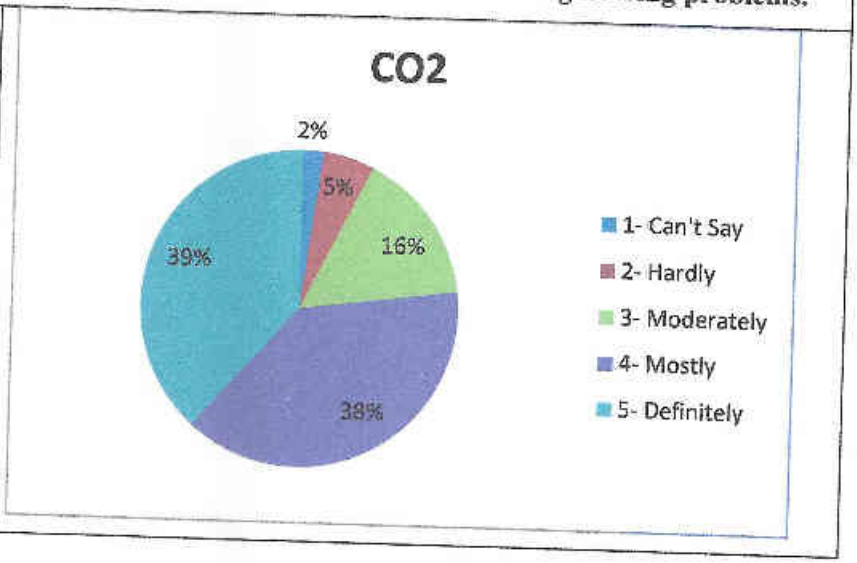
CO1: Apply fundamentals of Working stress method in Civil Engineering to solve engineering problems

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	1	1
3- Moderately	15	16
4- Mostly	37	39
5- Definitely	40	42
Total	96	100



CO2: Understand the basic concept of Limit State Method of design to solve Civil Engineering problems.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	5	5
3- Moderately	15	16
4- Mostly	37	39
5- Definitely	37	39
Total	96	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

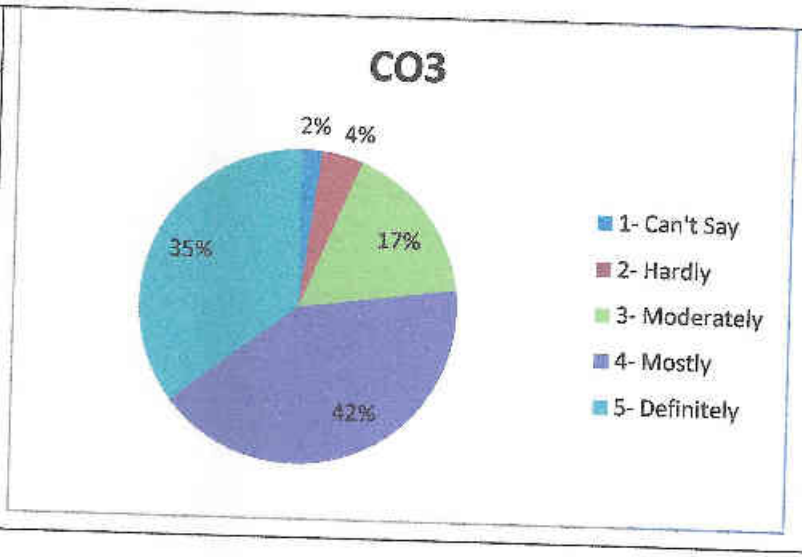
Course Exit Analysis Report (SEM V)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. D M Joshi / Shweta Motharkar / Harshal Deshpande

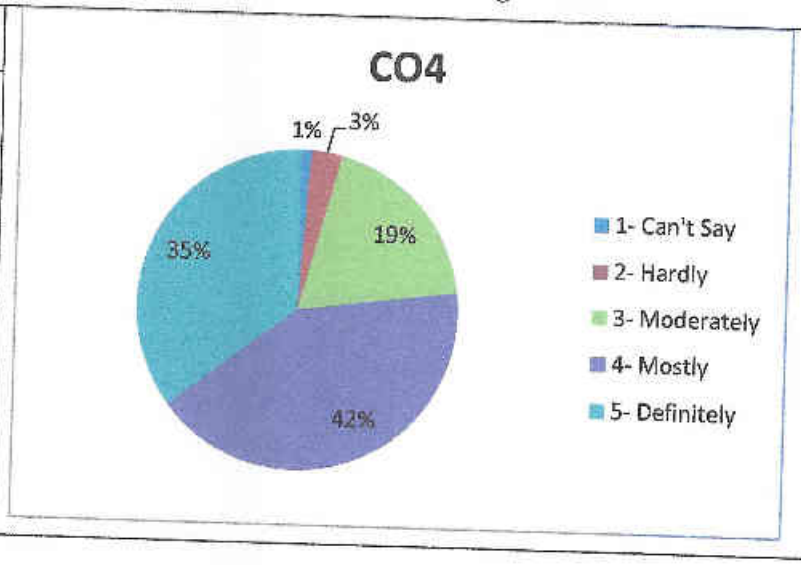
CO3: Identify existing solution method to analyse and design various types of beam sections under flexure, shear, bond and torsion using Limit State Method.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	4	4
3- Moderately	16	17
4- Mostly	40	42
5- Definitely	34	35
Total	96	100



CO4: Extract engineering requirements from IS-456:2000 for analyzing and design Slabs.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	3
3- Moderately	18	19
4- Mostly	40	42
5- Definitely	34	35
Total	96	100



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Academic Year: 2021-22 (Odd)

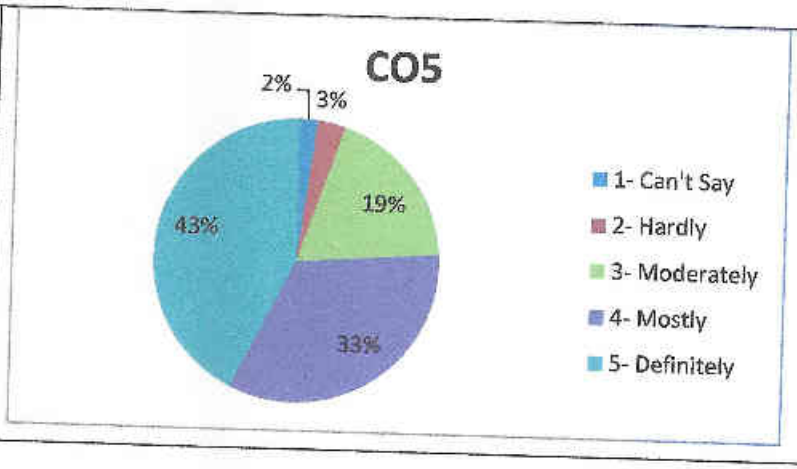
Course Exit Analysis Report (SEM V)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. D M Joshi / Shweta Motharkar / Harshal Deshpande

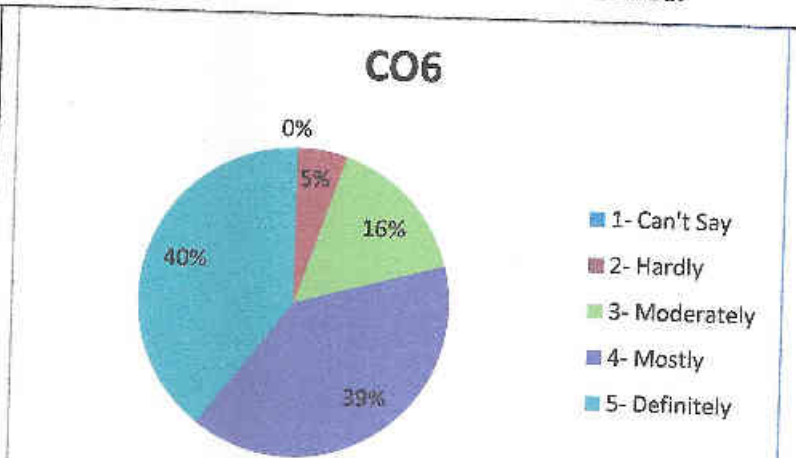
CO5: Combine the basic principles and engineering concepts to apply limit state of collapse in compression for designing of different types of columns

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	18	19
4- Mostly	32	33
5- Definitely	41	43
Total	96	100



CO6: Design different types of footing by identifying the existing processes and solution method.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	5	5
3- Moderately	15	16
4- Mostly	38	40
5- Definitely	38	40
Total	96	100



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Academic Year: 2021-22 (Odd)

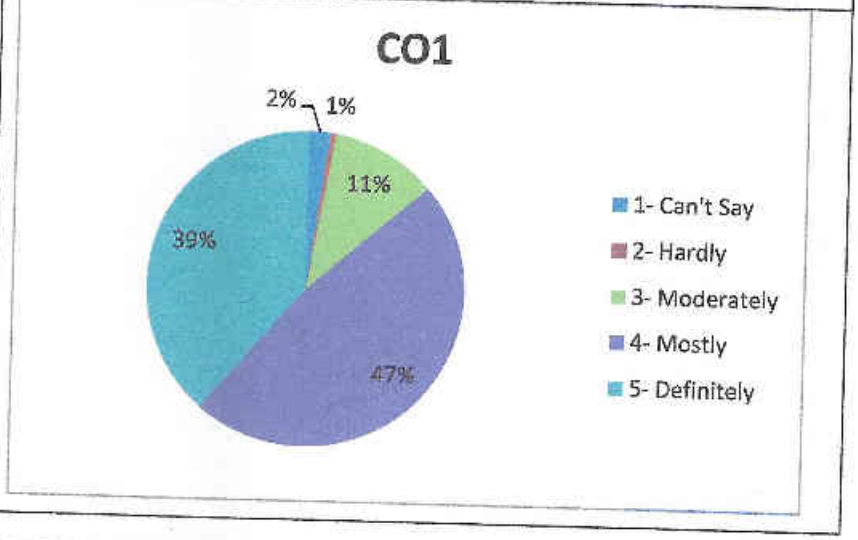
Course Exit Analysis Report (SEM V)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. D M Joshi / Shweta Motharkar / Harshal Deshpande

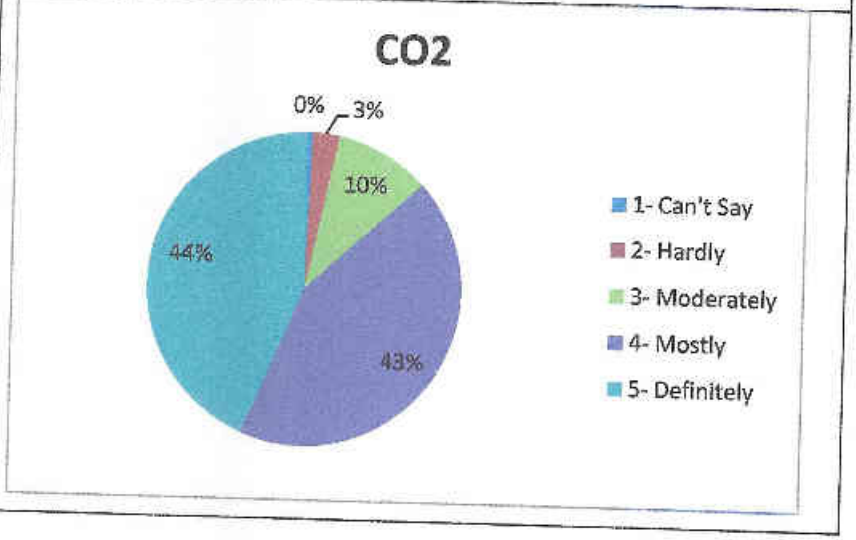
CO1: To apply fundamentals of Working stress method in Civil Engineering to solve engineering problems

Score	No. of students	Percentage (%)
1- Can't Say	4	2
2- Hardly	1	1
3- Moderately	20	11
4- Mostly	87	48
5- Definitely	71	39
Total	183	100



CO2: To Understand the basic concept of Limit State Method of design to solve Civil Engineering problems.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	3
3- Moderately	18	10
4- Mostly	79	43
5- Definitely	80	44
Total	183	100



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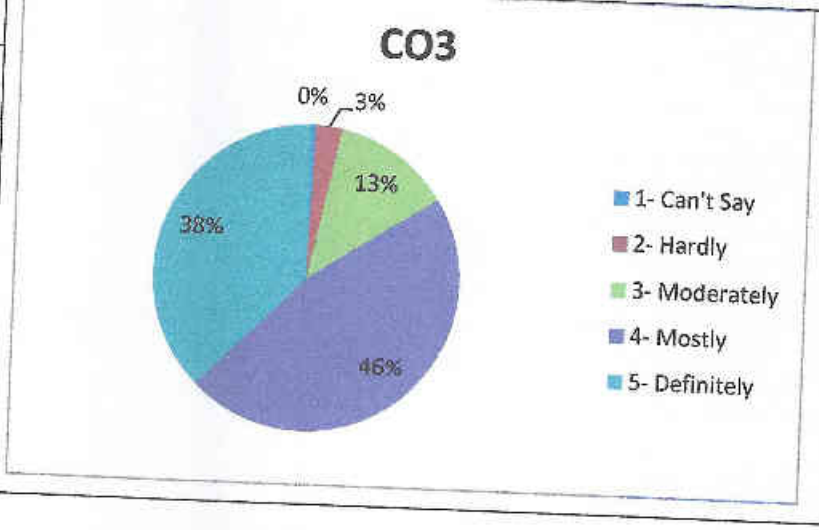
Course Exit Analysis Report (SEM V)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. D M Joshi / Shweta Motharkar / Harshal Deshpande

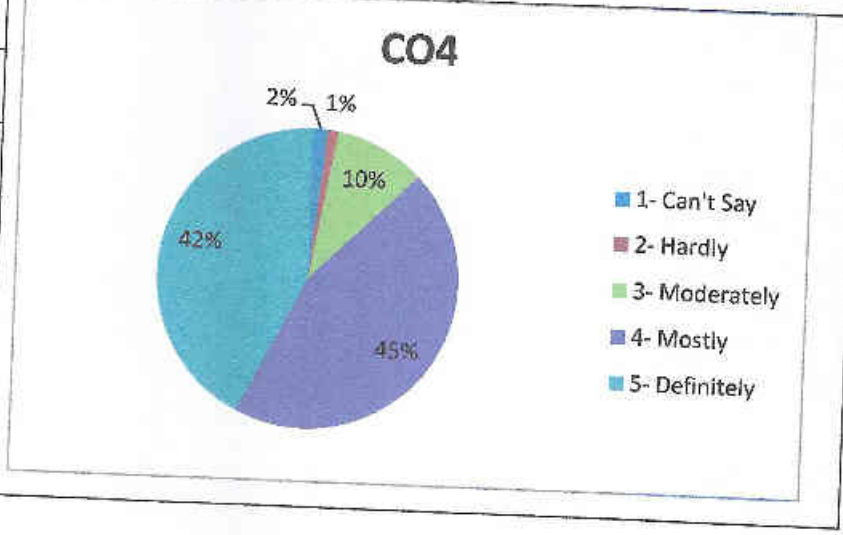
CO3: To identify existing solution method to analyse and design various types of beam sections under flexure, shear, bond and torsion using Limit State Method.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	3
3- Moderately	23	13
4- Mostly	85	46
5- Definitely	69	38
Total	183	100



CO4: To extract engineering requirements from IS-456:2000 for analyzing and design Slabs.

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	2	1
3- Moderately	18	10
4- Mostly	82	45
5- Definitely	78	43
Total	183	100



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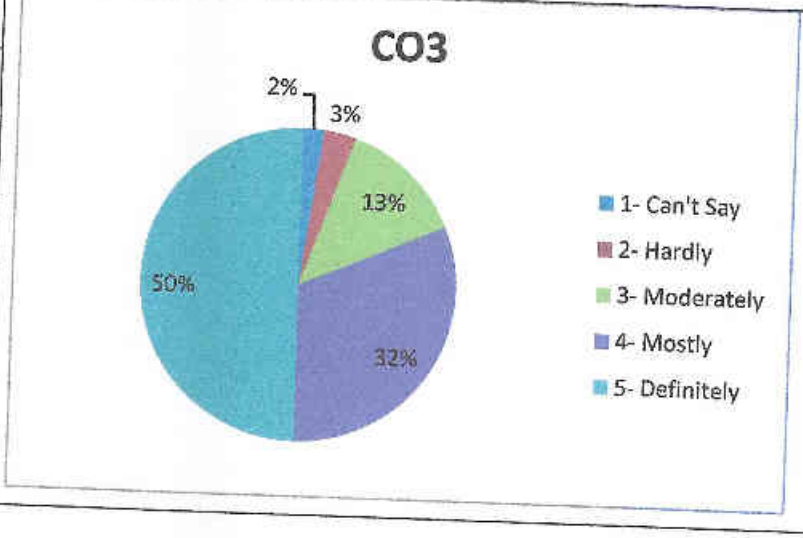
Academic Year: 2021-22 (Odd)

Course Exit Analysis Report (SEM V)

Subject – Transportation Engineering Laboratory
Subject Teacher - Prof. Priyanka Rajput / Manoj Pillai / Nagma Alam

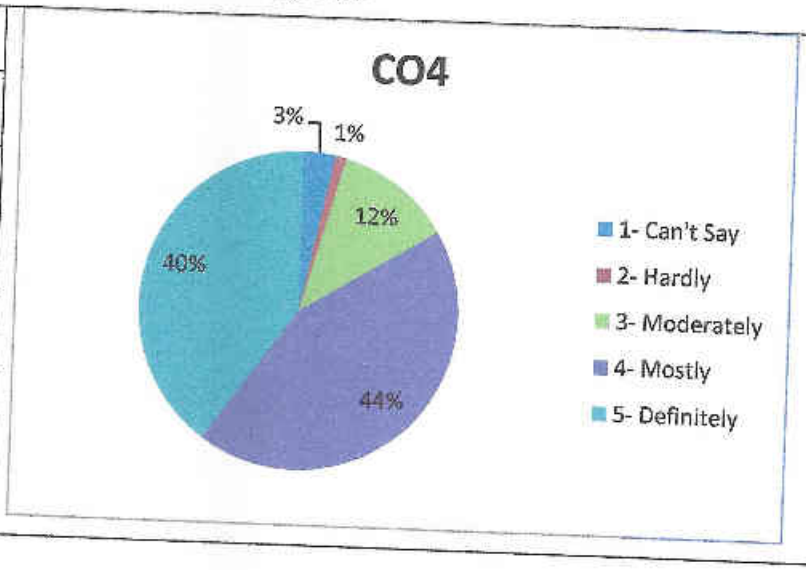
CO3: Determine suitability of aggregate on basis of Impact value, Abrasion value and crushing value

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	12	13
4- Mostly	29	32
5- Definitely	46	50
Total	92	100



CO4: Distingush Elongated and Flaky aggregate on basis of Shape test

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	1	1
3- Moderately	11	12
4- Mostly	40	43
5- Definitely	37	40
Total	92	100



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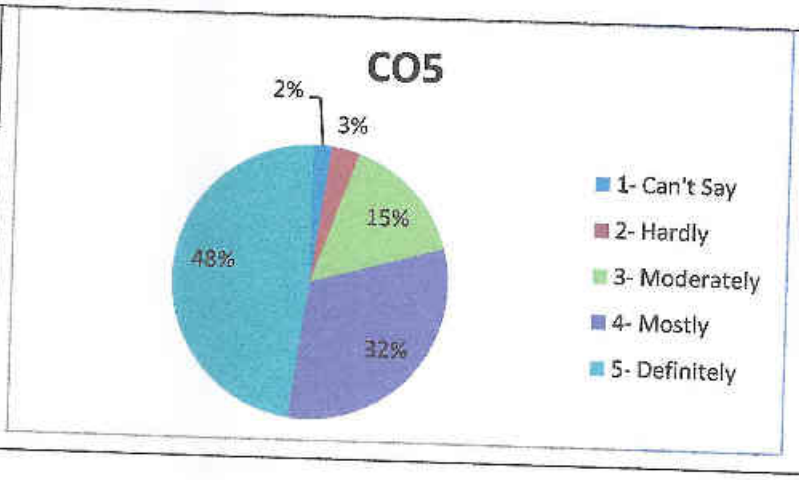
Academic Year: 2021-22 (Odd)

Course Exit Analysis Report (SEM V)

Subject – Transportation Engineering Laboratory
Subject Teacher - Prof. Priyanka Rajput / Manoj Pillai / Nagma Alam

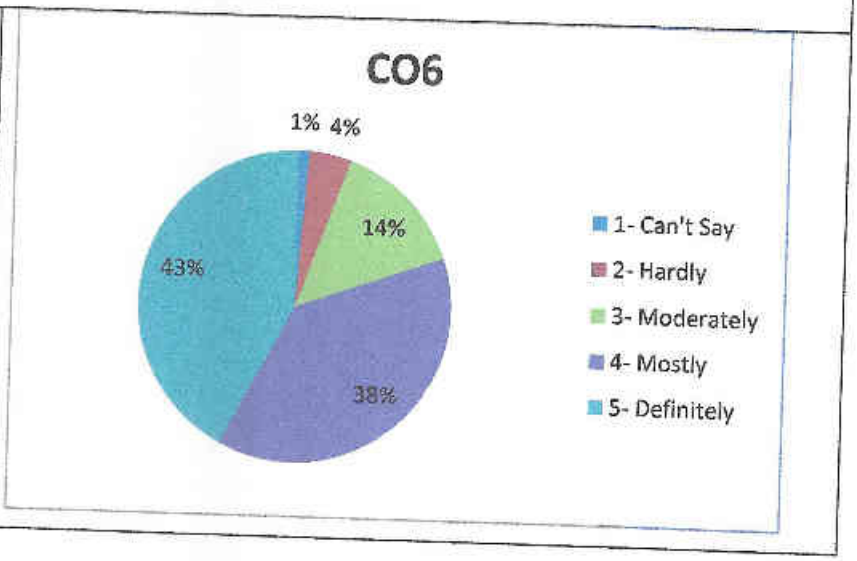
CO5: Calculate classificated volumne study at mid-block section of road

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	14	15
4- Mostly	29	32
5- Definitely	44	48
Total	92	100



CO6: Analyze speed profile curve at mid-block section of a road

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	4
3- Moderately	13	14
4- Mostly	35	38
5- Definitely	39	42
Total	92	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

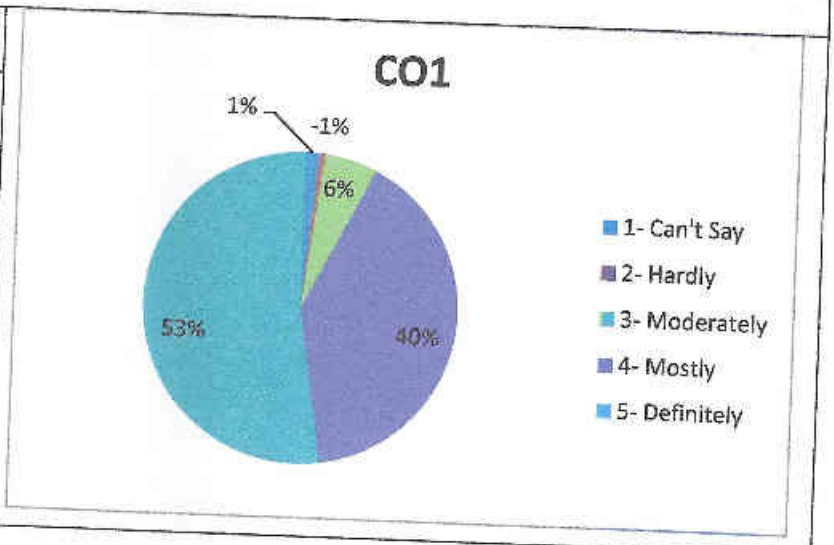
Course Exit Analysis Report (SEM V)

Subject – Transportation Engineering

Subject Teacher - Prof. Nagma Alam / Priyanka Rajput / Manoj Pillai

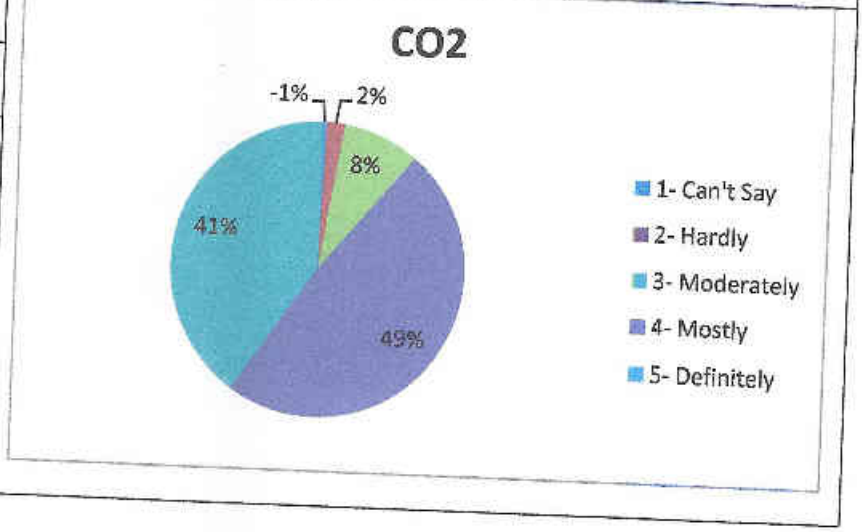
CO1: Summarize various modes of transportation and explain basic technical aspect of railways, airways and waterways

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	1	1
3- Moderately	11	6
4- Mostly	80	40
5- Definitely	105	53
Total	200	100



CO2: Describe different roads plans, requirements of alignment and calculate the sight distances, superelevation ,widening and gradient compensation on a highway

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	2
3- Moderately	17	9
4- Mostly	97	49
5- Definitely	81	41
Total	200	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

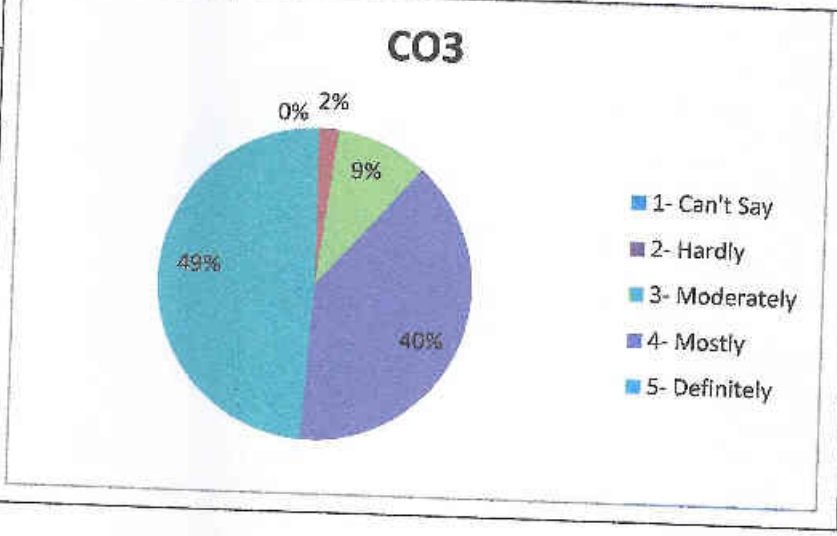
Course Exit Analysis Report (SEM V)

Subject – Transportation Engineering

Subject Teacher - Prof. Nagma Alam / Priyanka Rajput / Manoj Pillai

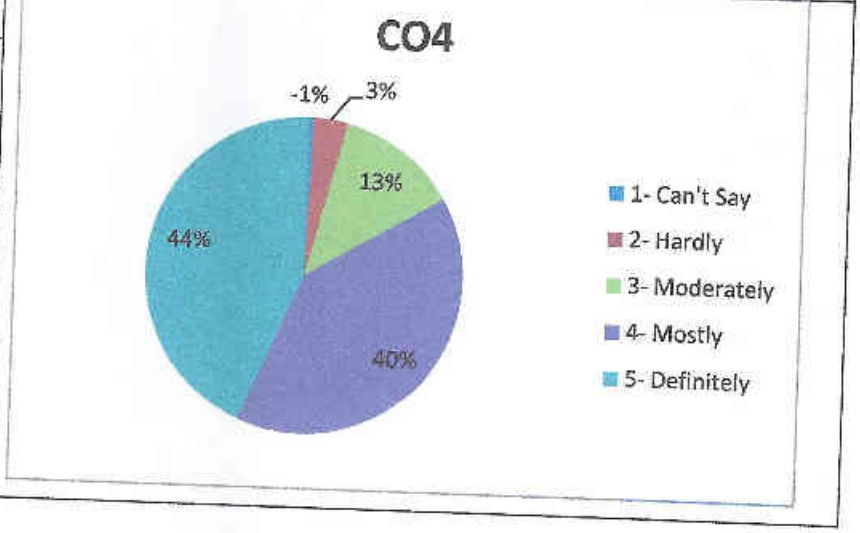
CO3: Identify different traffic studies and analyze basic parameters of traffic engineering for efficient planning and control of traffic

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	2
3- Moderately	19	10
4- Mostly	79	40
5- Definitely	98	49
Total	200	100



CO4: Calculate the thickness of flexible and rigid pavement as per IRC-37 & IRC-58

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	7	4
3- Moderately	25	13
4- Mostly	80	40
5- Definitely	87	44
Total	200	100



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2021 - 2022 (VII SEM)

Summary of feedback (Semester 7):

Feedbacks of students were collected through course exit forms. These feedbacks were analysed and some actions were taken for solving the issues raised by students in their course exit forms. Some suggestions obtained from the students are as follows

- Revision lectures required for some topics of analysis and design of various elements of the reinforced concrete structures
- Need more practice for GATE
- Require more expert lecture to understand the various civil engineering activities.
- Require more co curricular activities and career opportunities in Civil Engineering

Action Taken:

Based on suggestions, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Revision lectures required for some topics of analysis and design of various elements of the reinforced concrete structures	Extra classes were taken for design of beams, slabs and columns	As required
2	Need more practice for GATE	Arranged additional classes for GATE and other aptitude tests for advanced learners	As required
3.	Require more expert lecture to understand the various ecofriendly activities in construction	Organised lectures with experts from construction fields with locally available and eco friendly materials	10/8/2021 to 14/08/2021

4	Require more co curricular activities and career opportunities in Civil Engineering	lectures has been arranged to understand the career opportunities in civil engineering and enterprenurship	20/9/2021

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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

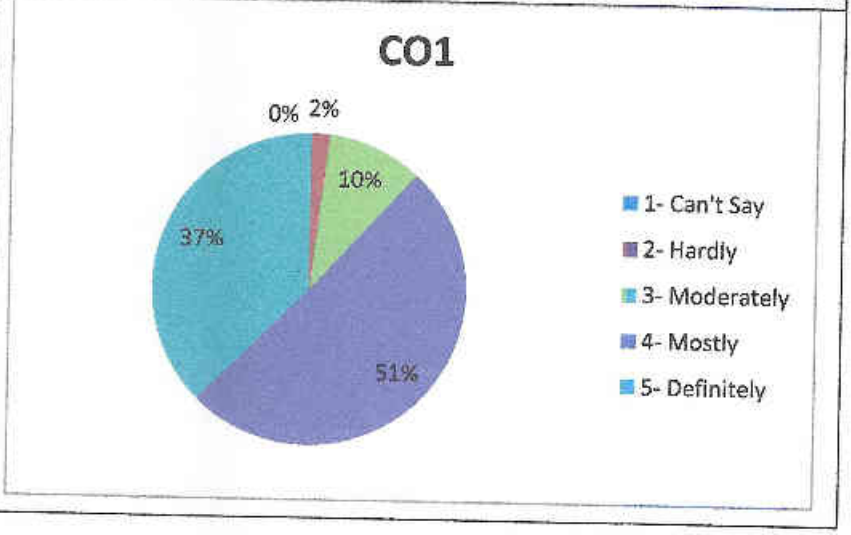
Course Exit Analysis Report (SEM VII)

Subject – Quantity Survey Estimation and Valuation

Subject Teacher - PROF. MOLLY MATHEW / SHANTHI SELVAM / SANJAY SINGH

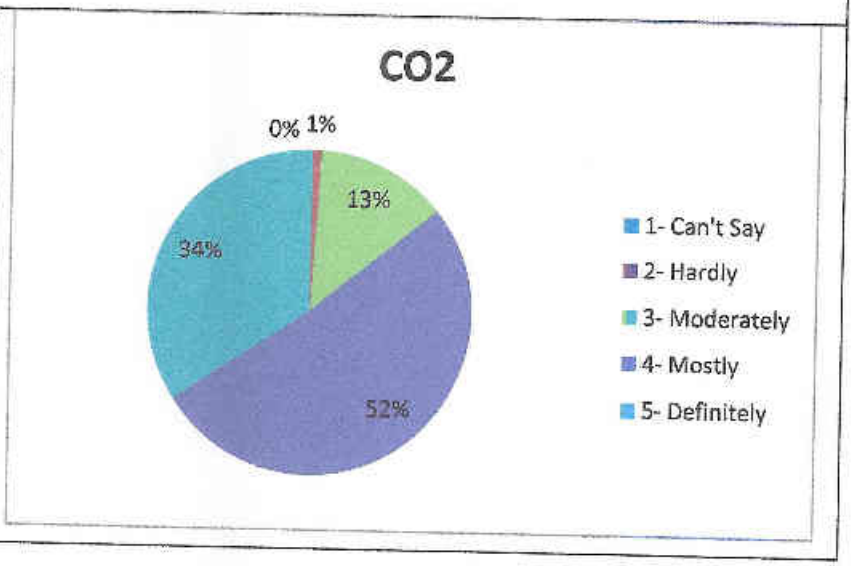
CO1: Apply the measurement system to various civil Engineering items of works.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	2
3- Moderately	21	10
4- Mostly	108	51
5- Definitely	80	38
Total	213	100



CO2: Draft the specifications of various items of works and determine or analyze unit rates of items of works.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	2	1
3- Moderately	28	13
4- Mostly	110	52
5- Definitely	73	34
Total	213	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

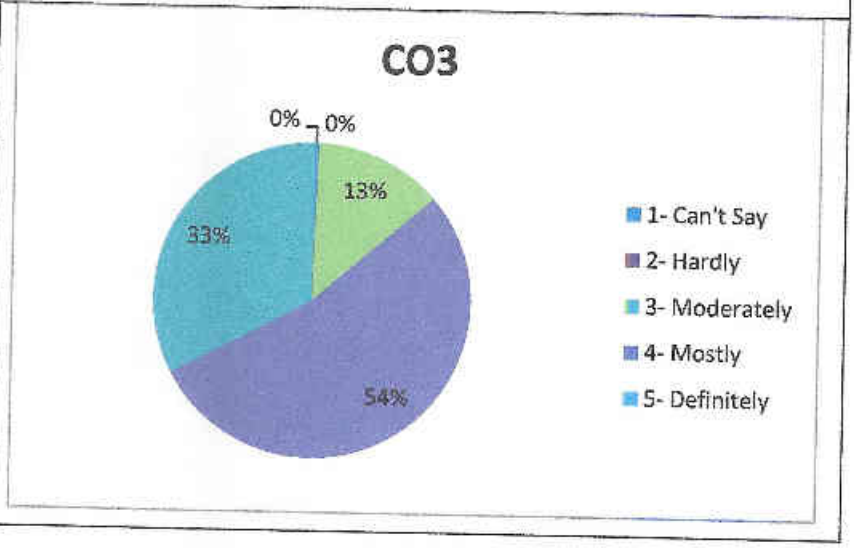
Course Exit Analysis Report (SEM VII)

Subject – Quantity Survey Estimation and Valuation

Subject Teacher - PROF. MOLLY MATHEW / SHANTHI SELVAM / SANJAY SINGH

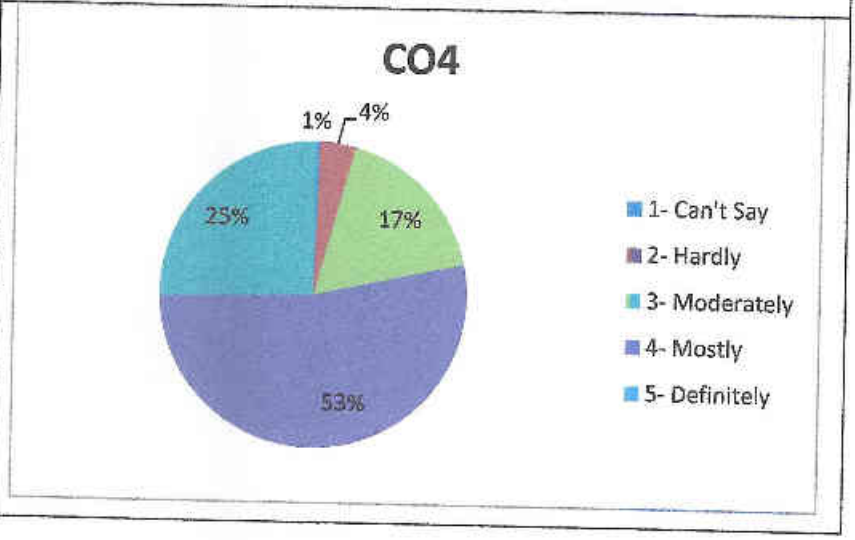
CO3: Estimate approximate cost of structures by using various methods and prepare detailed estimate of various civil Engineering structures by referring drawings.

Score	No. of students	Percentage (%)
1- Can't Say	1	0
2- Hardly	0	0
3- Moderately	28	13
4- Mostly	114	54
5- Definitely	70	33
Total	213	100



CO4: Assess the quantities of earthwork and construct mass haul diagram.

Score	No. of students	Percentage (%)
1- Can't Say	1	0
2- Hardly	8	4
3- Moderately	37	17
4- Mostly	113	53
5- Definitely	54	25
Total	213	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

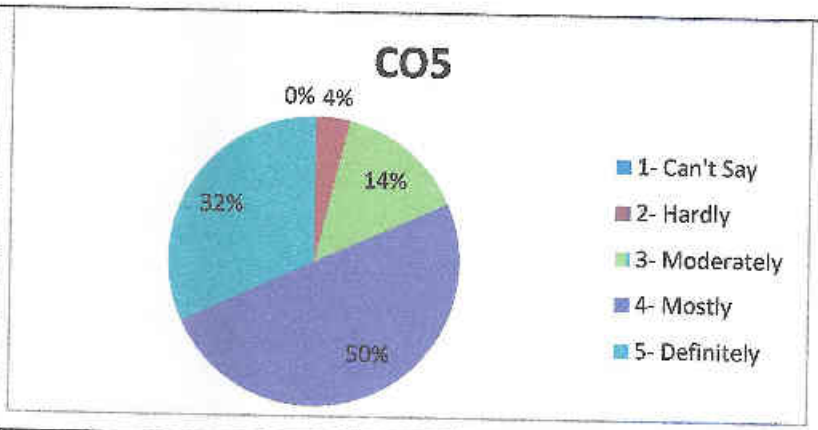
Course Exit Analysis Report (SEM VII)

Subject – Quantity Survey Estimation and Valuation

Subject Teacher - PROF. MOLLY MATHEW / SHANTHI SELVAM / SANJAY SINGH

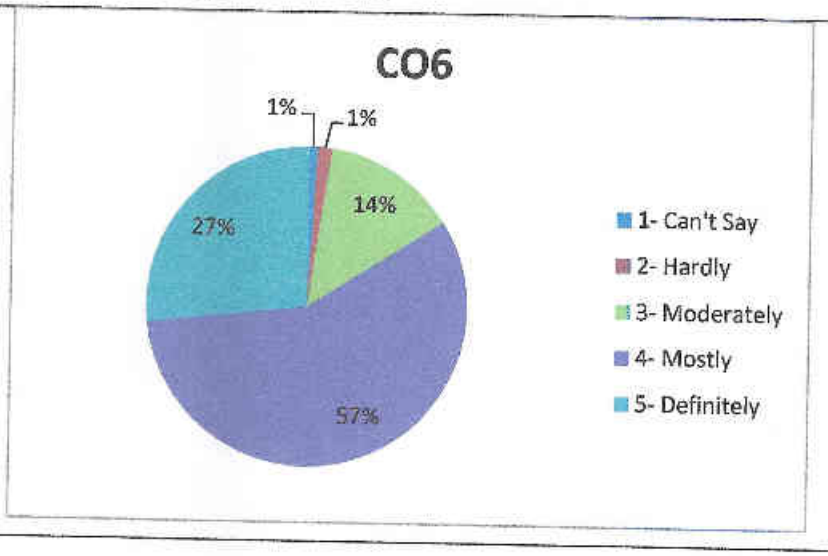
CO5: Draft tender notice and evaluate various bidding strategies and contract types, demonstrate , prepare valid contract documents.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	8	4
3- Moderately	31	15
4- Mostly	106	50
5- Definitely	68	32
Total	213	100



CO6: Determine the fair value of any constructed building at stated time.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	3	1
3- Moderately	29	14
4- Mostly	122	57
5- Definitely	57	27
Total	213	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

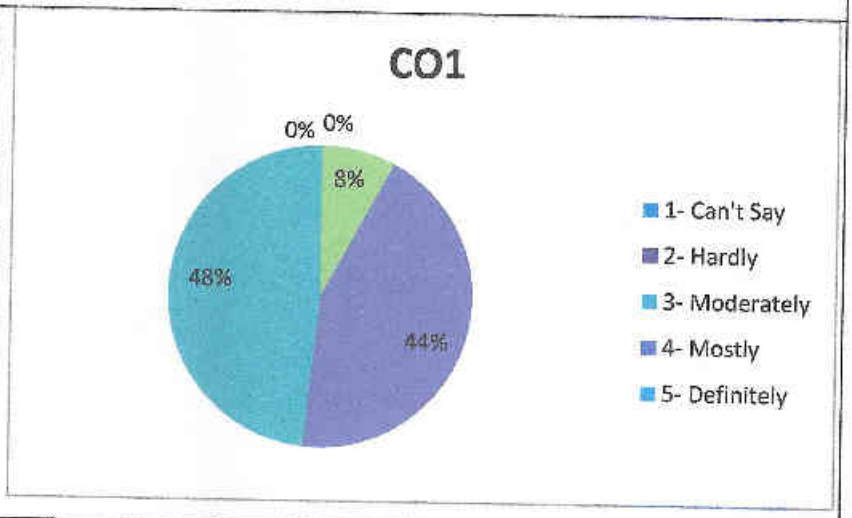
Course Exit Analysis Report (SEM VII)

Subject – Solid Waste management

Subject Teacher - Prof. Saumya Singh / Prof. Asmita Lakhote

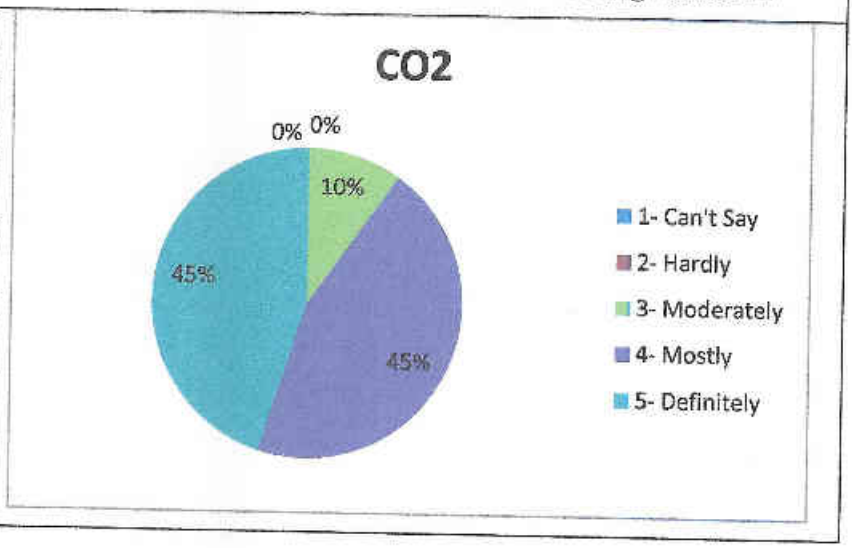
CO1: Explain generation, storage, collection, transfer and transport, processing, recovery and disposal in the management of solid waste .

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	0	0
3- Moderately	12	8
4- Mostly	67	44
5- Definitely	74	48
Total	153	100



CO2: Understand the characteristics of different types of solid waste and the factors affecting variation.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	0	0
3- Moderately	15	10
4- Mostly	69	45
5- Definitely	69	45
Total	153	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

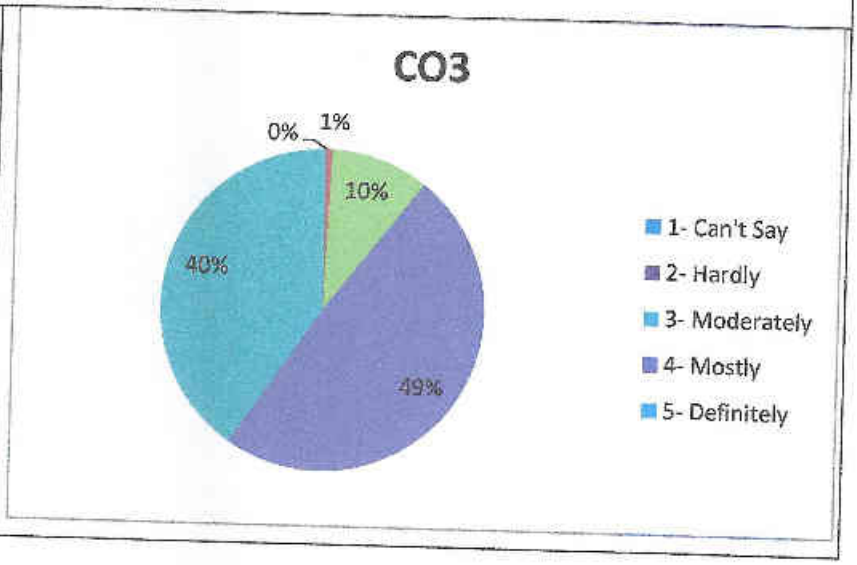
Course Exit Analysis Report (SEM VII)

Subject – Solid Waste management

Subject Teacher - Prof. Saumya Singh / Prof. Asmita Lakhote

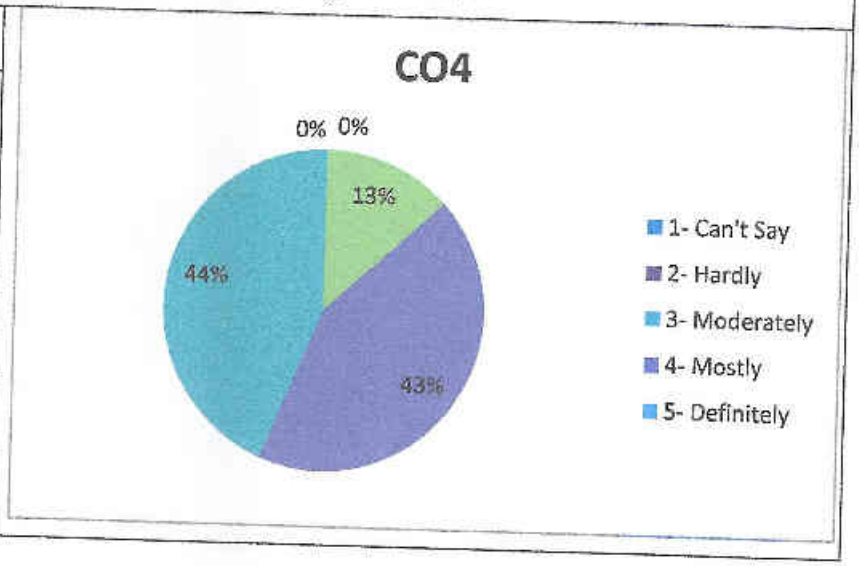
CO3: Illustrate the methods of collection, storage and transportation of solid waste.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	15	10
4- Mostly	75	49
5- Definitely	62	41
Total	153	100



CO4: Identify and suggest suitable technical solutions for processing of wastes.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	0	0
3- Moderately	20	13
4- Mostly	66	43
5- Definitely	67	44
Total	153	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

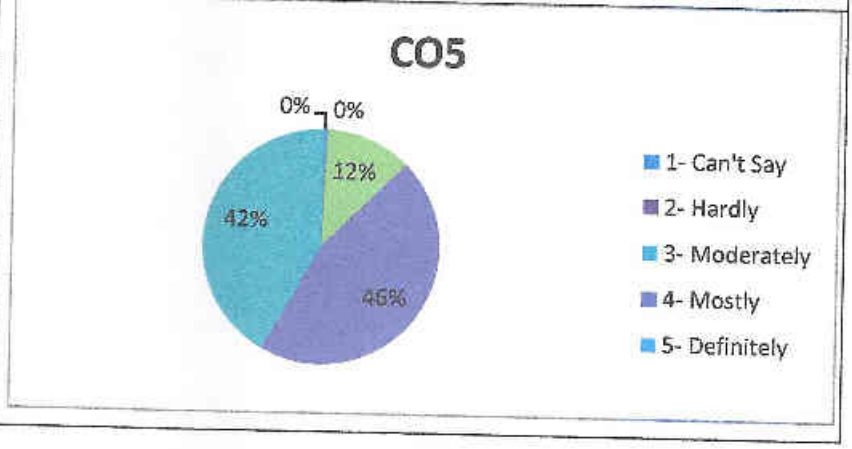
Course Exit Analysis Report (SEM VII)

Subject – Solid Waste management

Subject Teacher - Prof. Saumya Singh / Prof. Asmita Lakhote

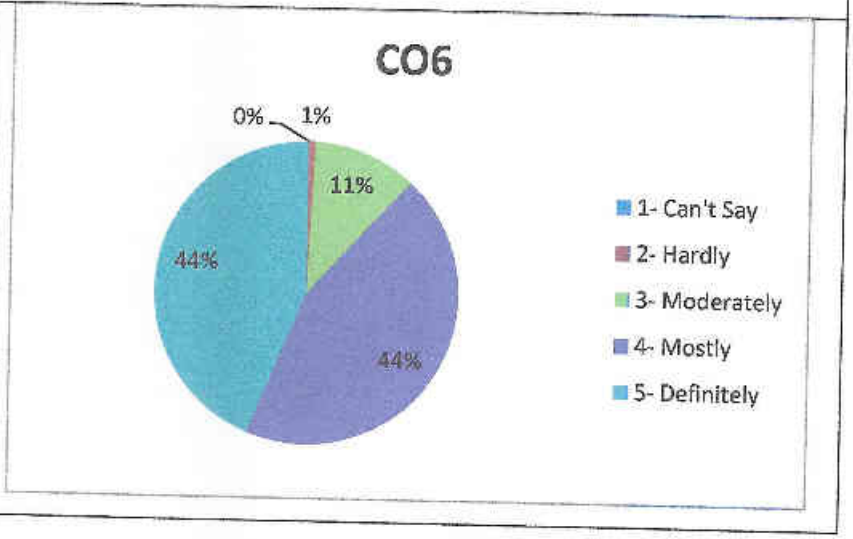
CO5: Plan and analyze methods of waste minimization and disposal of municipal solid waste, landfill, legal aspects of solid waste disposal.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	0	0
3- Moderately	18	12
4- Mostly	70	46
5- Definitely	64	42
Total	153	100



CO6: Evaluate methods of safe handling and treatment of Industrial, Hazardous, Electronic and Biomedical waste.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	17	11
4- Mostly	68	44
5- Definitely	67	44
Total	153	100



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

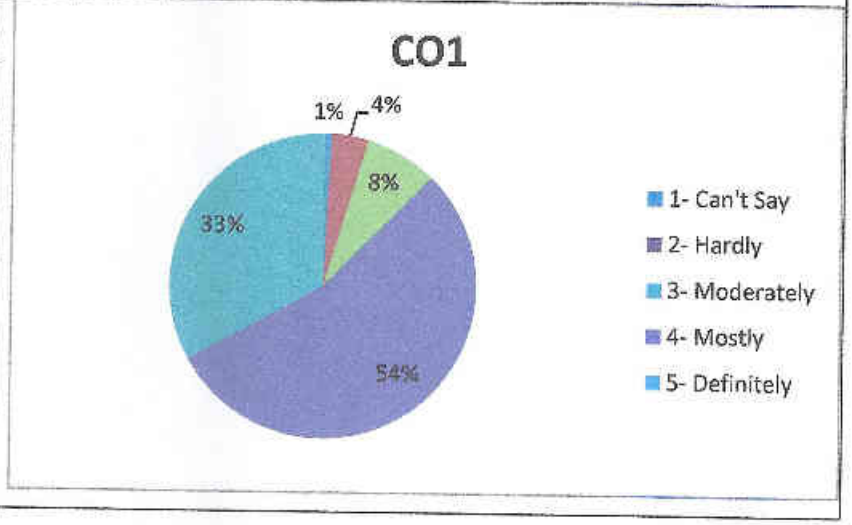
Course Exit Analysis Report (SEM VII)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. Dr. Sunil M. Rangari /Shweta Motharkar / Roshni John

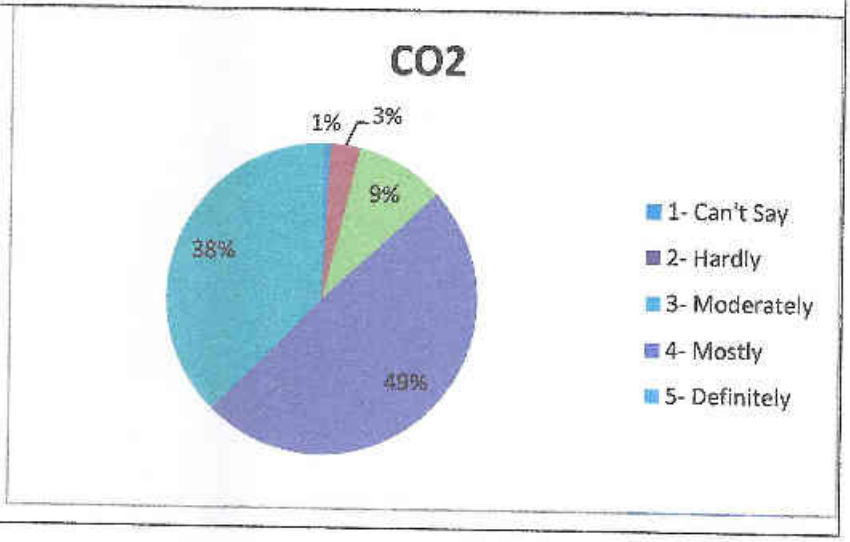
CO1: Apply fundamental concepts in Working Stress Method to solve Civil Engineering problems

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	4
3- Moderately	10	8
4- Mostly	71	55
5- Definitely	43	33
Total	130	100



CO2: Use LSM concepts to solve Civil Engineering problems.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	3
3- Moderately	12	9
4- Mostly	64	49
5- Definitely	49	38
Total	1	1



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Department of Civil Engineering

Academic Year: 2021-22 (Odd)

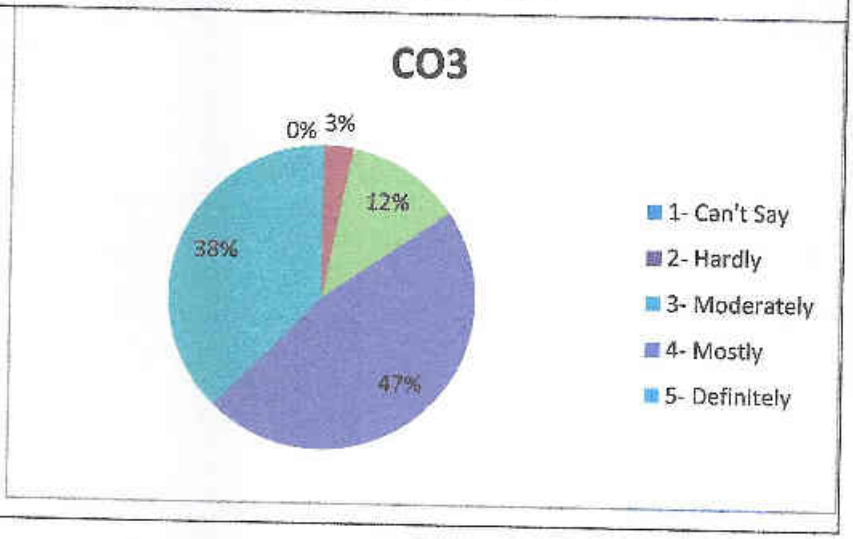
Course Exit Analysis Report (SEM VII)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. Dr. Sunil M. Rangari /Shweta Motharkar / Roshni John

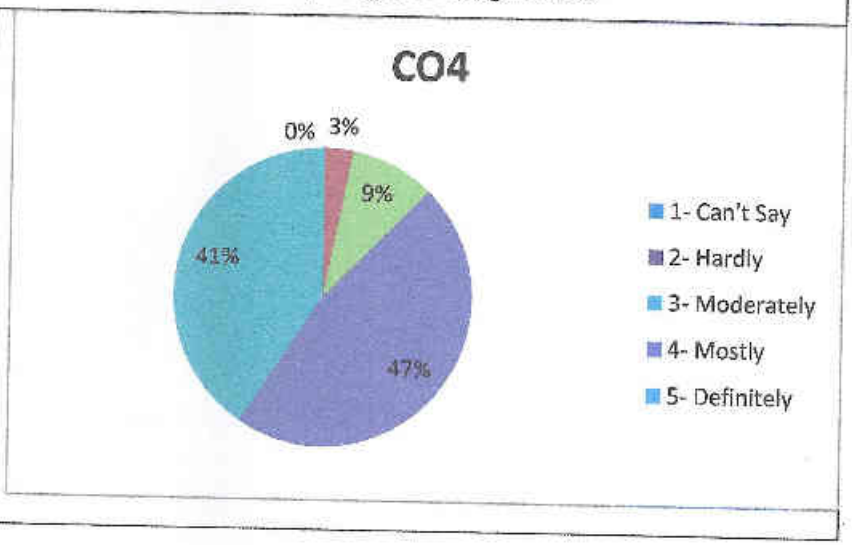
CO3: Identify existing solution method for solving the problems in the design of beams

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	3
3- Moderately	16	12
4- Mostly	61	47
5- Definitely	49	38
Total	130	100



CO4: Extract engineering requirements from IS-456:2000 for analyzing and design Slabs.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	3
3- Moderately	12	9
4- Mostly	61	47
5- Definitely	53	41
Total	130	100



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Academic Year: 2021-22 (Odd)

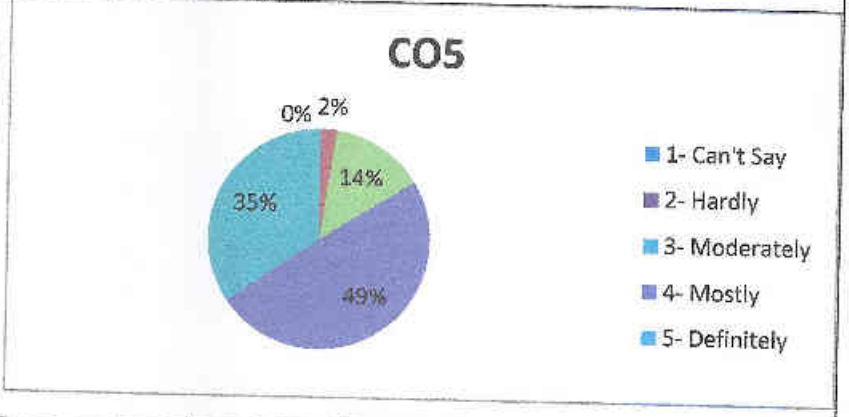
Course Exit Analysis Report (SEM VII)

Subject – Theory of Reinforced Concrete Structures

Subject Teacher - Prof. Dr. Sunil M. Rangari /Shweta Motharkar / Roshni John

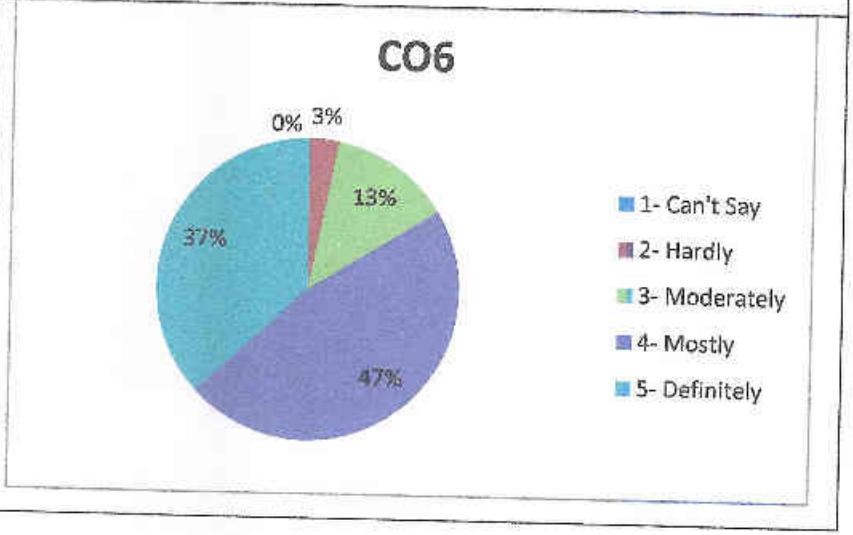
CO5: Identify the mathematical, engineering and other relevant knowledge that applies to the design of columns

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	2
3- Moderately	18	14
4- Mostly	64	49
5- Definitely	45	35
Total	130	100



CO6:

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	3
3- Moderately	17	13
4- Mostly	61	47
5- Definitely	48	37
Total	130	100



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Academic Year: 2021-22 (Odd)

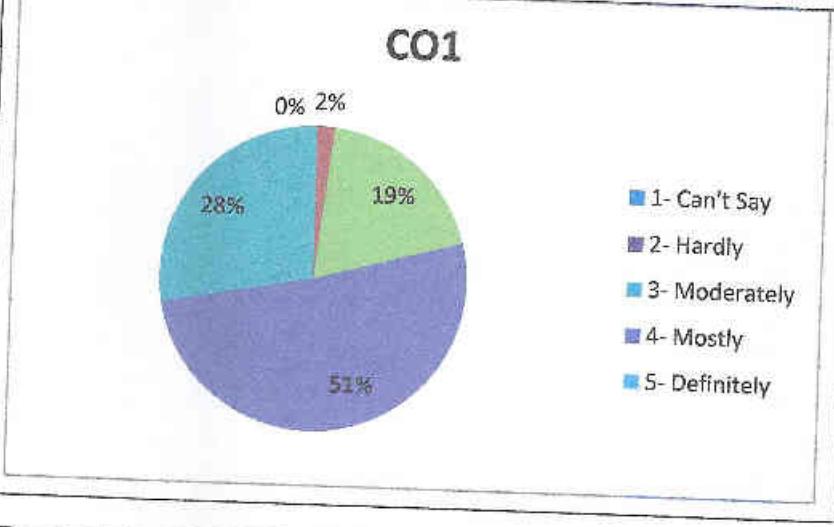
Course Exit Analysis Report (SEM VII)

Subject – Water Resource Engineering -II

Subject Teacher - Prof. Rachel Gitty / Sujaya Wadekar / Prof. Neha Chhangani

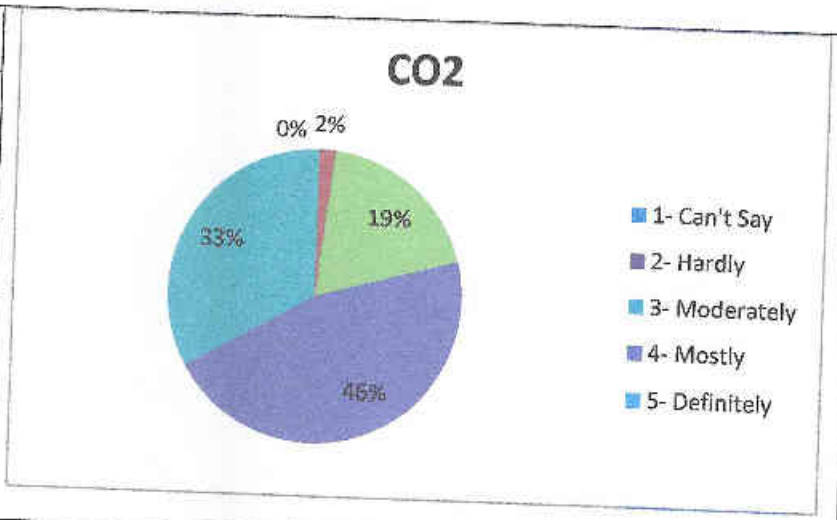
CO1: Able to analyze the dam sections and check the modes of failure of gravity dam.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	2	2
3- Moderately	21	19
4- Mostly	57	51
5- Definitely	31	28
Total	111	100



CO2: Able to Determine, analyse and modify seepage line in earth dam according to different conditions using tools and techniques to solve engineering problems.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	2	2
3- Moderately	21	19
4- Mostly	51	46
5- Definitely	37	33
Total	111	100



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Academic Year: 2021-22 (Odd)

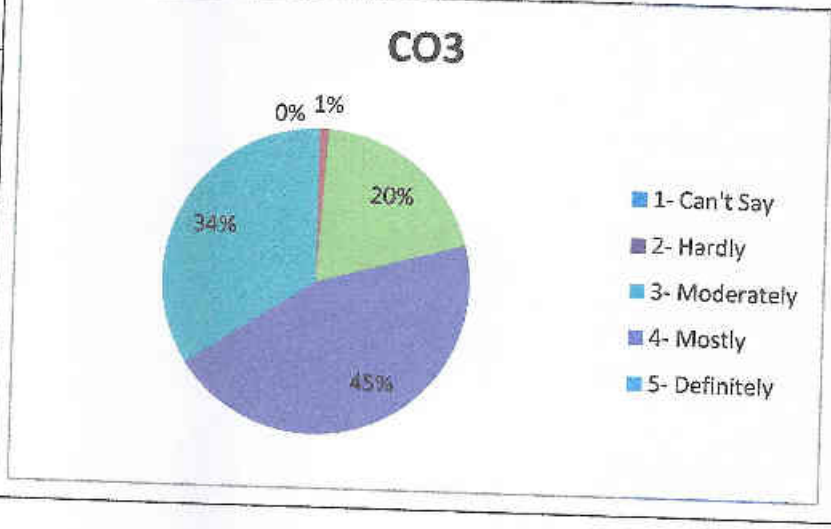
Course Exit Analysis Report (SEM VII)

Subject – Water Resource Engineering -II

Subject Teacher - Prof. Rachel Gitty / Sujaya Wadekar / Prof. Neha Chhangani

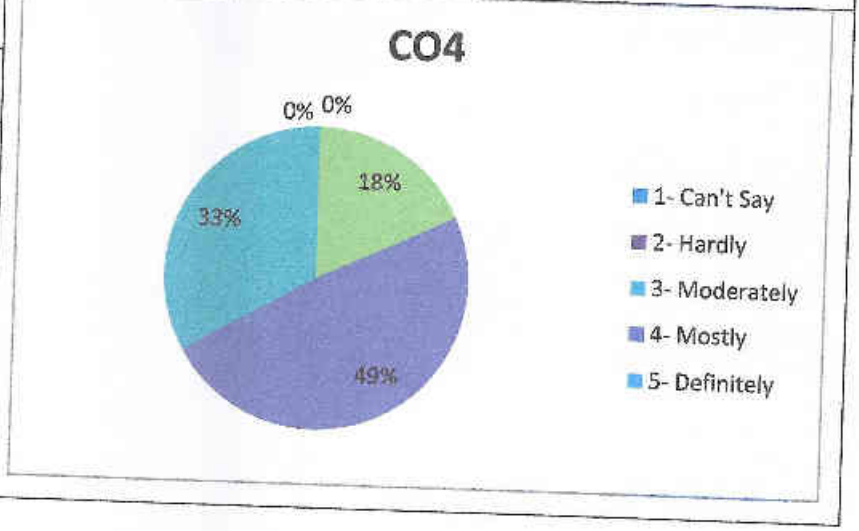
CO3: Able to select suitable types of spillway and energy dissipaters for earth and gravity dams .

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	22	20
4- Mostly	50	45
5- Definitely	38	34
Total	0	0



CO4: Able to calculate channel dimensions using Kennedy's & Lacey's theory of channel design.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	0	0
3- Moderately	20	18
4- Mostly	54	49
5- Definitely	37	33
Total	111	100



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2021 - 2022 (IV SEM)

Summary of feedback (Semester 4):

All students of Semester 4 had given feedbacks for all the subjects which were collected through course exit forms. Those feedbacks were analysed and necessary actions were planned for effective teaching. Some suggestions obtained from the students are as follows.

- Additional lectures for application of partial differentiation in civil engineering of EM IV are required.
- Need more practice for Survey Practicals in different terrain
- Require more sessions to improve inter personal development .
- Require more site visits for better understanding.

Action Taken:

Based on suggestions, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Additional lectures for application of partial differentiation in civil engineering of EM IV are required.	Extra classes were taken and discussed in detail	As required
2	Need more practice for Survey Practicals in different terrain	Arranged Survey camp for field practice in the institute campus	Practical hours
3.	Require more sessions to improve inter	Arranged programs on yoga	As required

	personal skills.	and interactive sessions were conducted.	
4	Require site visits for better understanding.	Arranged site visits Visit to RMC Plant at Taloja	11/12 of April 2022

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

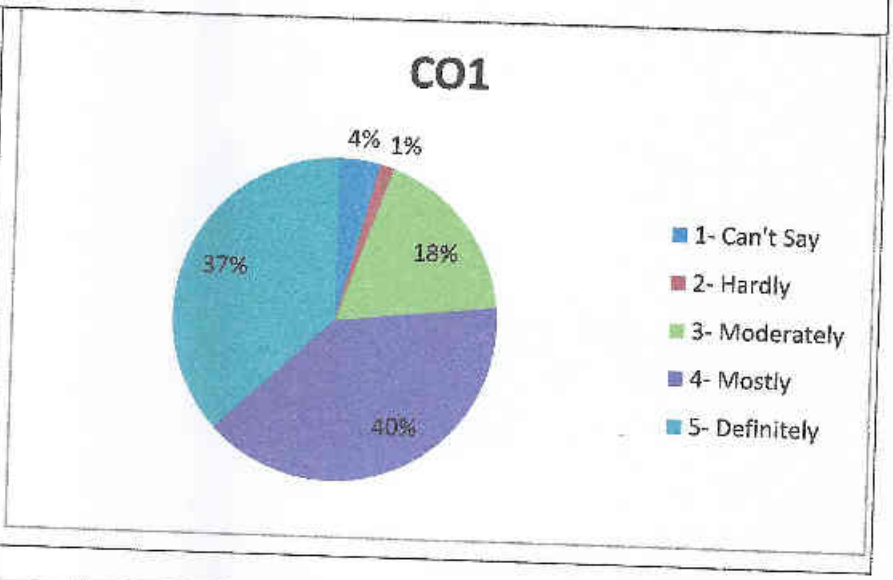
Course Exit Analysis Report (SEM IV)

Subject – Engineering Mathematics - IV

Subject Teacher - Prof. Madhukar Andhale

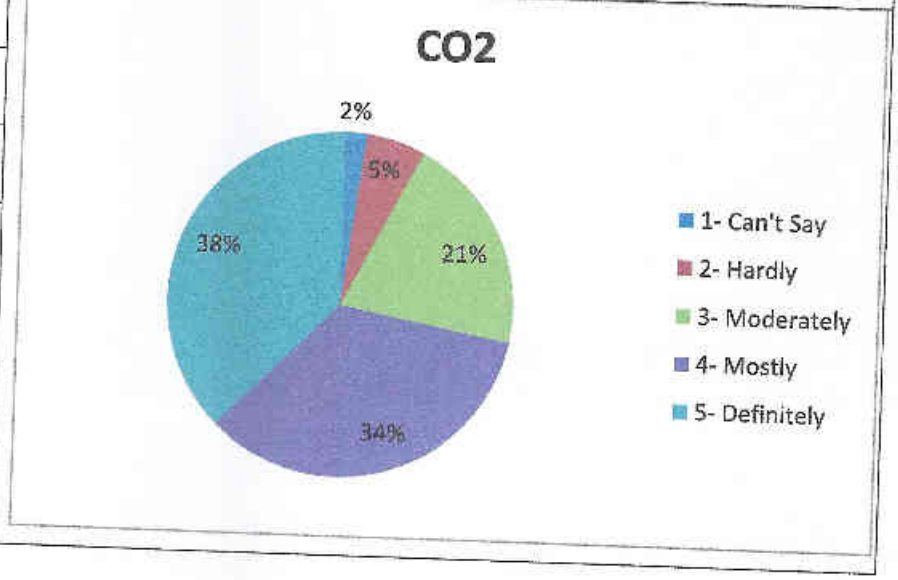
CO1: Apply the concept of Vector calculus to evaluate line integrals, surface integrals using Green's line integrals,theorem, Stoke's theorem & Gauss Divergenc theorem

Score	No. of students	Percentage (%)
1- Can't Say	6	4
2- Hardly	2	1
3- Moderately	26	18
4- Mostly	58	40
5- Definitely	54	37
Total	146	100



CO2: Use the concepts of Complex Integration for evaluating integrals, computing residues & various contour integrals

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	8	5
3- Moderately	30	21
4- Mostly	50	34
5- Definitely	55	38
Total		



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

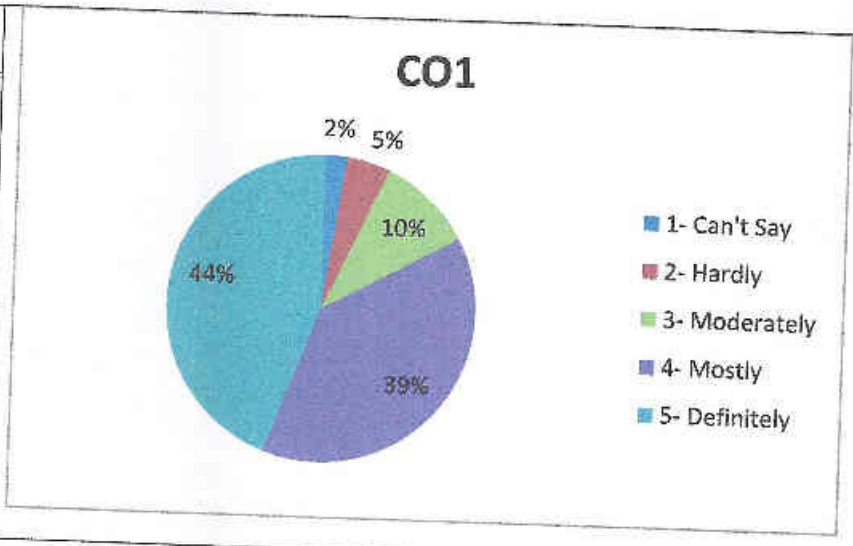
Course Exit Analysis Report (SEM IV)

Subject – Surveying

Subject Teacher - Prof. Shanthi Selvam / Anjali Sharon D'sa / Pallavi Tajane

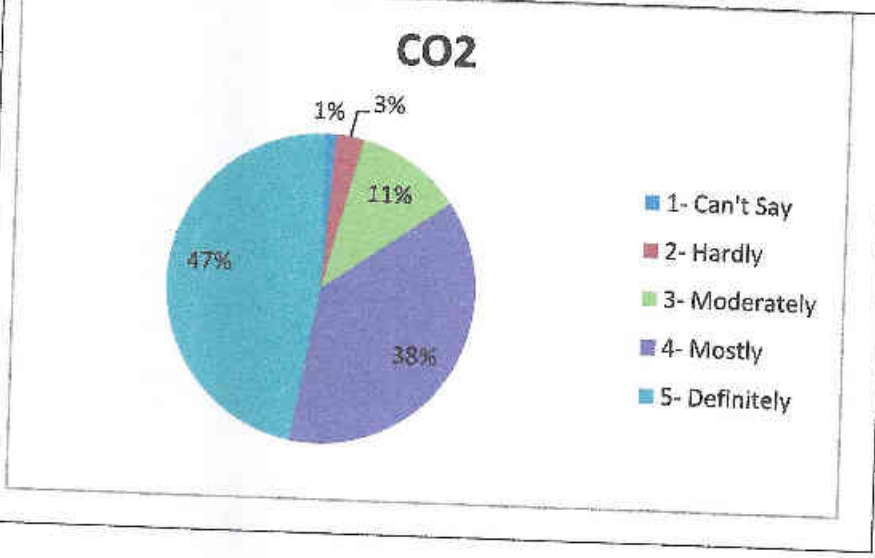
CO1: Understand and apply the principles of surveying and conduct field procedures for linear and angular measurements.

Score	No. of students	Percentage (%)
1- Can't Say	4	2
2- Hardly	8	5
3- Moderately	18	10
4- Mostly	68	39
5- Definitely	78	44
Total	176	100



CO2: Identify & Choose suitable types of levelling for measuring vertical distances and their applications, determine RL and check.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	5	3
3- Moderately	20	11
4- Mostly	66	38
5- Definitely	83	47
Total	176	100



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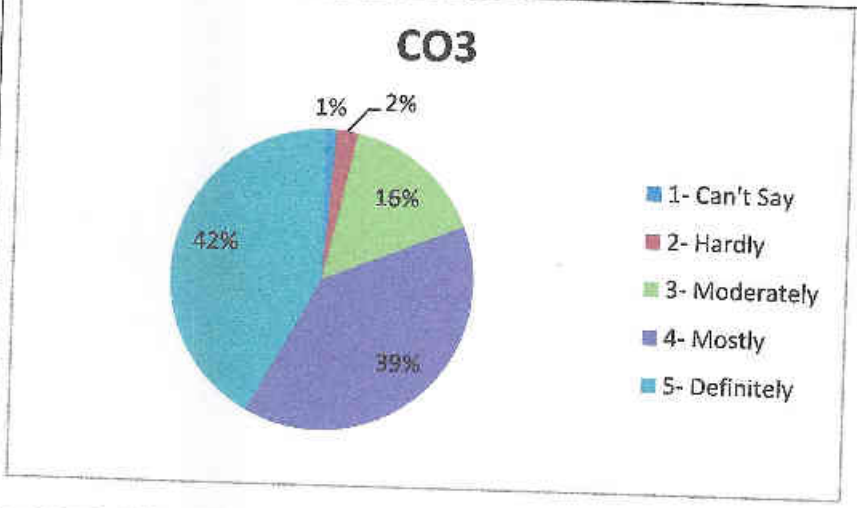
Course Exit Analysis Report (SEM IV)

Subject – Surveying

Subject Teacher - Prof. Shanthi Selvam / Anjali Sharon D'sa / Pallavi Tajane

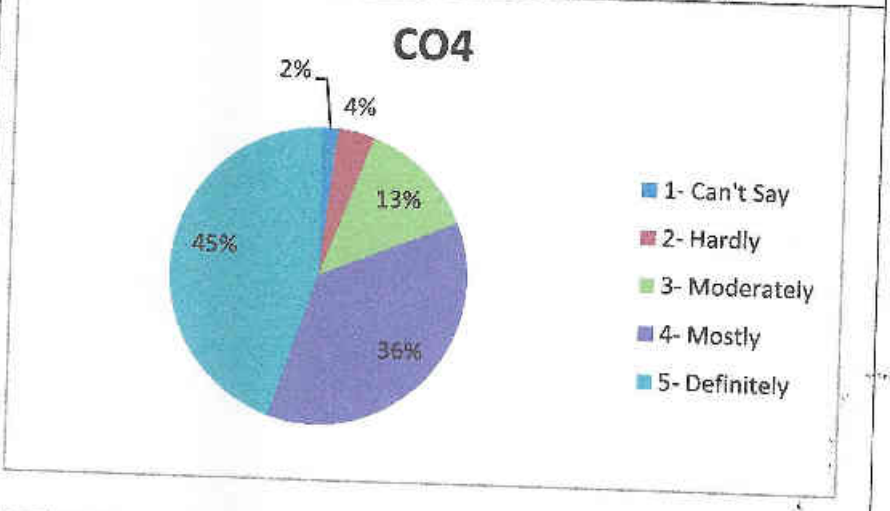
CO3: Record and analyse or the field data for preparing drawings by using theodolite.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	4	2
3- Moderately	27	15
4- Mostly	69	39
5- Definitely	74	42
Total	176	100



CO4: Make use of Indirect and advanced methods of surveying.

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	7	4
3- Moderately	23	13
4- Mostly	64	36
5- Definitely	79	45
Total	176	100



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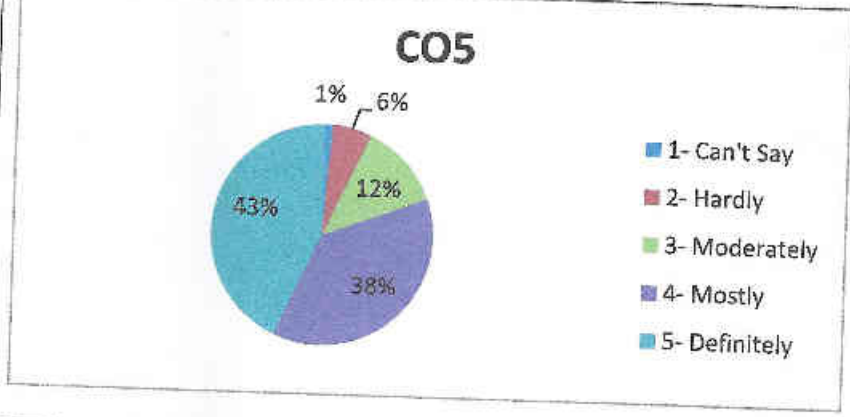
Course Exit Analysis Report (SEM IV)

Subject – Surveying

Subject Teacher - Prof. Shanthi Selvam / Anjali Sharon D'sa / Pallavi Tajane

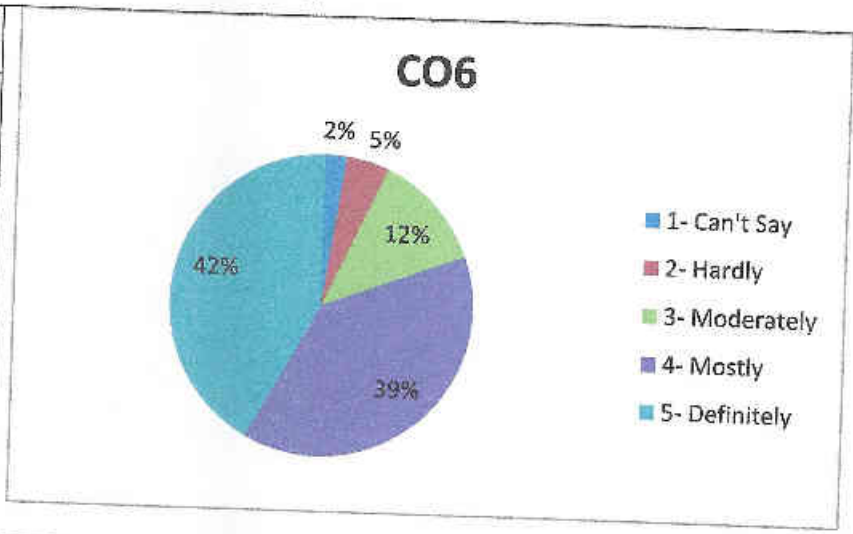
CO5: Determine of areas and volumes for solving surveying problems.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	10	6
3- Moderately	22	13
4- Mostly	66	38
5- Definitely	76	43
Total	176	100



CO6: Design and set out of suitable horizontal and vertical curves.

Score	No. of students	Percentage (%)
1- Can't Say	4	2
2- Hardly	8	5
3- Moderately	22	13
4- Mostly	68	39
5- Definitely	74	42
Total	176	100



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Academic Year: 2021-22 (Even)

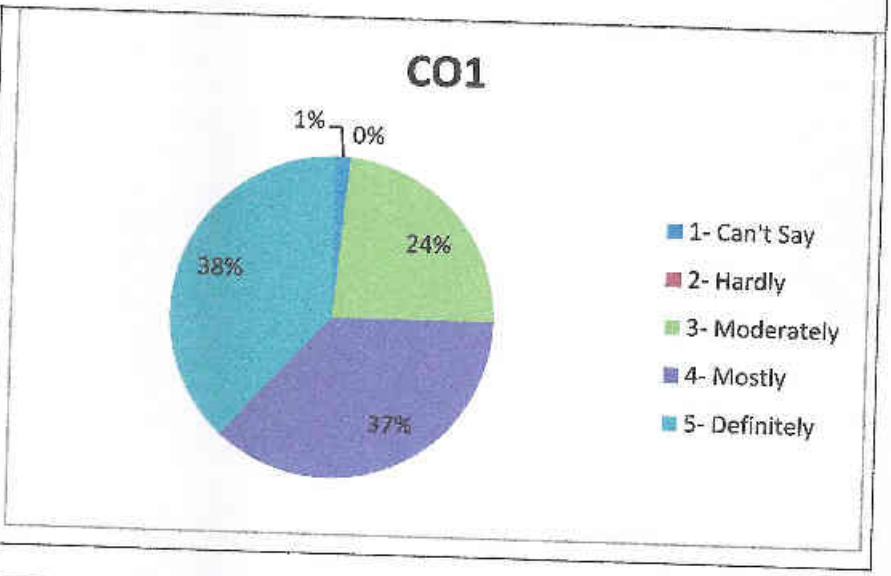
Course Exit Analysis Report (SEM IV)

Subject – Fluid Mechanics - II

Subject Teacher - Prof. Pooja Somani / Ashwini Bodkhe / Shahbaz Khan

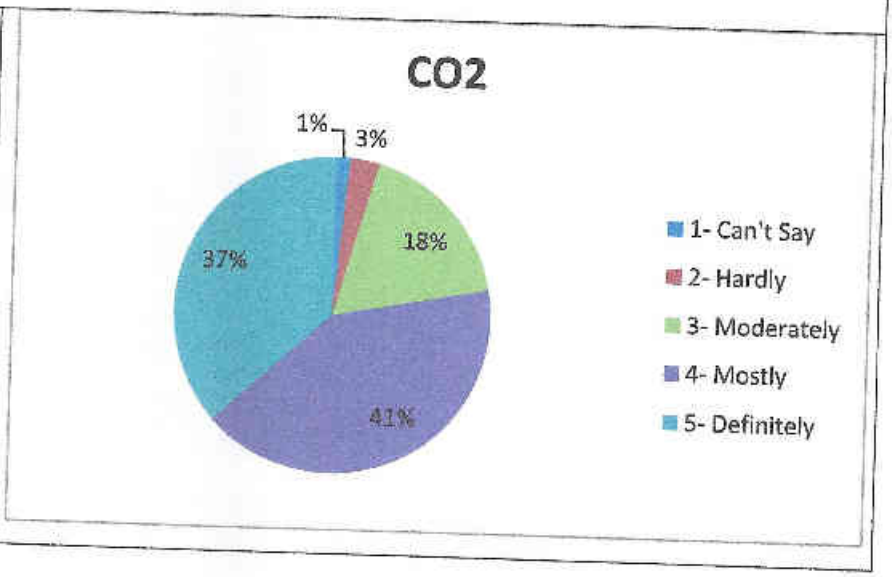
CO1: The knowledge of closed conduit flows, determine various losses through pipes, Pipenetwork and Water hammer effect

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	0	0
3- Moderately	16	24
4- Mostly	25	37
5- Definitely	26	38
Total	68	100



CO2: able to understand theory of Laminar flow, laminar flow through circular pipes, flow between two parallel plates etc

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	3
3- Moderately	12	18
4- Mostly	28	41
5- Definitely	25	37
Total	68	100



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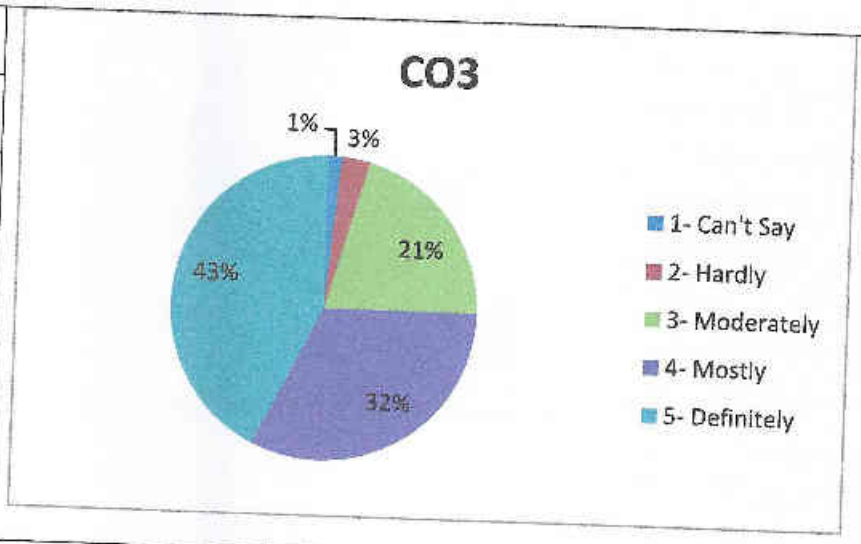
Course Exit Analysis Report (SEM IV)

Subject – Fluid Mechanics - II

Subject Teacher - Prof. Pooja Somani / Ashwini Bodkhe / Shahbaz Khan

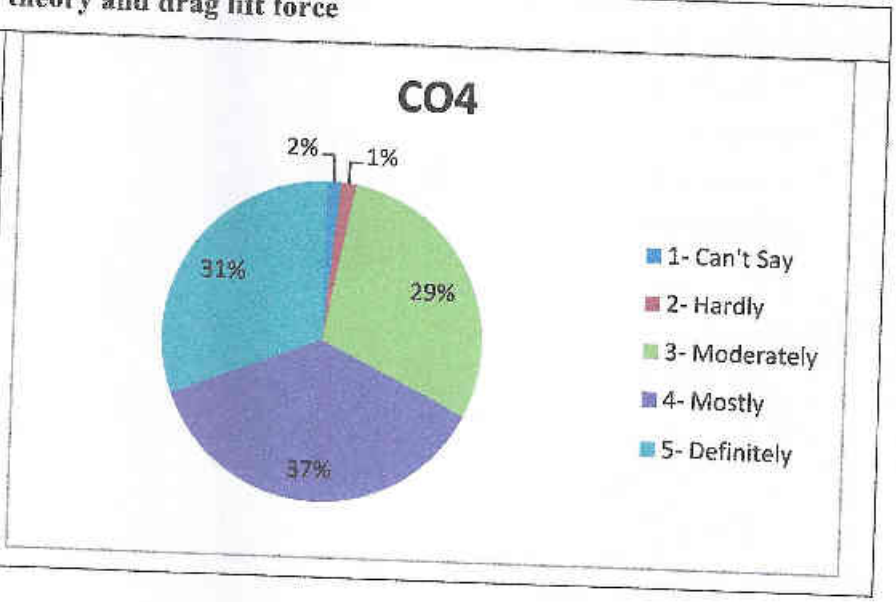
CO3: Theory turbulent flow, shear stress in turbulent flow, Reynolds's stresses,Prandtl's mixing length Theory

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	3
3- Moderately	14	21
4- Mostly	22	32
5- Definitely	29	43
Total	68	100



CO4: Able to understand boundary layer theory and drag lift force

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	20	29
4- Mostly	25	37
5- Definitely	21	31
Total	68	100



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Academic Year: 2021-22 (Even)

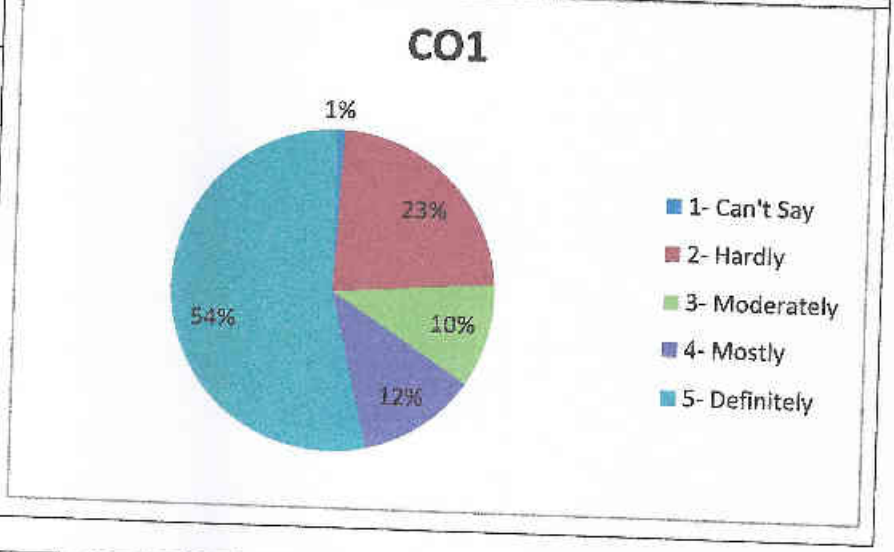
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology

Subject Teacher - Prof. Tarannum Shiekh / Sujaya Wadekar / Prof. Deepali Phadatare / Prof. Neha Chhangani

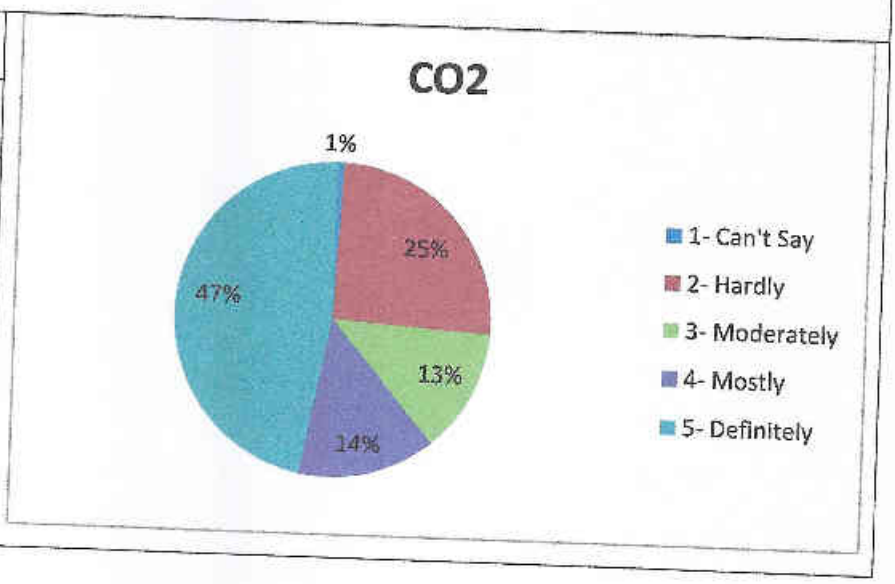
CO1: Test physical properties of cement, aggregate & concrete.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	31	23
3- Moderately	14	10
4- Mostly	16	12
5- Definitely	72	54
Total	134	100



CO2: Experiment with the physical attributes and mechanical strength of various other building materials like bricks .

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	34	25
3- Moderately	17	13
4- Mostly	19	14
5- Definitely	63	47
Total	134	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

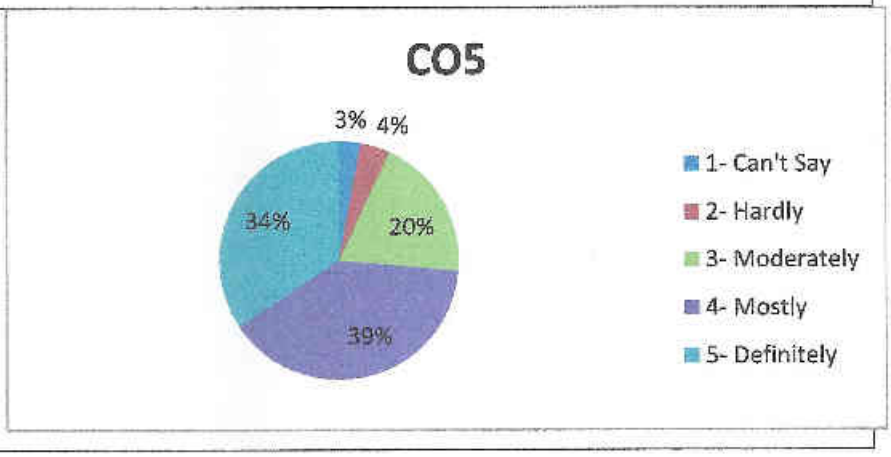
Course Exit Analysis Report (SEM IV)

Subject – Structural Analysis

Subject Teacher - Prof. D M Joshi / Anjali D'Sa / Shahbaz Khan / Shweta Motharkar / Armaan Ansari

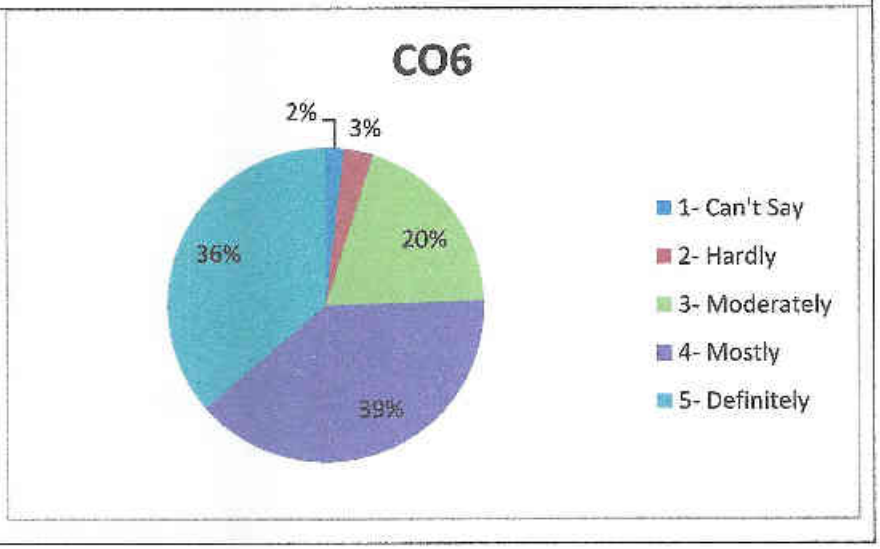
CO5: evaluation of stiffness matrices for indeterminate structures to compute response for the same .

Score	No. of students	Percentage (%)
1- Can't Say	3	3
2- Hardly	4	4
3- Moderately	20	20
4- Mostly	40	39
5- Definitely	35	34
Total	102	100



CO6: Analyze indeterminate structures by MDM and to carry out plastic analysis of structures.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	20	20
4- Mostly	40	39
5- Definitely	37	36
Total	102	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

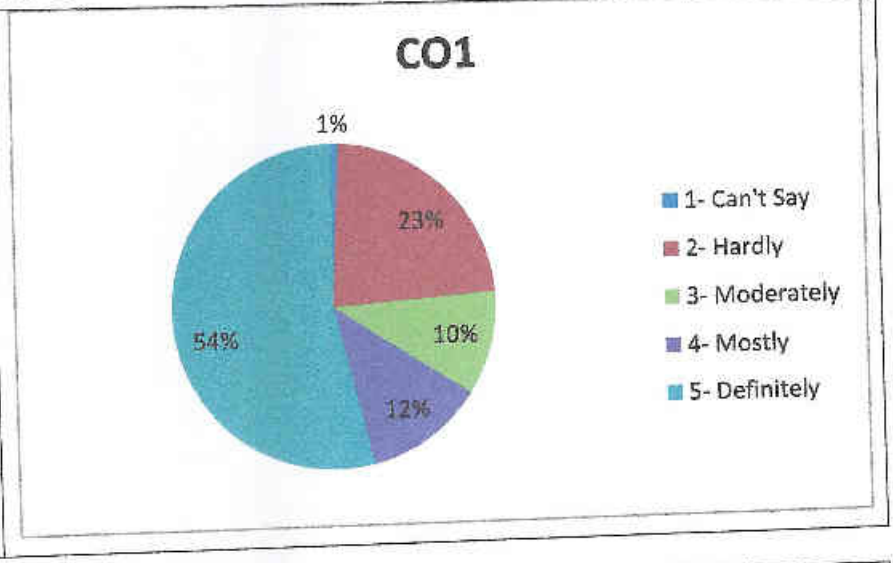
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology

Subject Teacher - Prof. Tarannum Shiekh / Sujaya Wadekar / Prof. Deepali Phadatare / Prof. Neha Chhangani

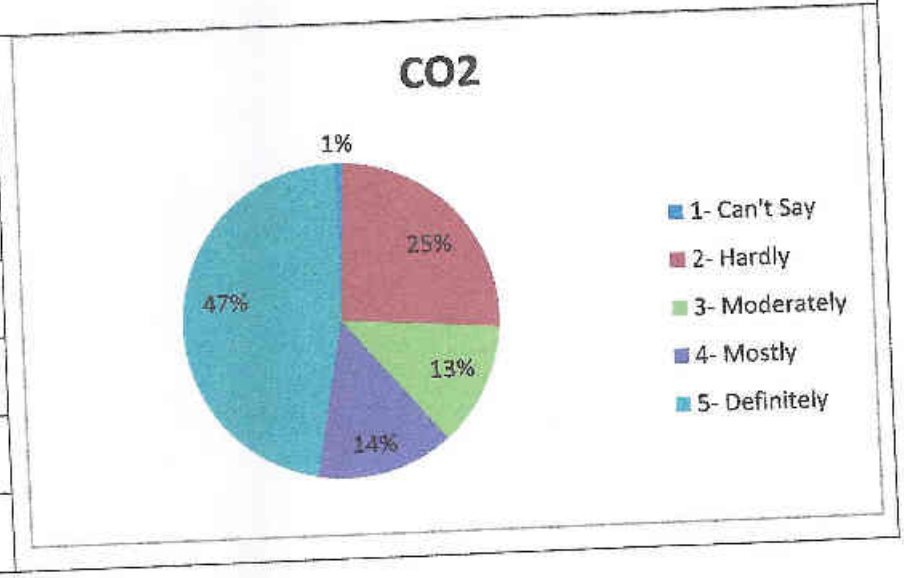
CO1: Test physical properties of cement, aggregate & concrete.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	31	23
3- Moderately	14	10
4- Mostly	16	12
5- Definitely	72	54
Total	134	100



CO2: Experiment with the physical attributes and mechanical strength of various other building materials like bricks .

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	34	25
3- Moderately	17	13
4- Mostly	19	14
5- Definitely	63	47
Total	134	100



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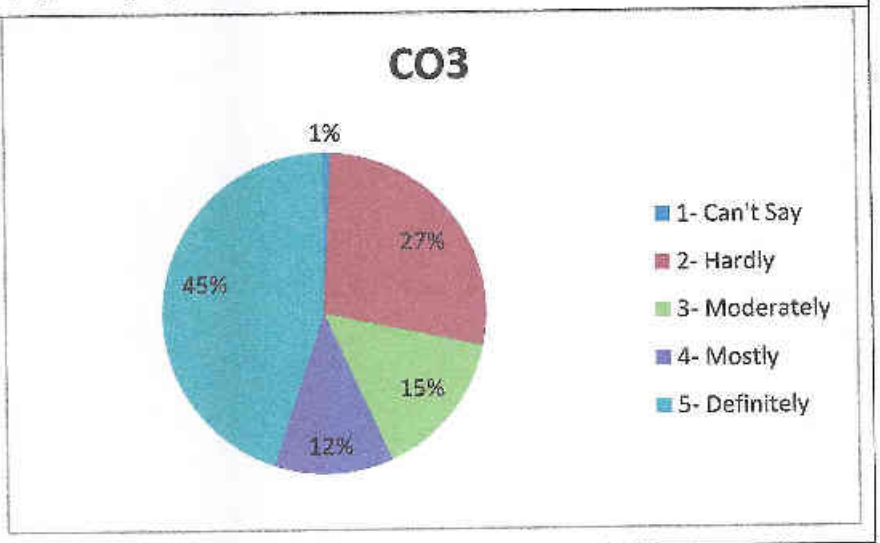
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology

Subject Teacher - Prof. Tarannum Shiekh / Sujaya Wadekar / Prof. Deepali Phadatare / Prof. Neha Chhangani

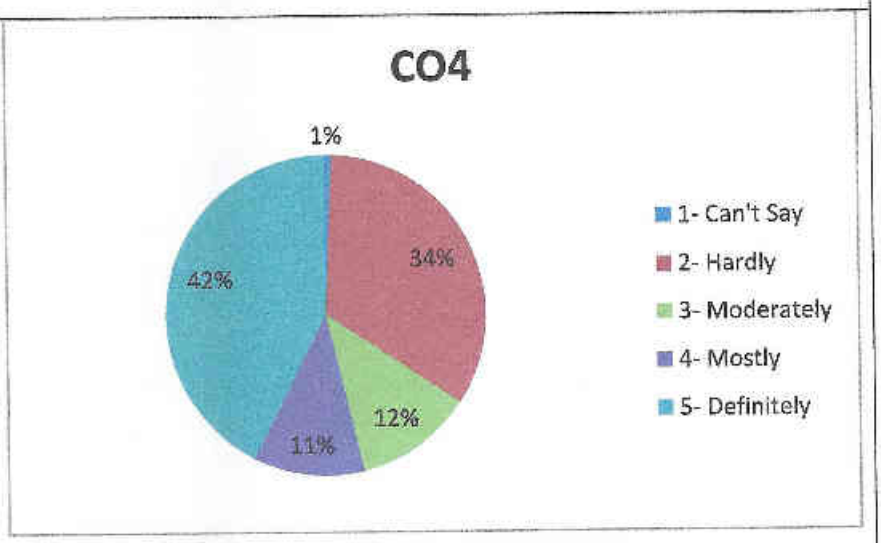
CO3: Evaluate the effects of admixtures on physical properties of concrete.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	37	28
3- Moderately	20	15
4- Mostly	16	12
5- Definitely	60	45
Total	134	100



CO4: Examine the different basic non-destructive tests determine the durability and strength of existing concrete structures.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	45	34
3- Moderately	16	12
4- Mostly	15	11
5- Definitely	57	43
Total	134	100



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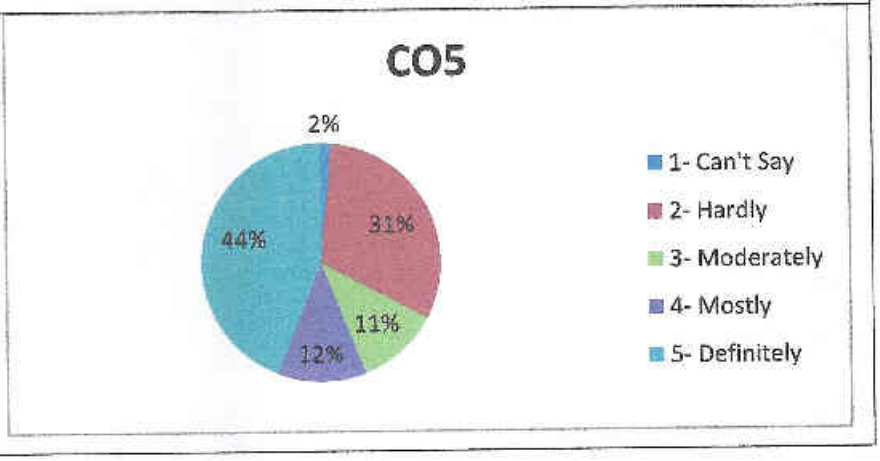
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology

Subject Teacher - Prof. Tarannum Shiekh / Sujaya Wadekar / Prof. Deepali Phadatare / Prof. Neha Chhangani

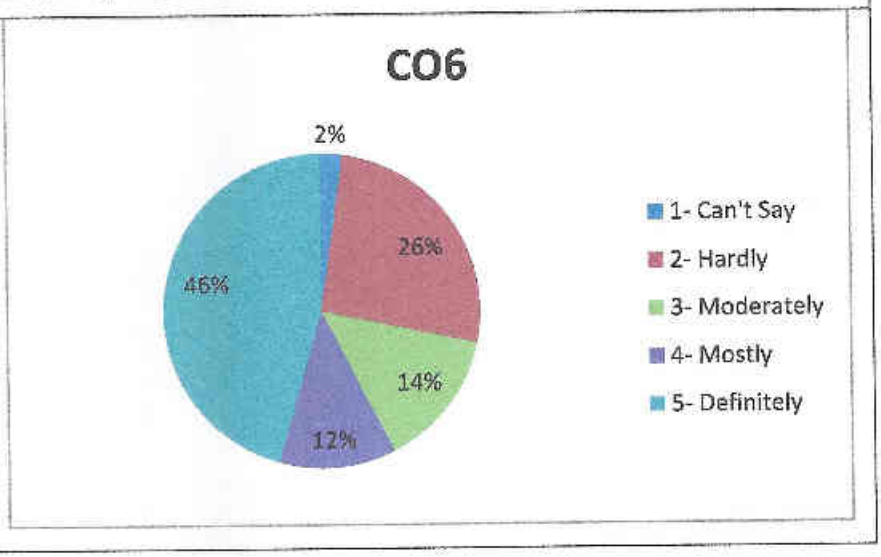
CO5: Design the concrete mix

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	42	31
3- Moderately	15	11
4- Mostly	16	12
5- Definitely	59	44
Total	134	100



CO6: Develop collaborative skills to work in team/group.

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	35	26
3- Moderately	19	14
4- Mostly	16	12
5- Definitely	61	46
Total	134	100



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Academic Year: 2021-22 (Even)

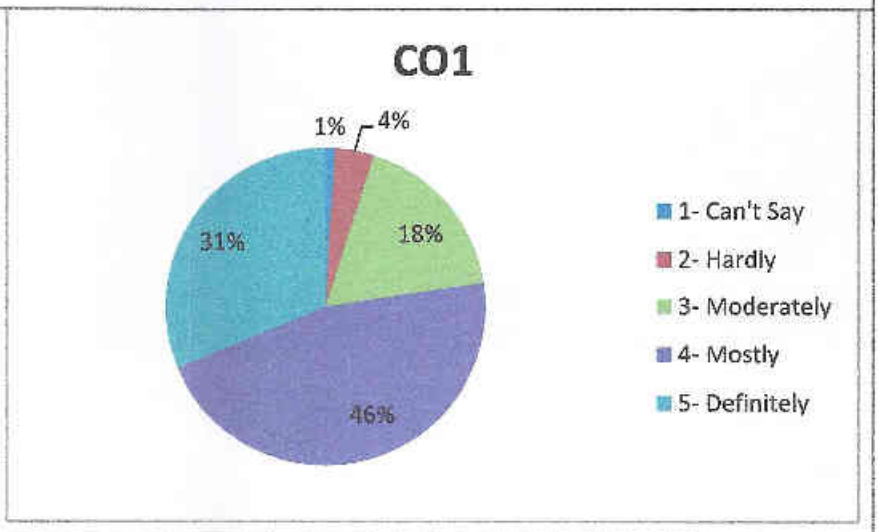
Course Exit Analysis Report (SEM IV)

Subject – Structural Analysis

Subject Teacher - Prof. D M Joshi / Anjali D'Sa / Shahbaz Khan / Shweta Motharkar / Armaan Ansari

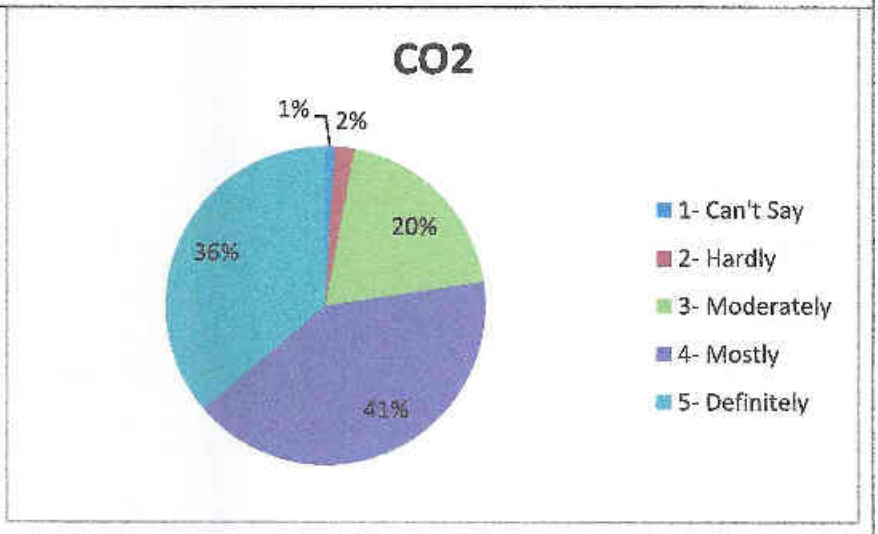
CO1: Determine the forces acting on determinate structures such as trusses and arches

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	4
3- Moderately	18	18
4- Mostly	47	46
5- Definitely	32	31
Total	102	100



CO2: draw influence line diagrams for axial forces for trusses and beams for rolling and static loads

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	2
3- Moderately	20	20
4- Mostly	42	41
5- Definitely	37	36
Total	102	100



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Academic Year: 2021-22 (Even)

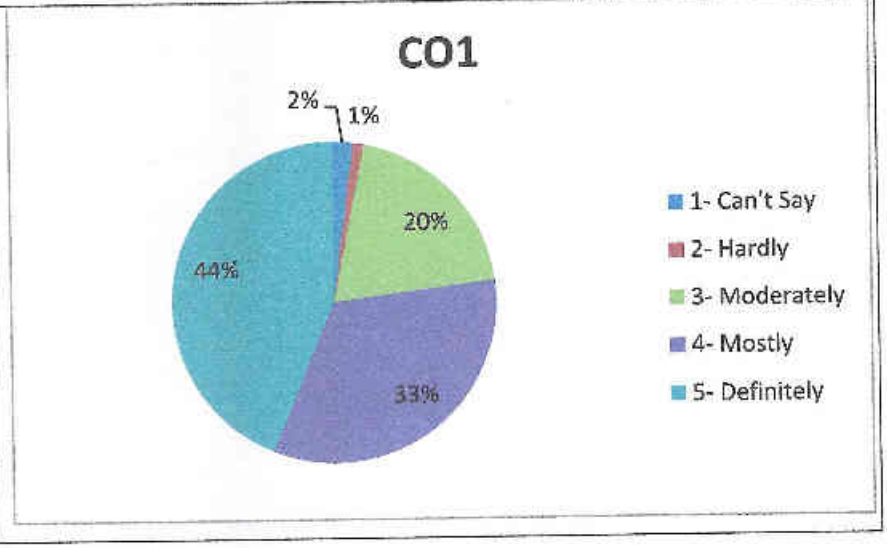
Course Exit Analysis Report (SEM IV)

Subject – Fluid Mechanics - II

Subject Teacher - Prof. Pramod Sutar / Shahbaz Khan / Hemant Sarje/ Prof. Pooja Somani

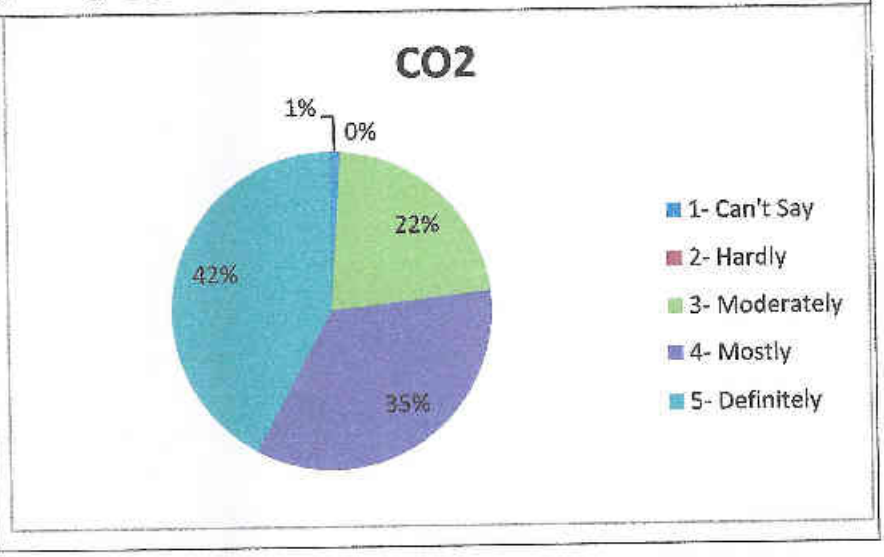
CO1: Compare different types of flow using Reynold's apparatus

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	19	20
4- Mostly	32	33
5- Definitely	42	44
Total	96	100



CO2: Evaluate the viscosity of fluid flowing through pipes

Score	No. of students	Percentage (%)
- Can't Say	1	1
2- Hardly	0	0
3- Moderately	21	22
4- Mostly	33	35
5- Definitely	40	42
Total	95	100



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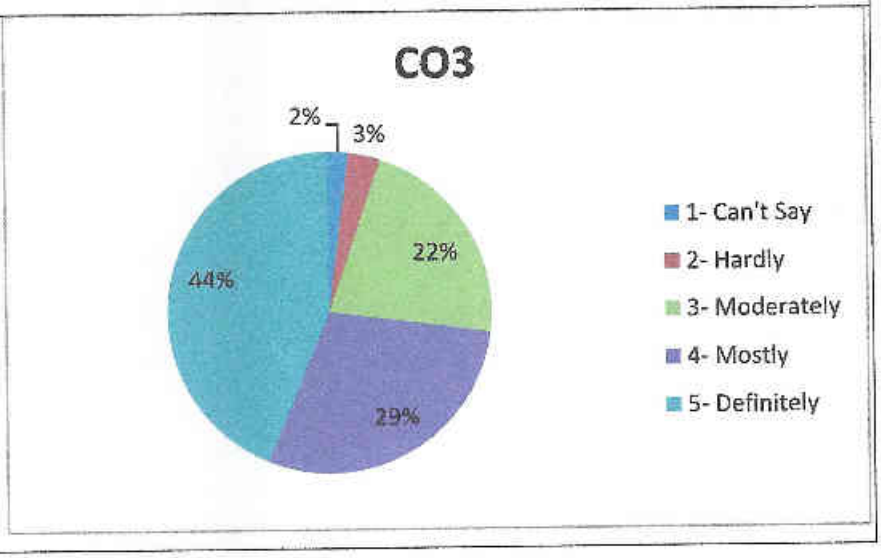
Course Exit Analysis Report (SEM IV)

Subject – Fluid Mechanics - II

Subject Teacher - Prof. Pramod Sutar / Shahbaz Khan / Hemant Sarje/ Prof. Pooja Somani

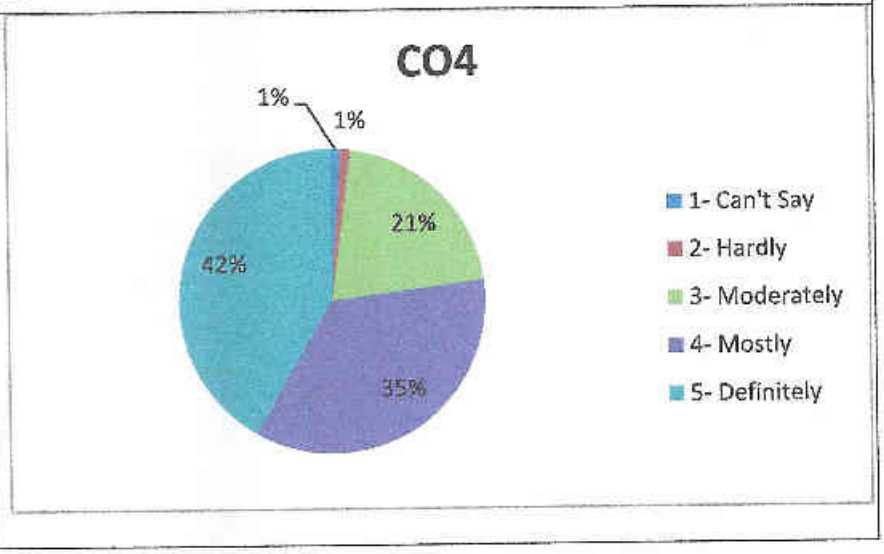
CO3: Calculate head loss due to friction incurred by a fluid along a pipeline

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	21	22
4- Mostly	28	29
5- Definitely	42	44
Total	96	100



CO4: Determine different minor losses in pipe fittings

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	20	21
4- Mostly	34	35
5- Definitely	40	42
Total	96	100



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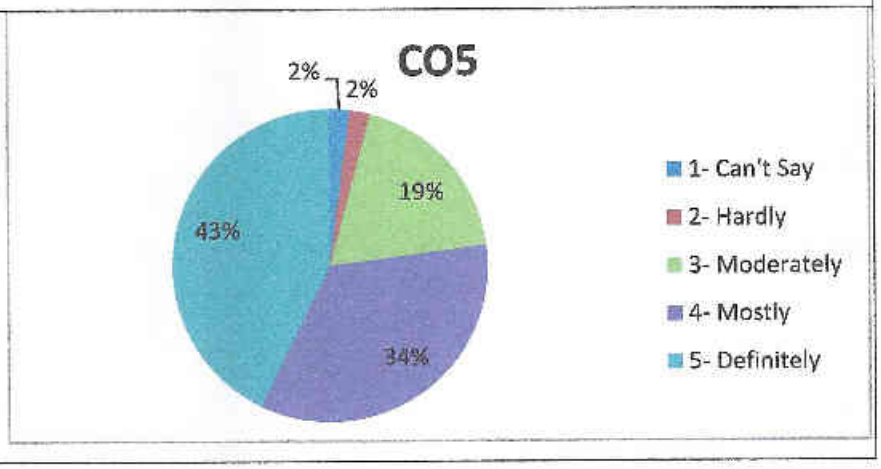
Course Exit Analysis Report (SEM IV)

Subject – Fluid Mechanics - II

Subject Teacher - Prof. Pramod Sutar / Shahbaz Khan / Hemant Sarje/ Prof. Pooja Somani

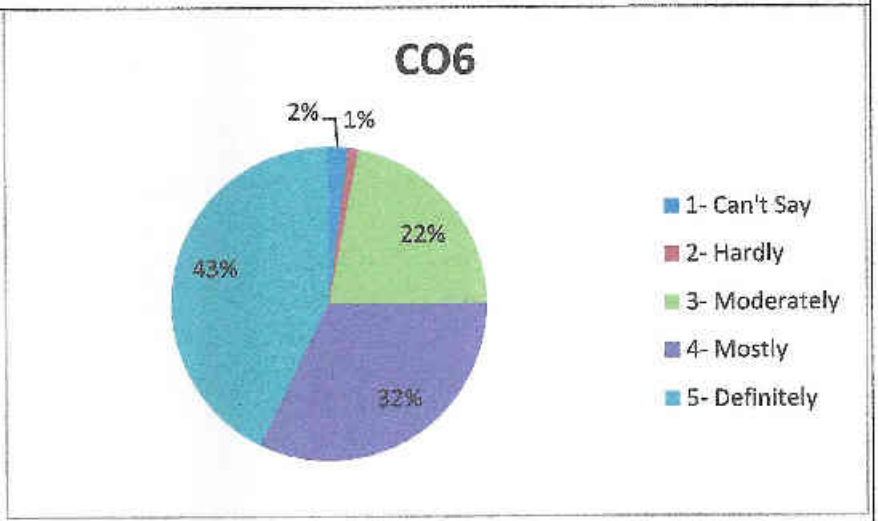
CO5: Analyse the behaviour of Laminar flow through pipes

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	18	19
4- Mostly	33	34
5- Definitely	41	43
Total	96	100



CO6: Assess the flow pattern and velocity distribution in pipe flow

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	21	22
4- Mostly	31	32
5- Definitely	41	43
Total	96	100



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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

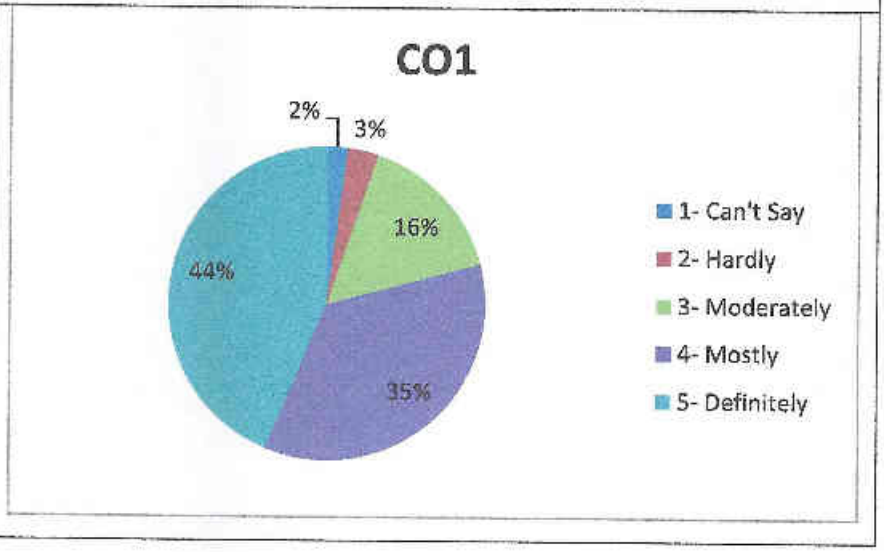
Course Exit Analysis Report (SEM IV)

Subject – Mini Project -1B

Subject Teacher - Prof. Chaitali Isal / Sujaya Wadekar / Neha Chhangani

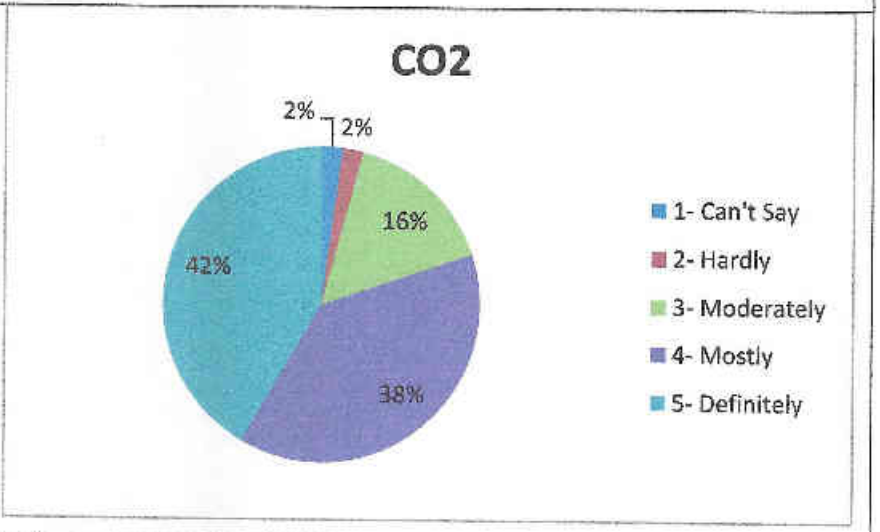
CO1: To acquaint with the process of identifying the needs and utilize it by converting it into aproblem.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	15	16
4- Mostly	34	35
5- Definitely	42	44
Total	96	100



CO2: To familarize and infer the process of solving the problem in a group .

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	15	16
4- Mostly	37	39
5- Definitely	40	42
Total	96	100



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Academic Year: 2021-22 (Even)

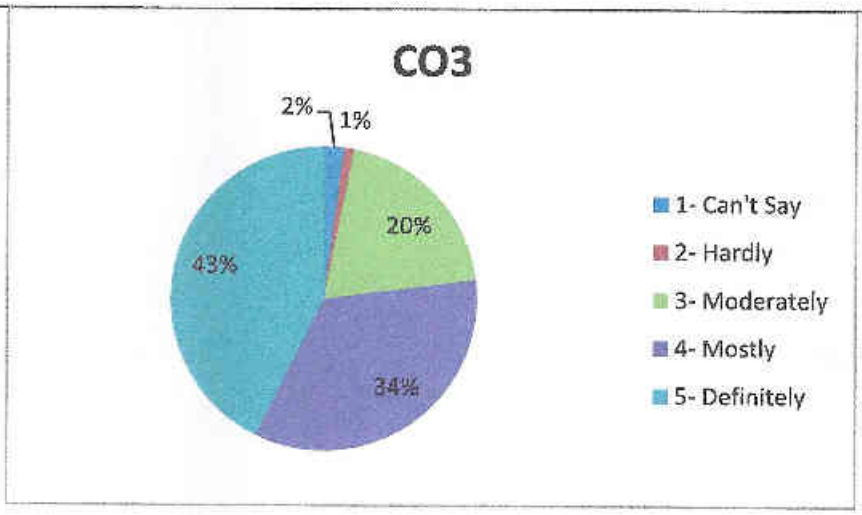
Course Exit Analysis Report (SEM IV)

Subject – Mini Project -1B

Subject Teacher - Prof. Chaitali Isal / Sujaya Wadekar / Neha Chhangani

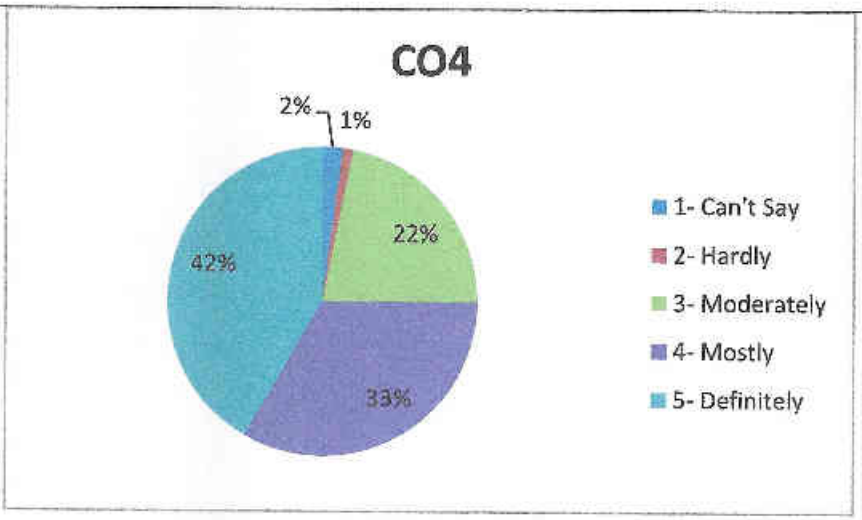
CO3: To analyze and choose the process of applying basic engineering fundamentals to attempt solutions to the problems.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	19	20
4- Mostly	33	34
5- Definitely	41	43
Total	96	100



CO4: To develop interpersonal skills to work as a member of a group or leader.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	1	1
3- Moderately	21	22
4- Mostly	32	33
5- Definitely	40	42
Total	96	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

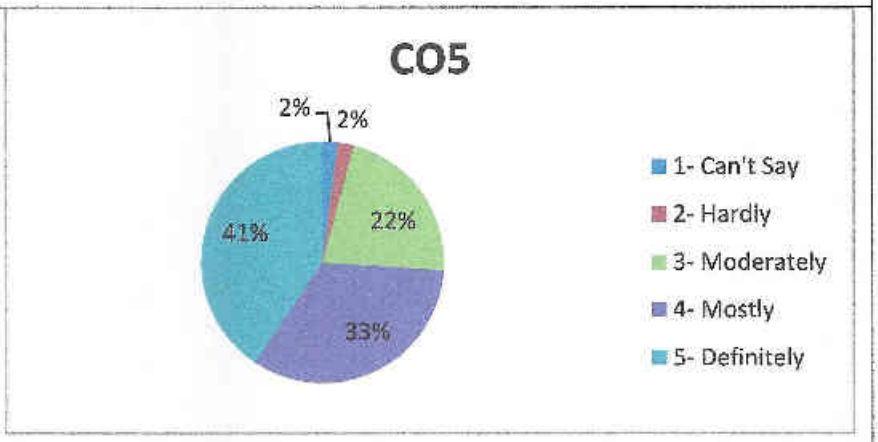
Course Exit Analysis Report (SEM IV)

Subject – Mini Project -1B

Subject Teacher - Prof. Chaitali Isal / Sujaya Wadekar / Neha Chhangani

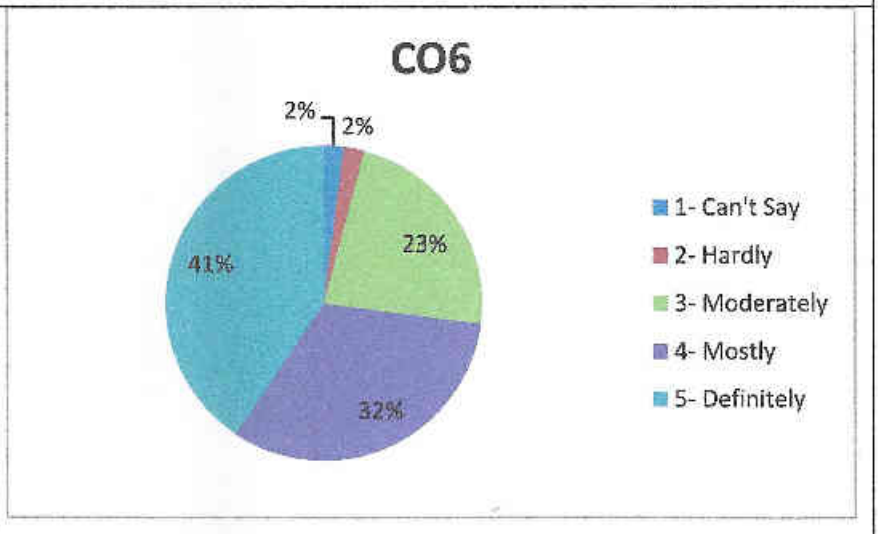
CO5: To adapt the process of self learning and research in a group which leads to a life long learning.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	21	22
4- Mostly	32	33
5- Definitely	39	41
Total	96	100



CO6: To perceive project management principles during project work.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	22	23
4- Mostly	31	32
5- Definitely	39	41
Total	96	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

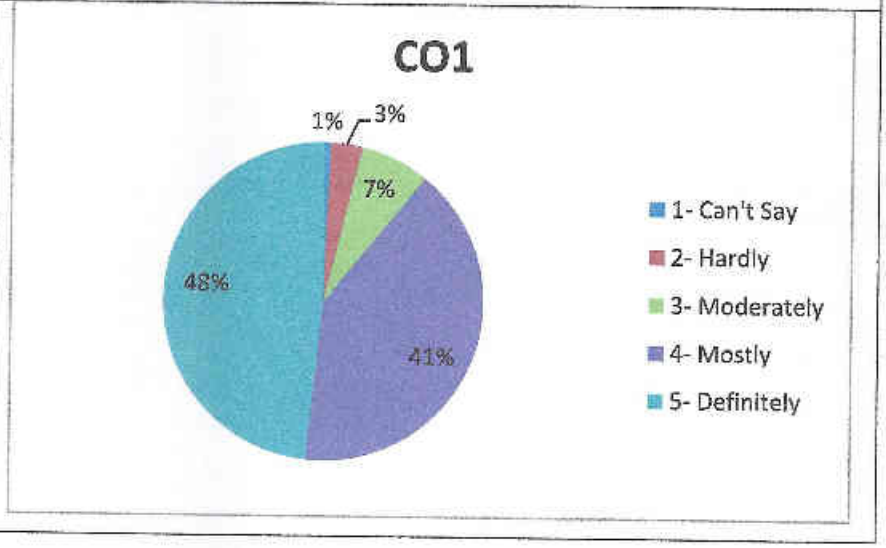
Course Exit Analysis Report (SEM IV)

Subject – Surveying – LAB

Subject Teacher - Prof. Tarannum Shiekh / Pramod Sutar / Kiran Phadtare / Anjali D'sa / Prof. Pallavi Tajane

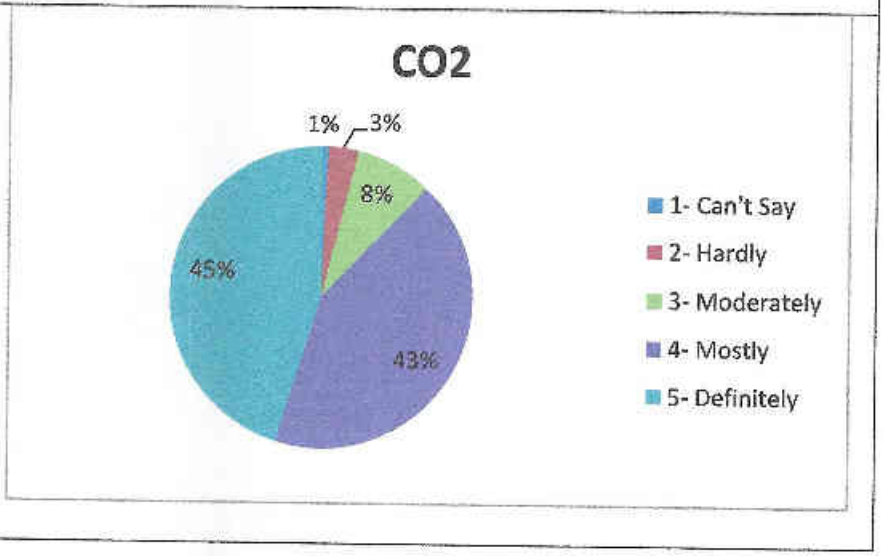
CO1: Use and operate the surveying instruments according to the accuracy and suitability.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	3
3- Moderately	11	7
4- Mostly	64	41
5- Definitely	76	48
Total	157	100



CO2: Calculate linear and angular dimensions in horizontal and vertical planes.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	3
3- Moderately	13	8
4- Mostly	67	43
5- Definitely	71	45
Total	157	100



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Academic Year: 2021-22 (Even)

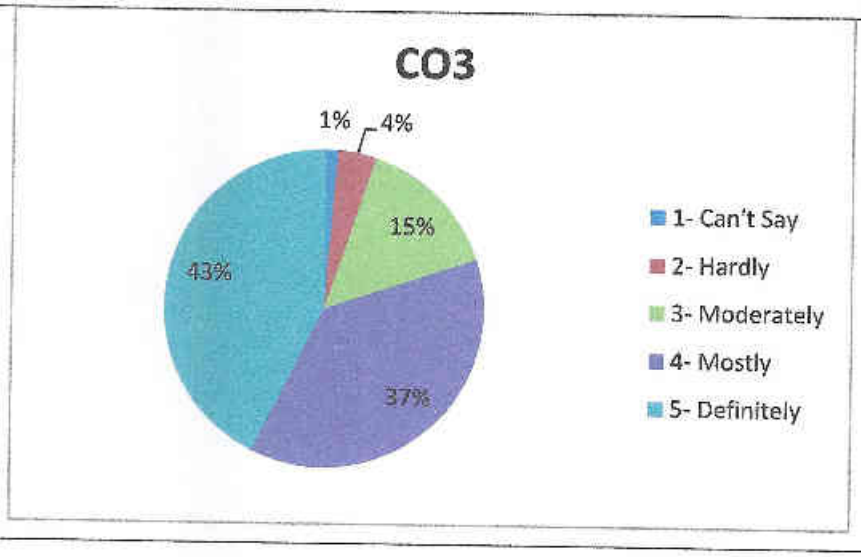
Course Exit Analysis Report (SEM IV)

Subject – Surveying

Subject Teacher - Prof. Tarannum Shiekh / Pramod Sutar / Kiran Phadtare / Anjali D'sa / Prof. Pallavi Tajane

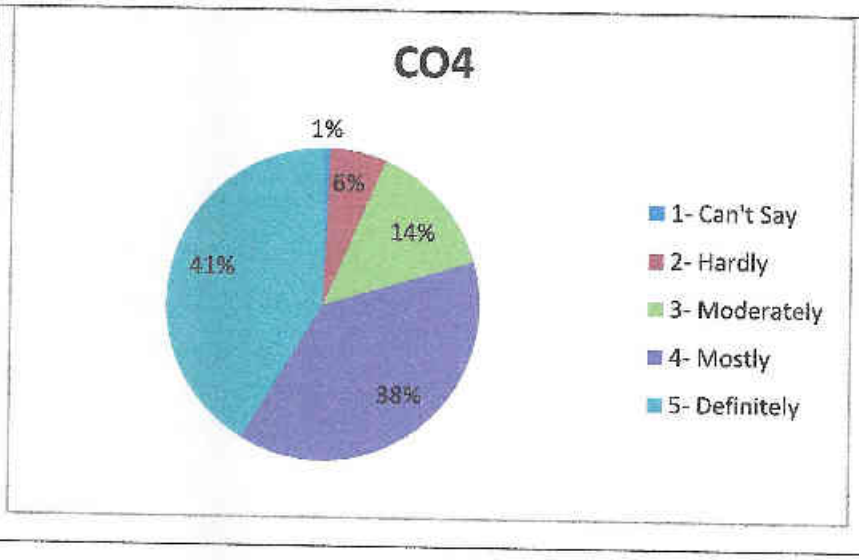
CO3: Analyse, collect and record the field data systematically.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	6	4
3- Moderately	23	15
4- Mostly	59	38
5- Definitely	67	43
Total	157	100



CO4: Develop plans of the existing features on the ground, sections and contours.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	9	6
3- Moderately	22	14
4- Mostly	60	38
5- Definitely	65	41
Total	157	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

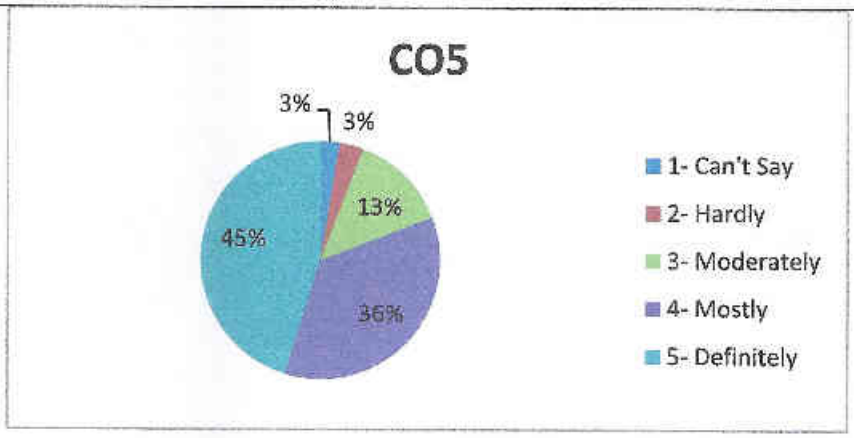
Course Exit Analysis Report (SEM IV)

Subject – Surveying

Subject Teacher - Prof. Tarannum Shiekh / Pramod Sutar / Kiran Phadtare / Anjali D'sa / Prof. Pallavi Tajane

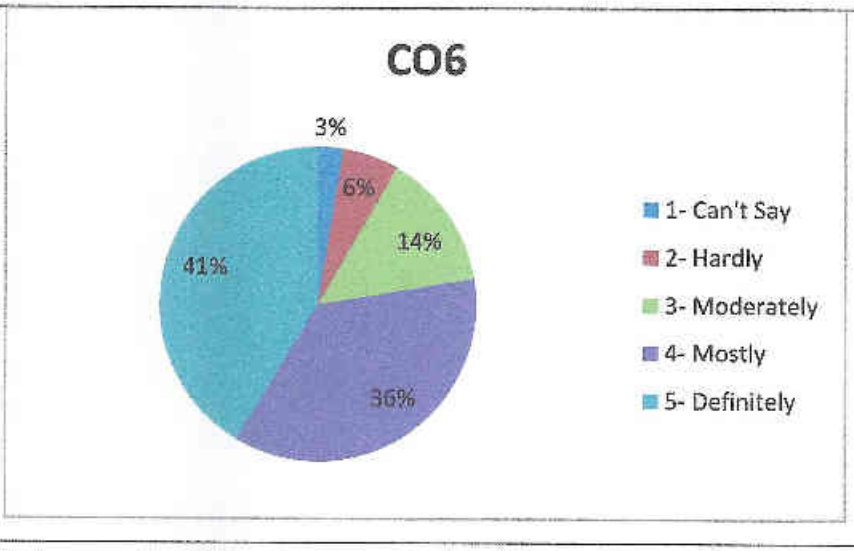
CO5: Determine of areas and volumes for solving surveying problems

Score	No. of students	Percentage (%)
1- Can't Say	4	3
2- Hardly	5	3
3- Moderately	21	13
4- Mostly	56	36
5- Definitely	71	45
Total	157	100



CO6: Design and set out of suitable horizontal and vertical curves.

Score	No. of students	Percentage (%)
1- Can't Say	4	3
2- Hardly	9	6
3- Moderately	22	14
4- Mostly	57	36
5- Definitely	65	41
Total	157	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

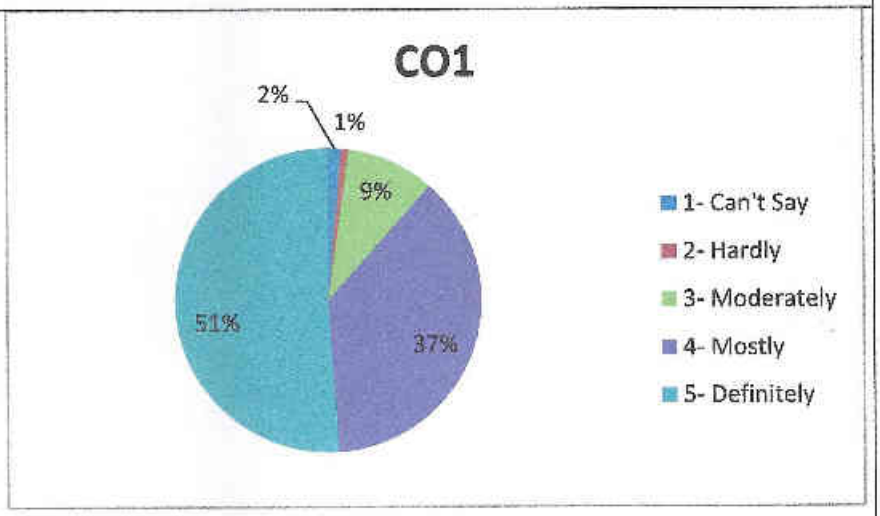
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology – LAB

Subject Teacher - Prof. PROF.SUJAYA WADEKAR/ Tarannum Shaikh / Prof. Deepali Phadatare

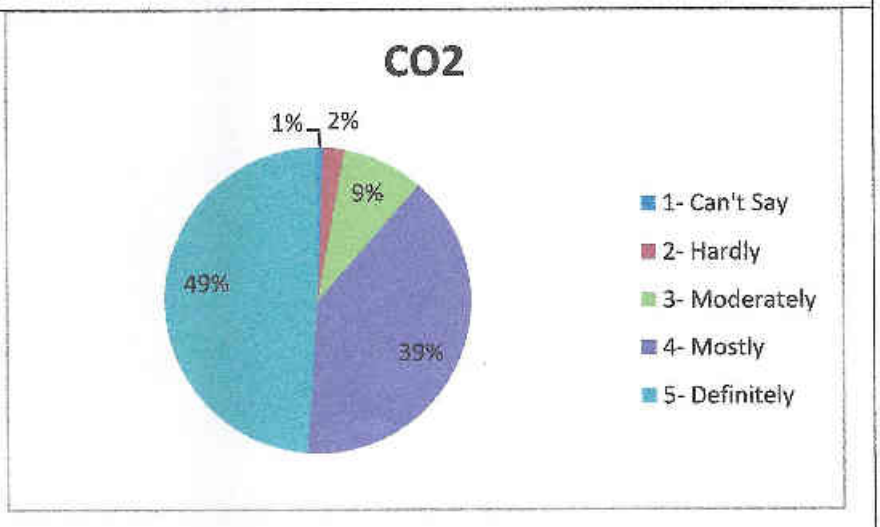
CO1: List and classify the building materials to be used for the construction work and their associated quality durability, economy, and their role in the construction

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	1	1
3- Moderately	13	9
4- Mostly	52	37
5- Definitely	71	51
Total	139	100



CO2: Explain the manufacturing process, properties and usage of different types of building materials to achieve good knowledge about the building materials.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	2
3- Moderately	12	9
4- Mostly	55	40
5- Definitely	68	49
Total	139	100



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Academic Year: 2021-22 (Even)

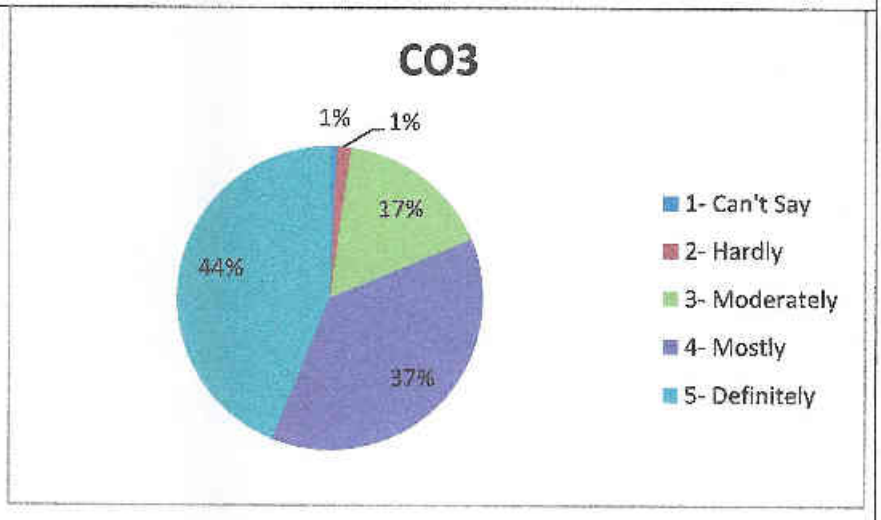
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology

Subject Teacher - Prof. PROF.SUJAYA WADEKAR/ Tarannum Shaikh / Prof. Deepali Phadatare

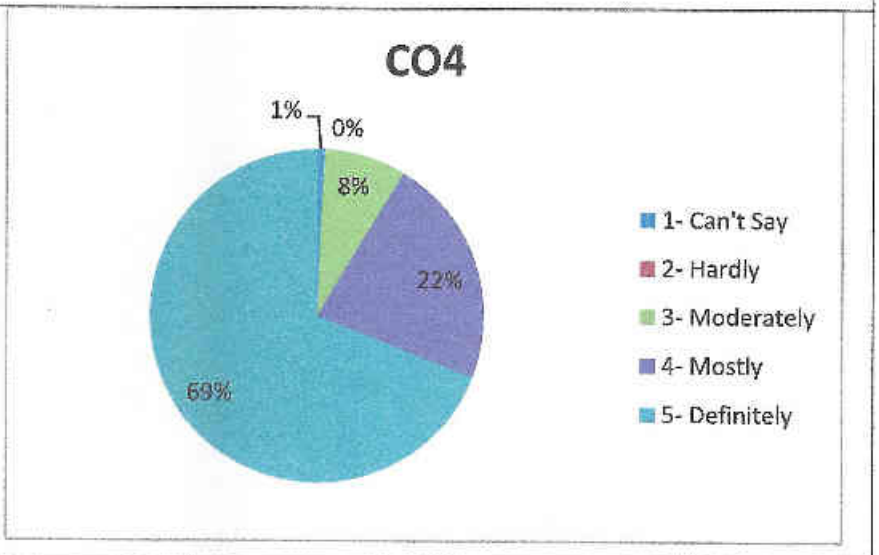
CO3: Assess the constituents of Concrete, explain their properties, classification and compatibility with concrete as per relevant IS codes

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	1
3- Moderately	23	17
4- Mostly	52	37
5- Definitely	61	44
Total	139	100



CO4: State and explain the properties ,tests ,factors affecting durability and make use of it for the manufacturing of concrete.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	0	0
3- Moderately	11	8
4- Mostly	31	22
5- Definitely	96	69
Total	139	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

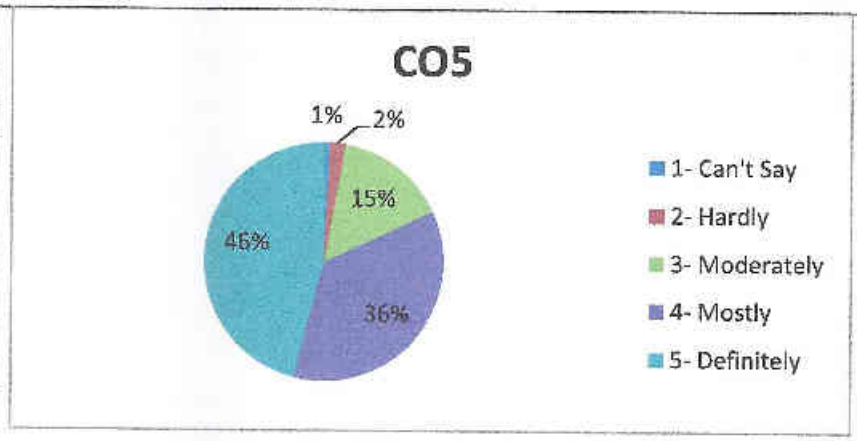
Course Exit Analysis Report (SEM IV)

Subject – Building Material & Concrete Technology

Subject Teacher - Prof. PROF.SUJAYA WADEKAR/ Tarannum Shaikh / Prof. Deepali Phadatare

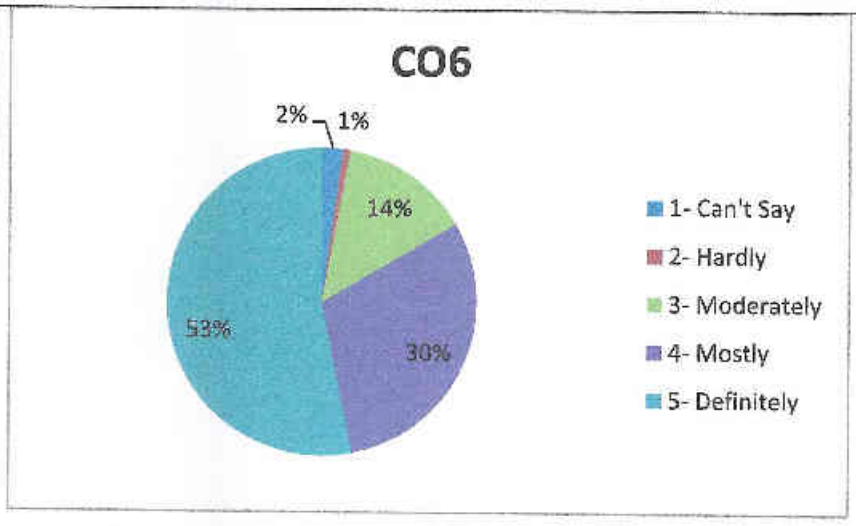
CO5: Design and interpret concrete mix for various grades for various exposure conditions.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	2
3- Moderately	21	15
4- Mostly	50	36
5- Definitely	64	46
Total	139	100



CO6: To enable the students to understand and enlist various components of the Ready Mix Concrete Plant and explain the basic non-destructive test on concrete.

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	1	1
3- Moderately	19	14
4- Mostly	42	30
5- Definitely	74	53
Total	139	100



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2021 - 2022(VI SEM)

Summary of feedback (Semester 6):

All students of Semester four had given feedbacks for all the subjects which were collected through course exit forms. Those feedbacks were analysed and necessary actions were planned for effective teaching. Some suggestions obtained from the students are as follows.

- Revision lectures and remedial classes for Structural Analysis II .
- Modern techniques and modern equipments used for field tests to know the soil properties should be included in the syllabus.
- Require more lectures of design of structural members using different mix
- There should be more practical and site visits.

Action Taken:

Based on student feedbacks, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Revision lectures and remedial classes for Structural Analysis II	Extra classes were taken for solving University question papers	As required
2	More visits to know about recent development in Civil engineering.	Site visits arranged for studying about various Treatment of waste water at Seawood	As required $15^{th}/16^{th}$ March, 2022
3.	Require more lectures of design of structural members using different mix	Arranged some remedial lectures for design of rcc members	As required

4	There should be more practical and site visits.	Arranged visits and performed various field tests. Visit to Jalvardhini Prathisthan sites at Karjat to understand Rainwater Management, harvesting and specializing in low cost storage tanks	As required 9/3/2022

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Department of Civil Engineering

Academic Year: 2021-22 (Even)

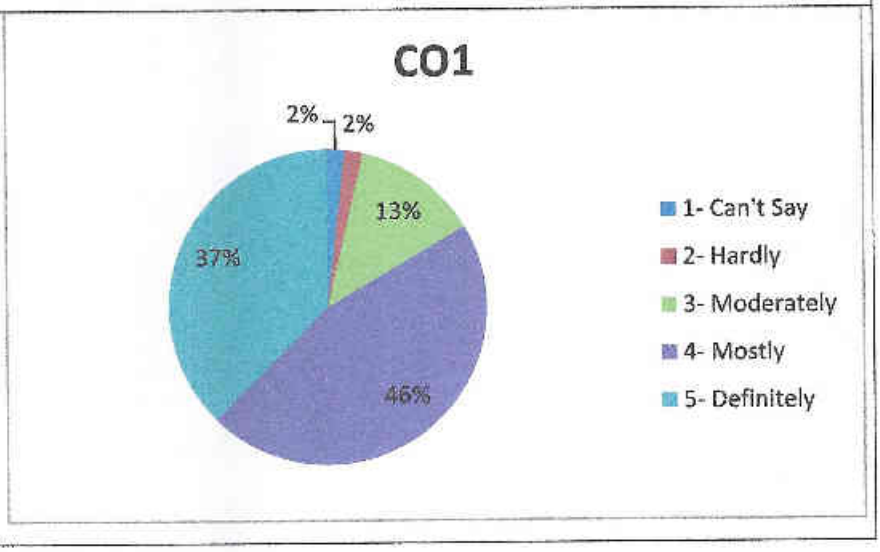
Course Exit Analysis Report (SEM VI)

Subject – Design and Drawing of Steel Structure

Subject Teacher - Prof. Ashwini Bhodkhe / Prof. D M Joshi / Prof. Nilima Shende

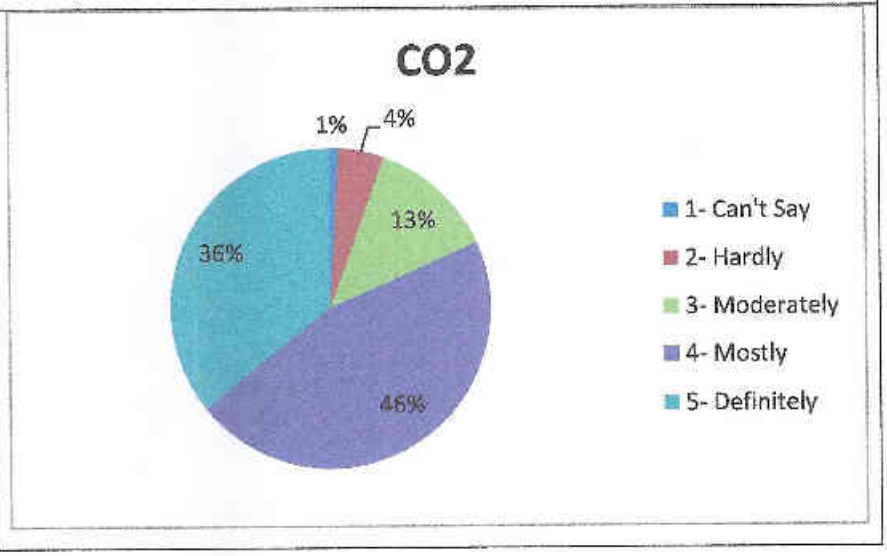
CO1: Understand usefulness of steel sections and able to use suitable philosophy for the design of steel structures.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	14	13
4- Mostly	50	46
5- Definitely	41	38
Total	109	100



CO2: Design and sketch the structural details of tension members for an industrial roof truss.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	5
3- Moderately	14	13
4- Mostly	50	46
5- Definitely	39	36
Total	109	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

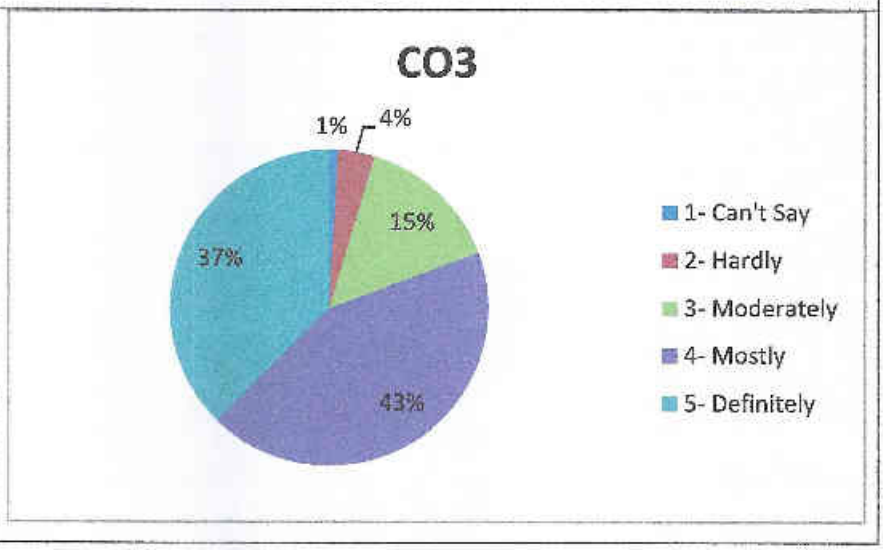
Course Exit Analysis Report (SEM VI)

Subject – Design and Drawing of Steel Structure

Subject Teacher - Prof. Ashwini Bhodkhe / Prof. D M Joshi / Prof. Nilima Shende

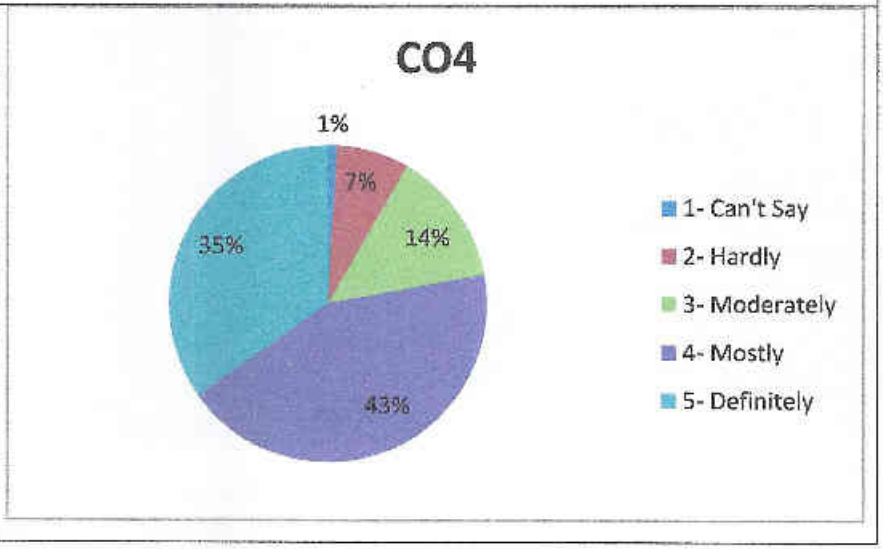
CO3: Design and sketch the structural details of compression member including the design of columns and column bases.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	4
3- Moderately	16	15
4- Mostly	47	43
5- Definitely	41	38
Total	109	100



CO4: Design laterally supported and unsupported beams and apply the concept in the design of welded plate girders.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	8	7
3- Moderately	15	14
4- Mostly	47	43
5- Definitely	38	35
Total	109	100



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Academic Year: 2021-22 (Even)

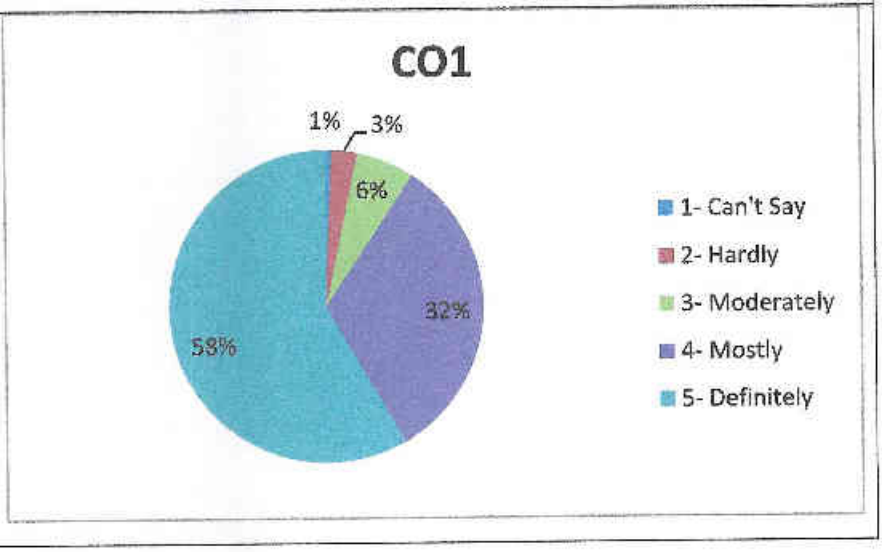
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering

Subject Teacher - Prof. Manisha Wankhede / Prof. Saumya Singh / Prof. Aniket Sharma

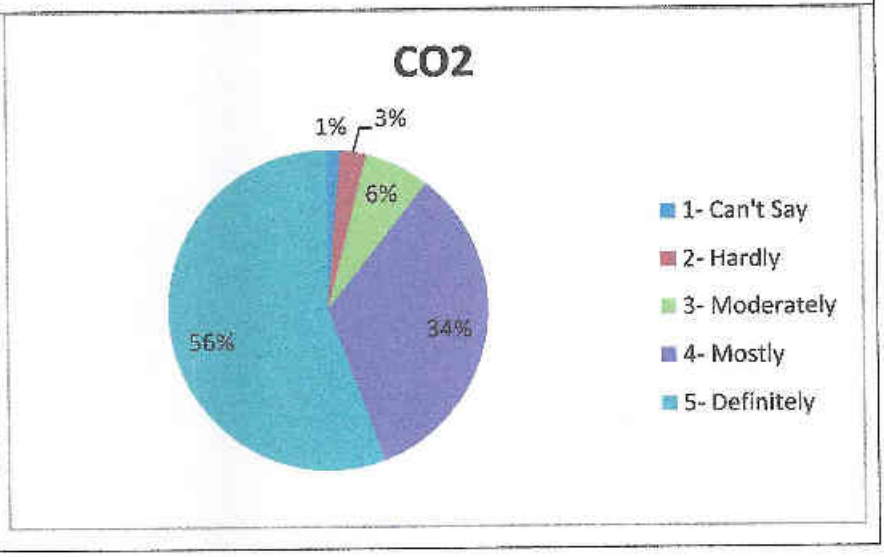
CO1: Analyse the quality of water and make outline of water Supply scheme.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	3
3- Moderately	9	6
4- Mostly	49	32
5- Definitely	88	58
Total	151	100



CO2: Design the various units of water treatment plant and apply the advanced, miscellaneous treatments whenever necessary.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	4	3
3- Moderately	10	7
4- Mostly	51	34
5- Definitely	84	56
Total	151	100



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Academic Year: 2021-22 (Even)

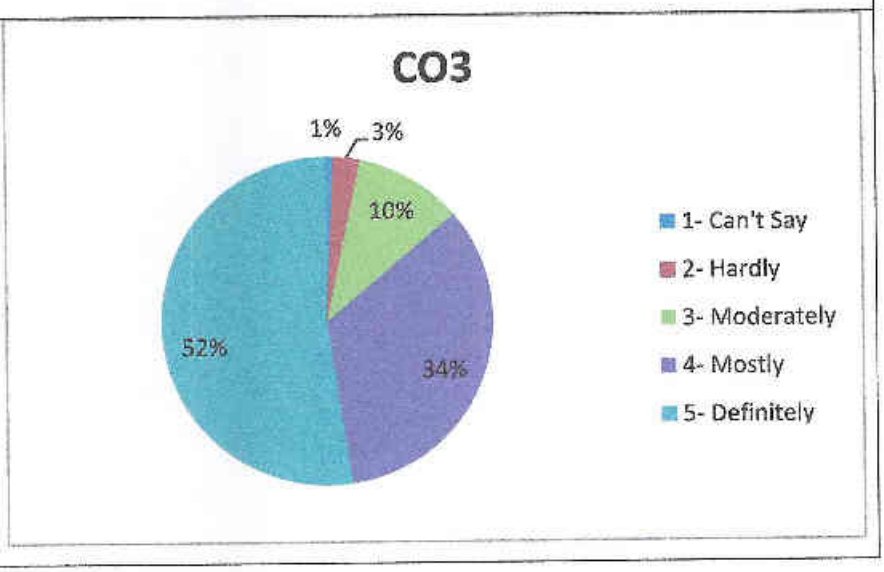
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering

Subject Teacher - Prof. Manisha Wankhede / Prof. Saumya Singh / Prof. Aniket Sharma

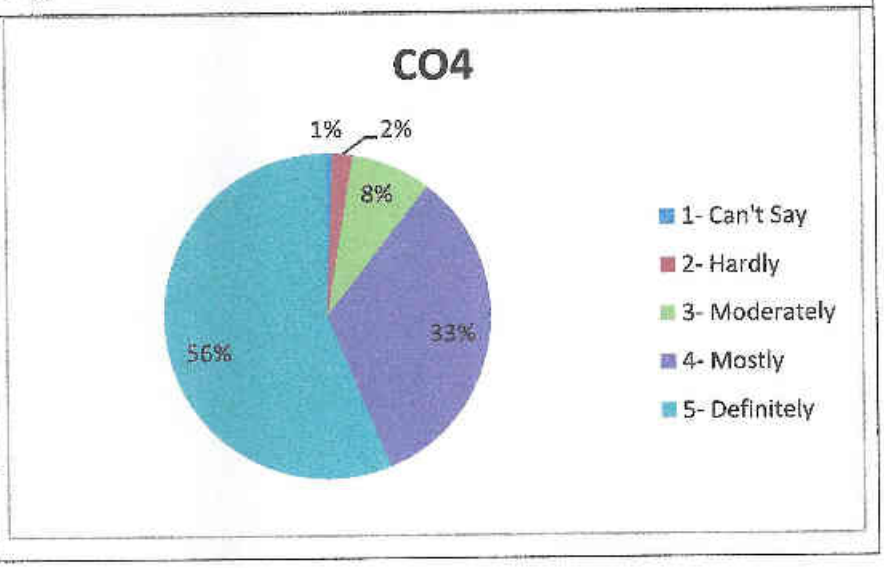
CO3: Build service connection of water supply from main and building drainage system at construction site along with rain water harvesting layout.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	3
3- Moderately	16	11
4- Mostly	51	34
5- Definitely	79	52
Total	151	100



CO4: Analyse and plan sewerage system along with test for sewer line.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	2
3- Moderately	12	8
4- Mostly	50	33
5- Definitely	85	56
Total	151	100



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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

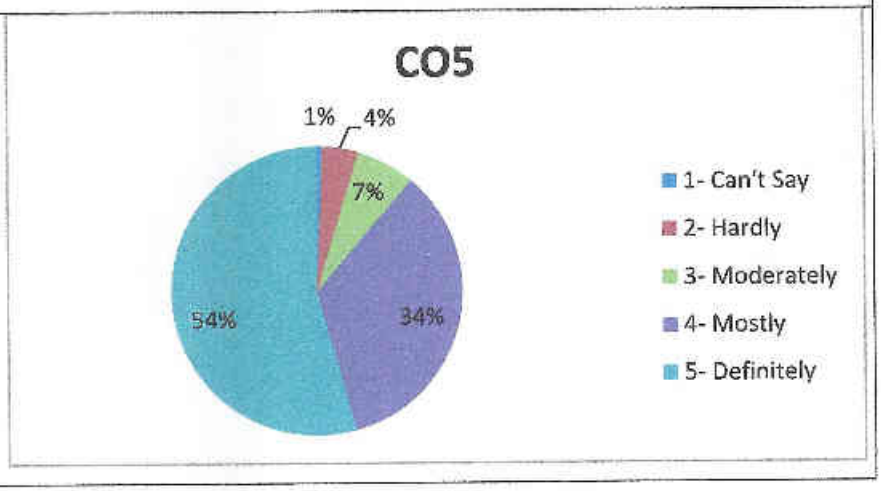
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering

Subject Teacher - Prof. Manisha Wankhede / Prof. Saumya Singh / Prof. Aniket Sharma

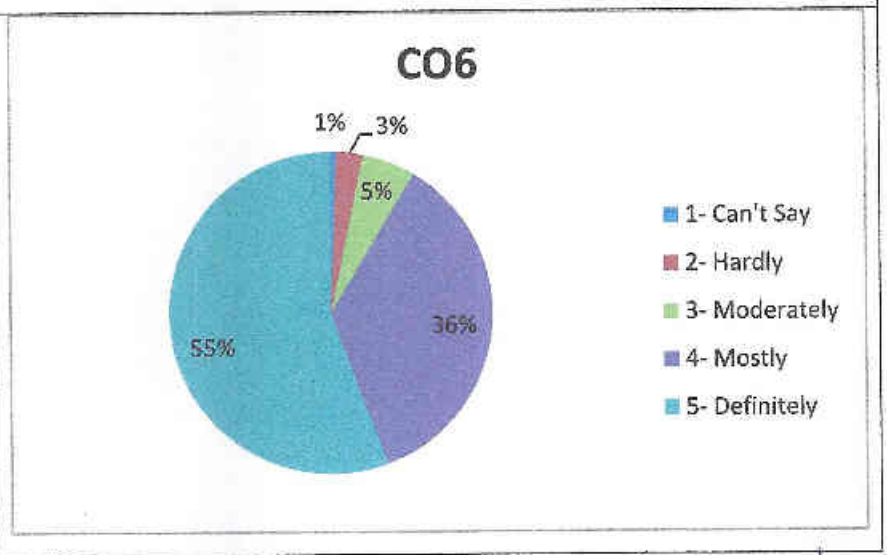
CO5: Design the units of sewage treatment plant and apply the knowledge of low-cost treatment and stream sanitation.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	6	4
3- Moderately	10	7
4- Mostly	52	34
5- Definitely	82	54
Total	151	100



CO6: Understand air pollution, noise pollution and functional elements of solid waste management.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	3
3- Moderately	8	5
4- Mostly	54	36
5- Definitely	84	56
Total	151	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

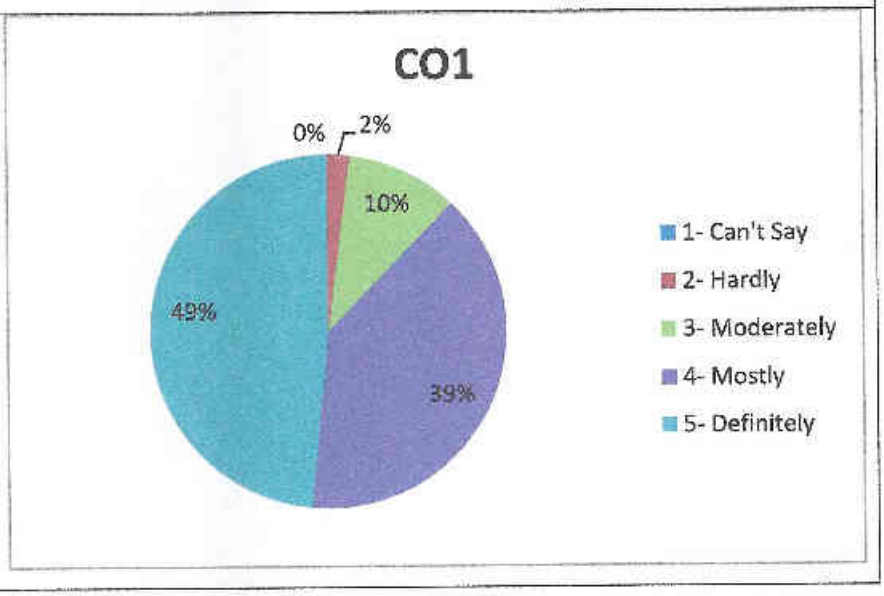
Course Exit Analysis Report (SEM VI)

Subject – Geotechnical Engineering - II

Subject Teacher - Prof.Yughandhar Kasture / Prof. Manoj Pillai / Prof. Sanjay Singh

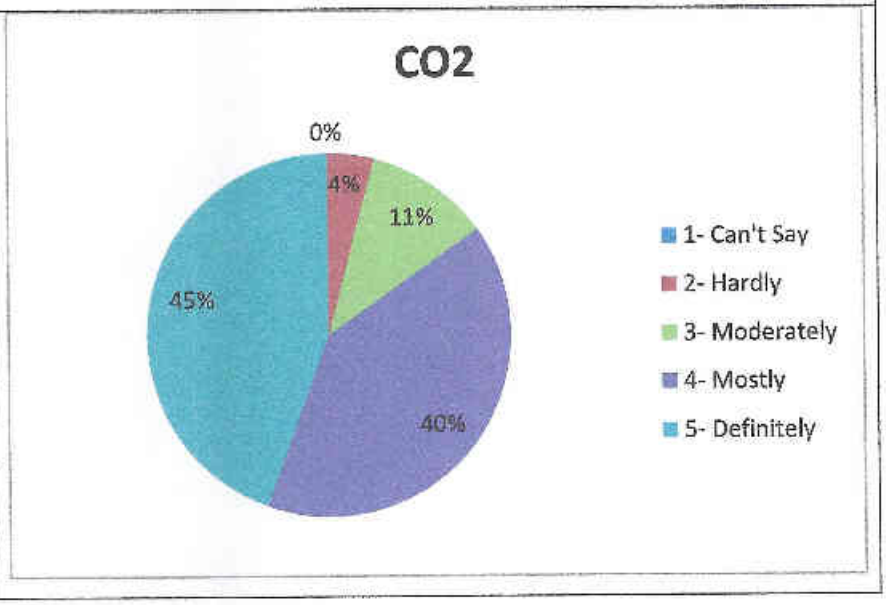
CO1: Appraise the consolidation parameters for the soil

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	2
3- Moderately	20	10
4- Mostly	77	39
5- Definitely	95	48
Total	196	100



CO2: Interpret the shear strength parameters for the soil

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	8	4
3- Moderately	22	11
4- Mostly	79	40
5- Definitely	87	44
Total	196	100



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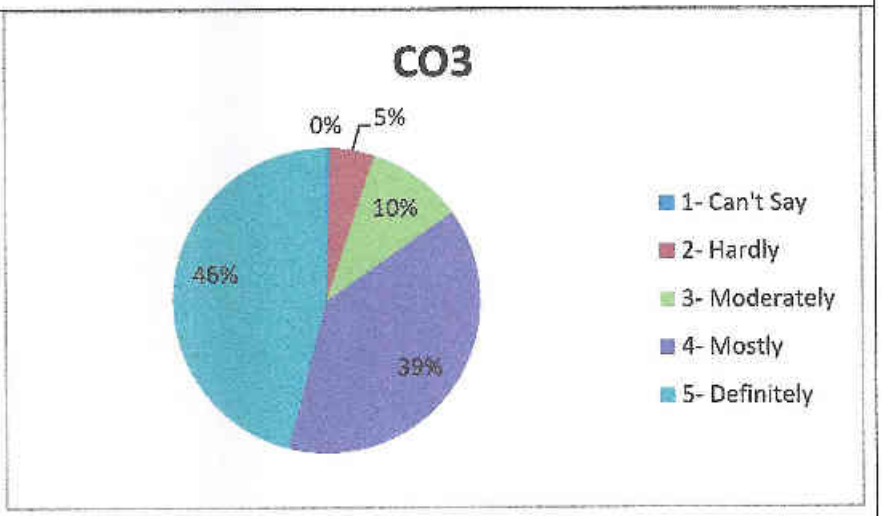
Course Exit Analysis Report (SEM VI)

Subject – Geotechnical Engineering - II

Subject Teacher - Prof.Yughandhar Kasture / Prof. Manoj Pillai / Prof. Sanjay Singh

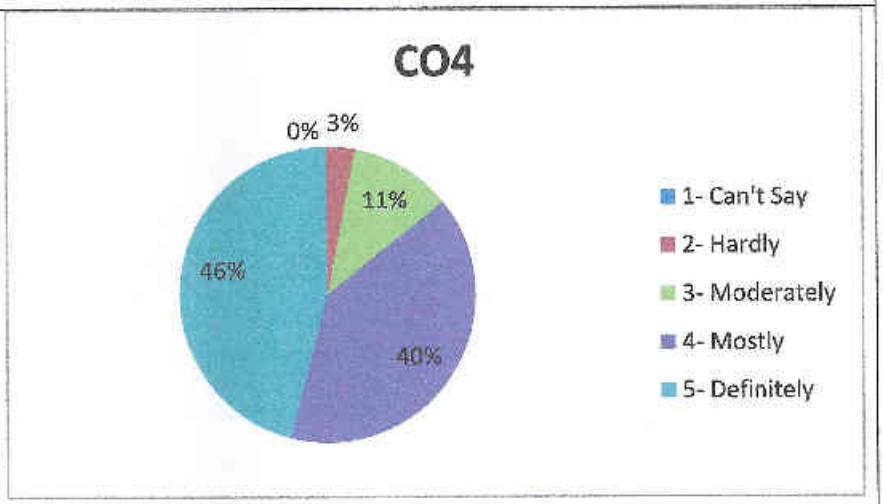
CO3: Estimate the factors of safety of different types of slopes under various soil conditions and infer the stability of slopes, retaining walls & lateral earth pressures.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	9	5
3- Moderately	20	10
4- Mostly	76	39
5- Definitely	90	46
Total	196	100



CO4: Calculate the lateral earth pressure using Rankine , coulombs and graphical method

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	6	3
3- Moderately	22	11
4- Mostly	78	40
5- Definitely	90	46
Total	196	100



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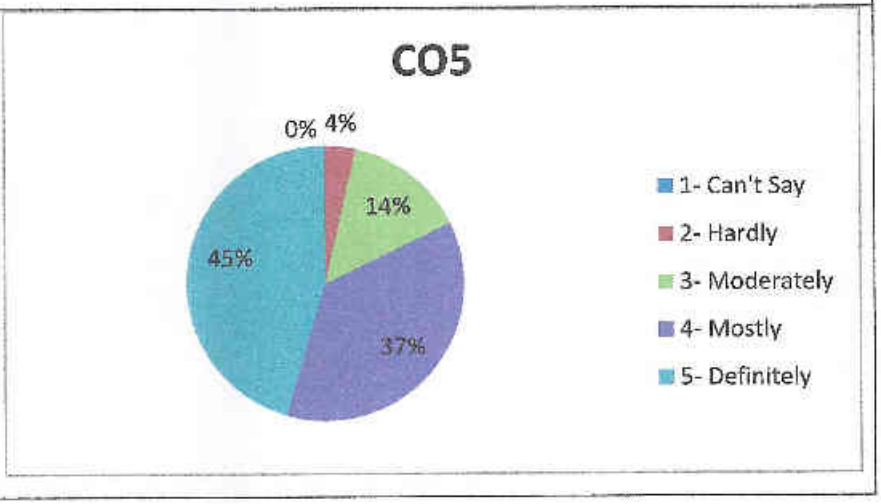
Course Exit Analysis Report (SEM VI)

Subject – Geotechnical Engineering - II

Subject Teacher - Prof.Yughandhar Kasture / Prof. Manoj Pillai / Prof. Sanjay Singh

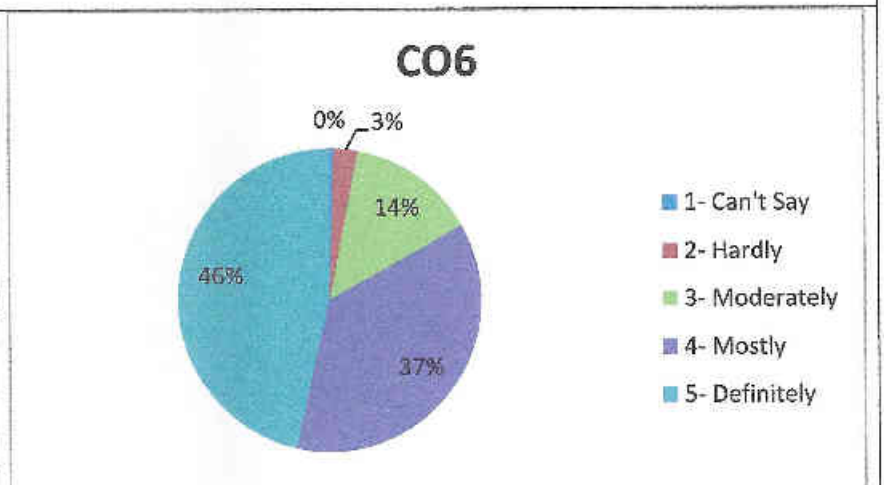
CO5: Evaluate the bearing capacity of shallow foundation using theoretical, field methods, Vesic methods and IS code method.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	7	4
3- Moderately	28	14
4- Mostly	72	37
5- Definitely	89	45
Total	196	100



CO6: Determine the load bearing capacity of individual as well as group of pile foundations and their settlement using theoretical and field Method.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	3
3- Moderately	27	14
4- Mostly	72	37
5- Definitely	91	46
Total	196	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

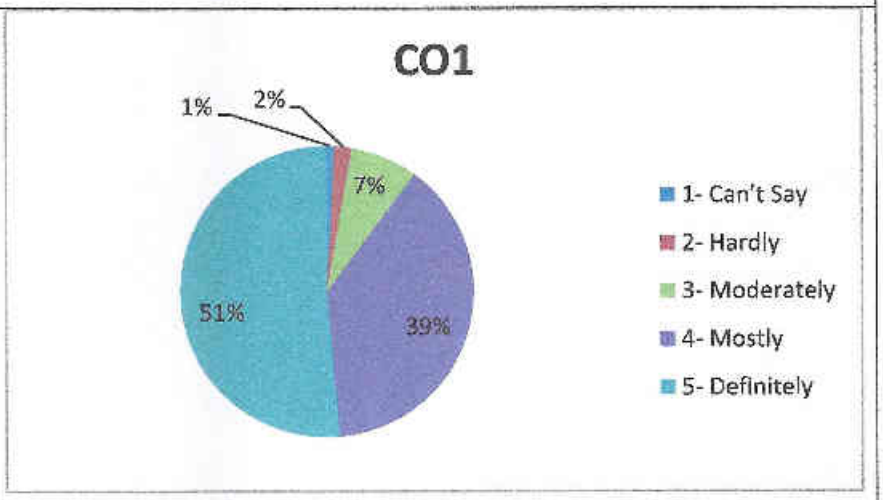
Course Exit Analysis Report (SEM VI)

Subject – Construction Equipment And Techniques

Subject Teacher - Prof. Chaitali Isal / Prof. Deepali Phadatare

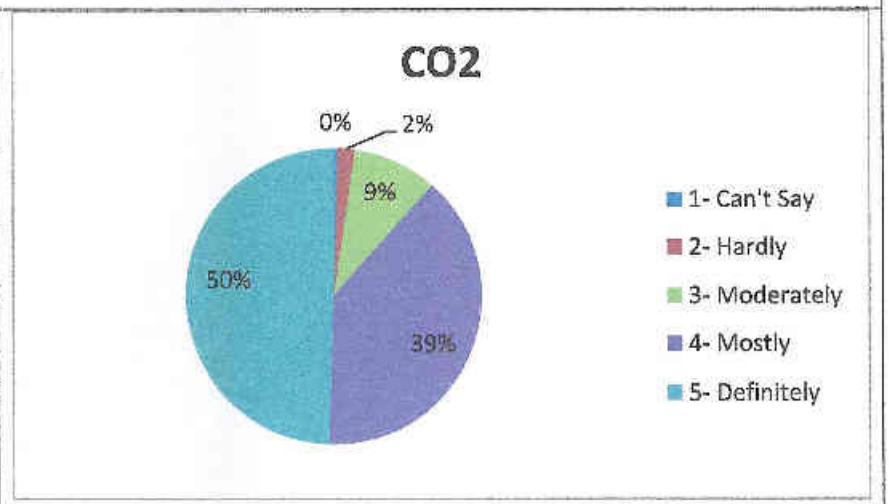
CO1: Select appropriate equipment and techniques in construction for large and heavy engineering projects on the basis of suitability, availability, productivity, output, initial and operation cost, savings in time and other

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	4	2
3- Moderately	16	7
4- Mostly	83	38
5- Definitely	111	51
Total	216	100



CO2: Elaborate the various advanced equipment used for underground as well as underwater tunneling.

Score	No. of students	Percentage (%)
1- Can't Say	1	0
2- Hardly	4	2
3- Moderately	20	9
4- Mostly	84	39
5- Definitely	107	50
Total	216	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

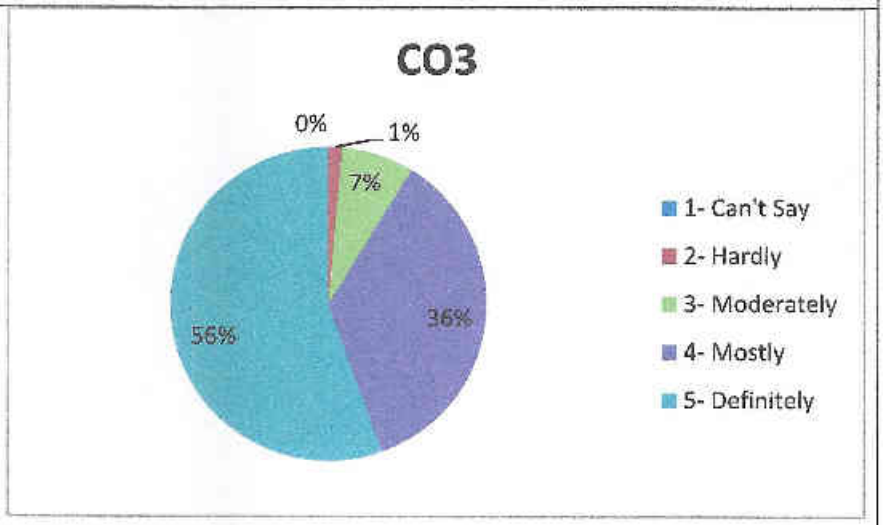
Course Exit Analysis Report (SEM VI)

Subject – Construction Equipment And Techniques

Subject Teacher - Prof. Chaitali Isal / Prof. Deepali Phadatare

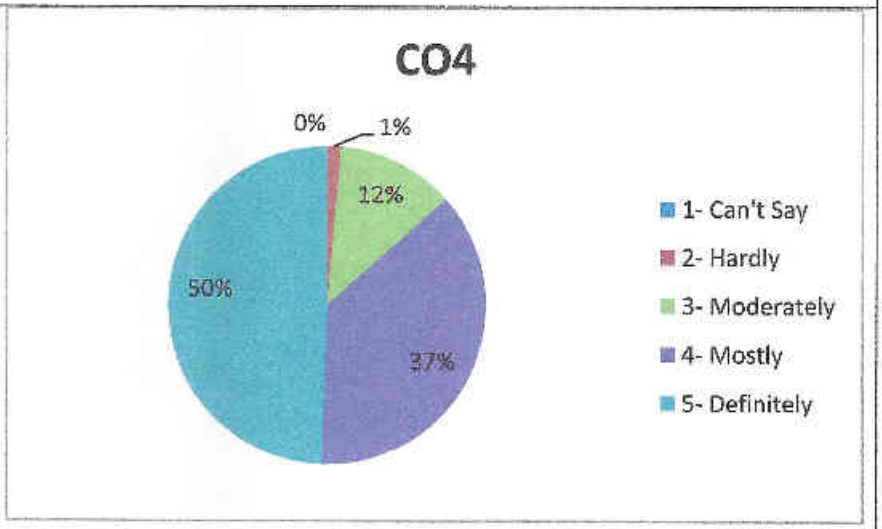
CO3: Discuss the utility of modern formworks systems over conventional systems.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	1
3- Moderately	16	7
4- Mostly	77	36
5- Definitely	120	56
Total	216	100



CO4: Identify the techniques involved and the equipment's required thereof for laying of utility lines, bridge construction and installation of structural steel members

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	1
3- Moderately	26	12
4- Mostly	80	37
5- Definitely	107	50
Total	216	100



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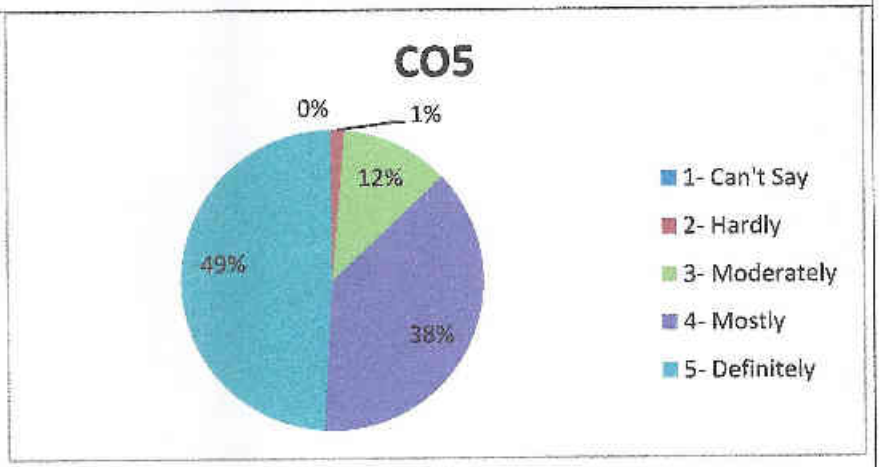
Course Exit Analysis Report (SEM VI)

Subject – Construction Equipment And Techniques

Subject Teacher - Prof. Chaitali Isal / Prof. Deepali Phadatare

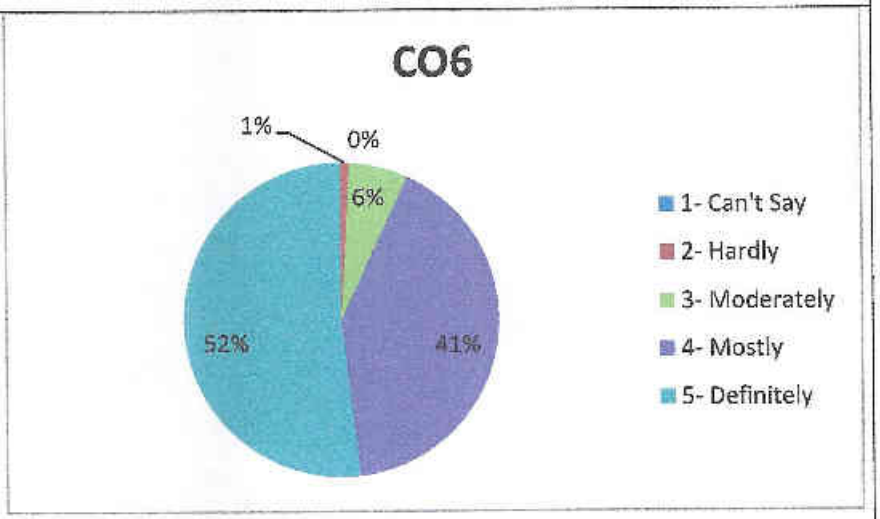
CO5: Determine the setting-up of different kinds of the power generating structures.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	1
3- Moderately	25	12
4- Mostly	82	38
5- Definitely	106	49
Total	216	100



CO6: Discuss the equipment's / techniques for construction of transporting facilities

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	2	1
3- Moderately	13	6
4- Mostly	89	41
5- Definitely	112	52
Total	216	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

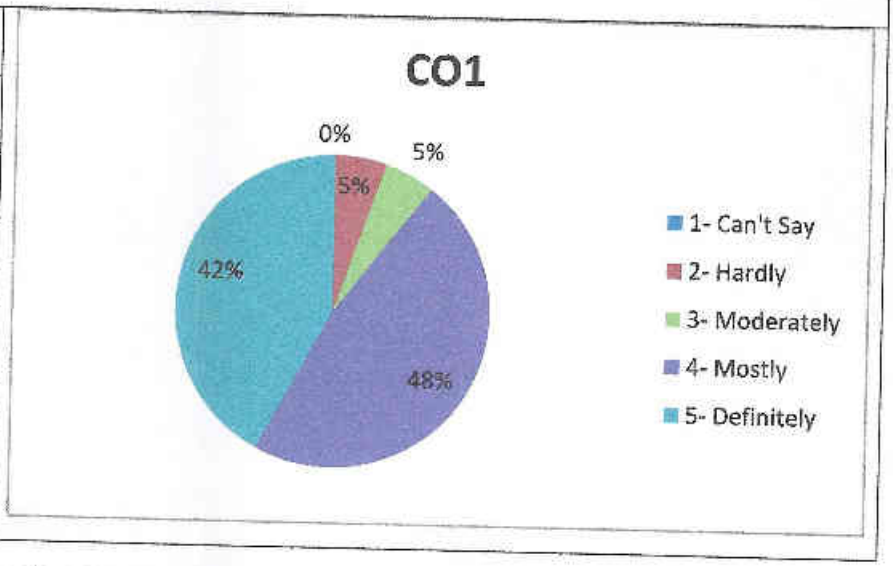
Course Exit Analysis Report (SEM VI)

Subject – IOE

Subject Teacher - Prof. Nagma Alam

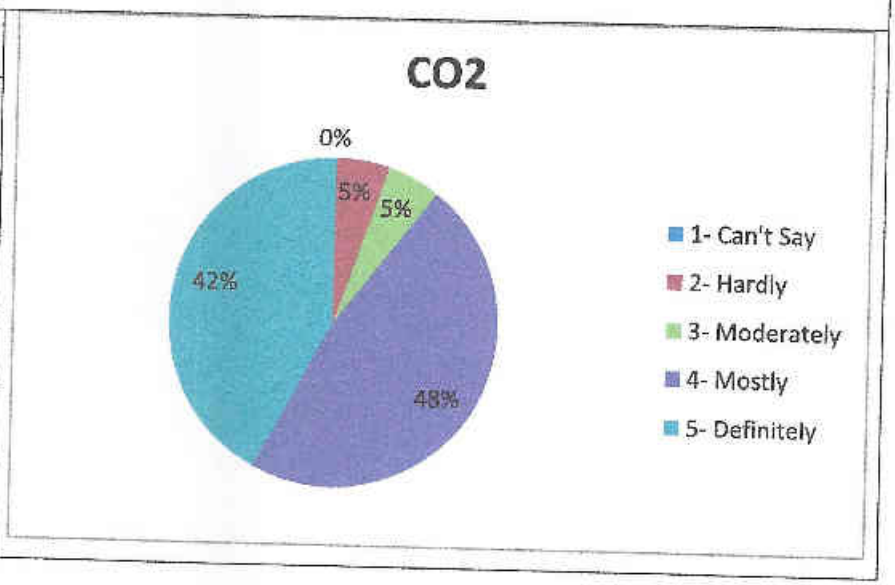
CO1: Recall the use and application of various conventional construction equipment's in different construction projects

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	5
3- Moderately	1	5
4- Mostly	9	47
5- Definitely	8	42
Total	19	100



CO2: Understand advance methods and special equipment used for under-ground as well as under water tunneling

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	5
3- Moderately	1	5
4- Mostly	9	47
5- Definitely	8	42
Total	19	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

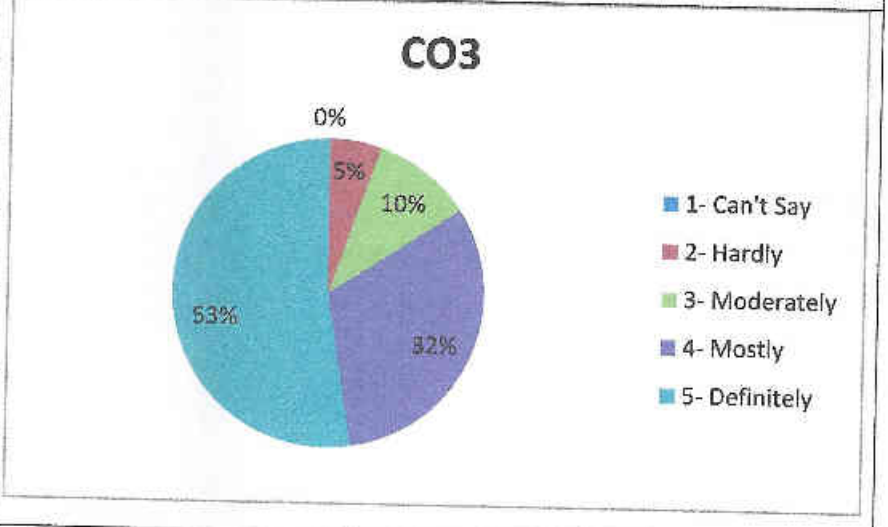
Course Exit Analysis Report (SEM VI)

Subject – IOE

Subject Teacher - Prof. Nagma Alam

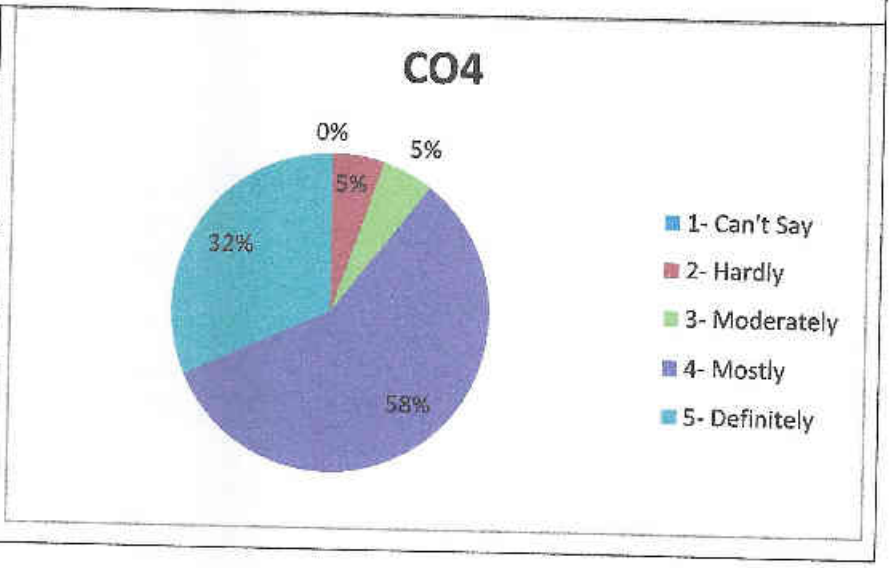
CO3: Compare the conventional and modern methods of form work on the basis of productivity, reuse value, ease of erection and dismantling, flexibility offered and overall cost.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	5
3- Moderately	2	11
4- Mostly	6	32
5- Definitely	10	53
Total	19	100



CO4: Identify different methods/equipment of construction for road/flyovers/bridge projects and systems for locating under-ground utilities

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	5
3- Moderately	1	5
4- Mostly	11	58
5- Definitely	6	32
Total	19	100



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Academic Year: 2021-22 (Even)

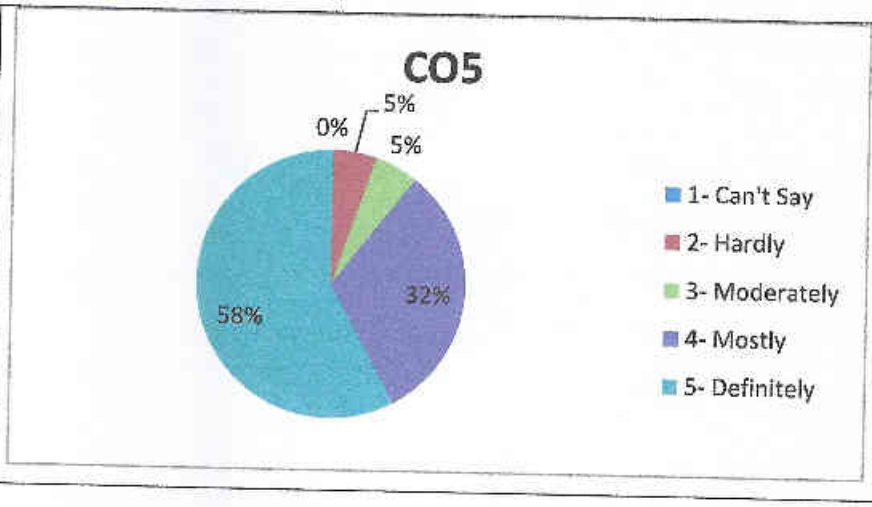
Course Exit Analysis Report (SEM VI)

Subject – IOE

Subject Teacher - Prof. Nagma Alam

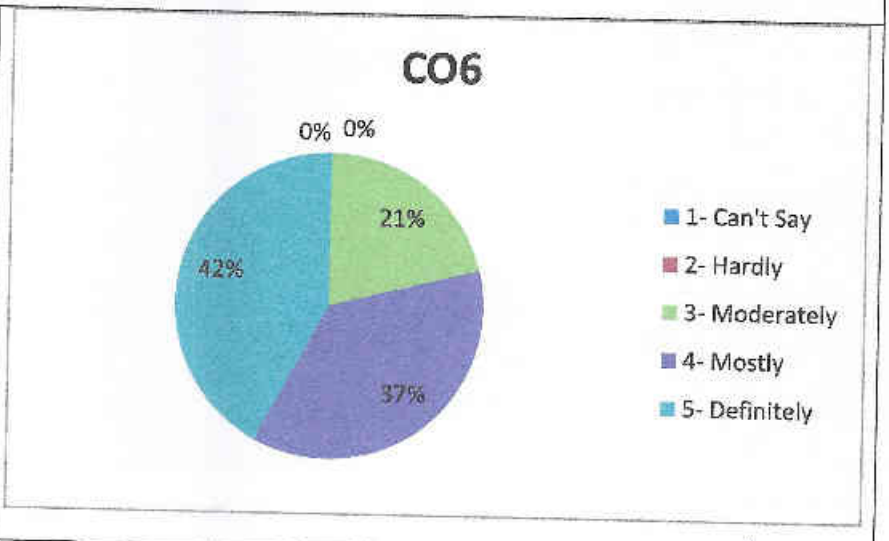
CO5: Perceive knowledge about the setting up of different kinds of the power generating structures

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	5
3- Moderately	1	5
4- Mostly	6	32
5- Definitely	11	58
Total	19	100



CO6: Understand the techniques involved and the equipment required thereof for construction of various transporting facilities. Choose proper equipment for construction of transporting facilities based on function.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	0	0
3- Moderately	4	21
4- Mostly	7	37
5- Definitely	8	42
Total	19	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

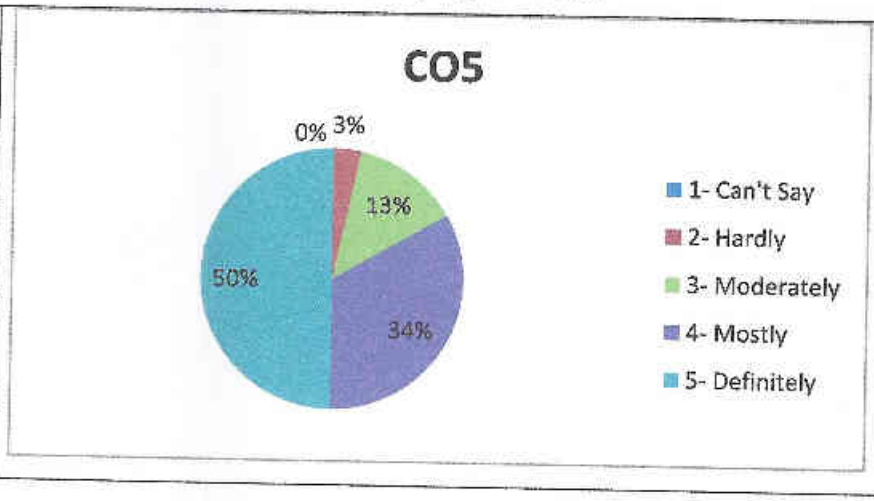
Course Exit Analysis Report (SEM VI)

Subject – Geotechnical Engineering - II_Lab

Subject Teacher - Prof.Yughandhar Kasture /Prof Chaitali Isal / Prof. Sanjay Singh, Prof. Armaan Ansari & Prof. Aniket Sharma

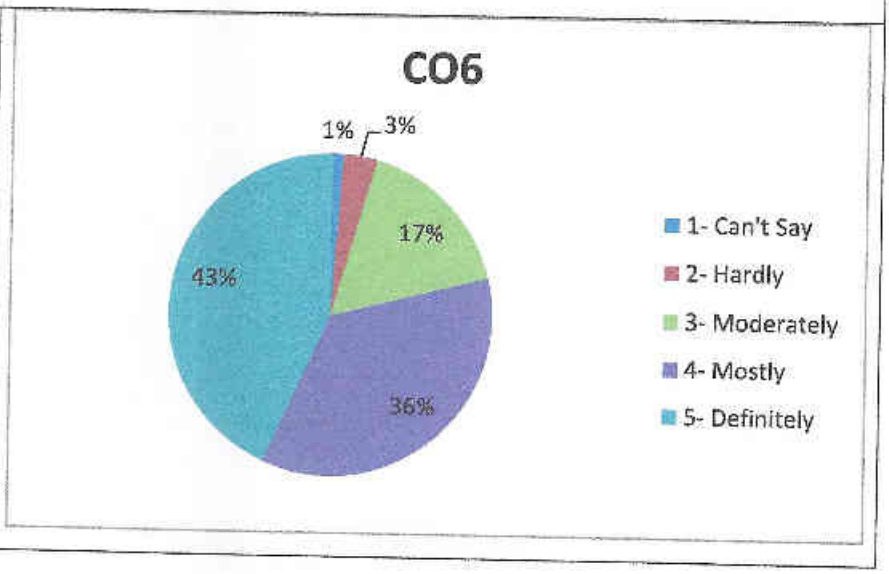
CO5: Formulate the concept of stress distribution in soils due to vertically applied load.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	3
3- Moderately	12	13
4- Mostly	30	33
5- Definitely	45	50
Total	90	100



CO6: Solve design problems using geotechnical software.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	3
3- Moderately	15	17
4- Mostly	32	36
5- Definitely	39	43
Total	90	100



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Academic Year: 2021-22 (Even)

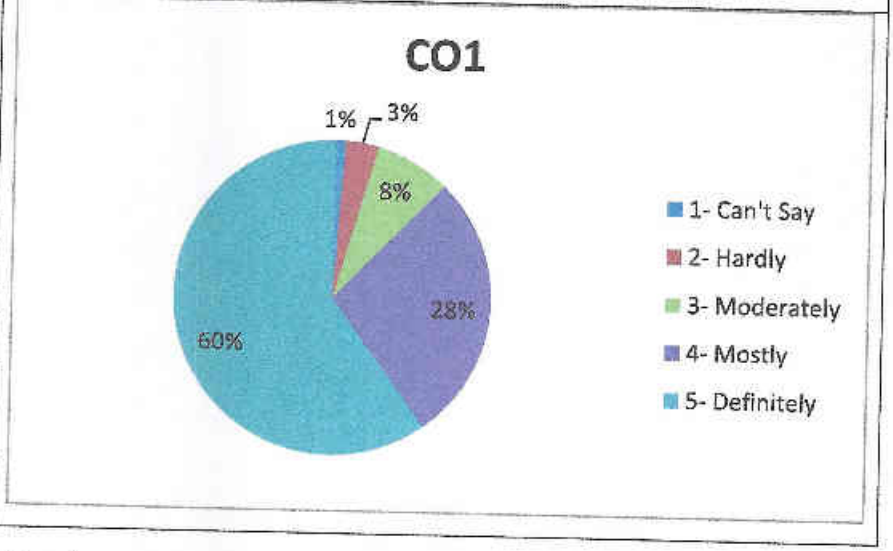
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering_LAB

Subject Teacher - Prof. Manisha Wankhede / Saumya Singh / Chaitali Isal / Prof. Pallavi Tajane, Prof. Armaan Ansari & Prof. Aniket Sharma

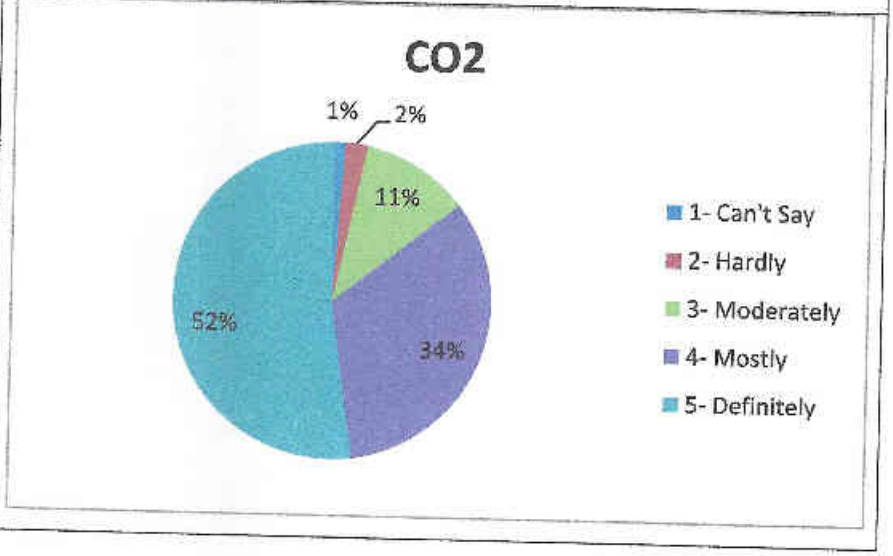
CO1: Impart the knowledge on quality or characteristic of water and wastewater sample.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	3
3- Moderately	7	8
4- Mostly	25	28
5- Definitely	54	60
Total	90	100



CO2: Interpret the required treatment for water and wastewater based on standards and norms

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	2
3- Moderately	10	11
4- Mostly	30	33
5- Definitely	47	52
Total	90	100



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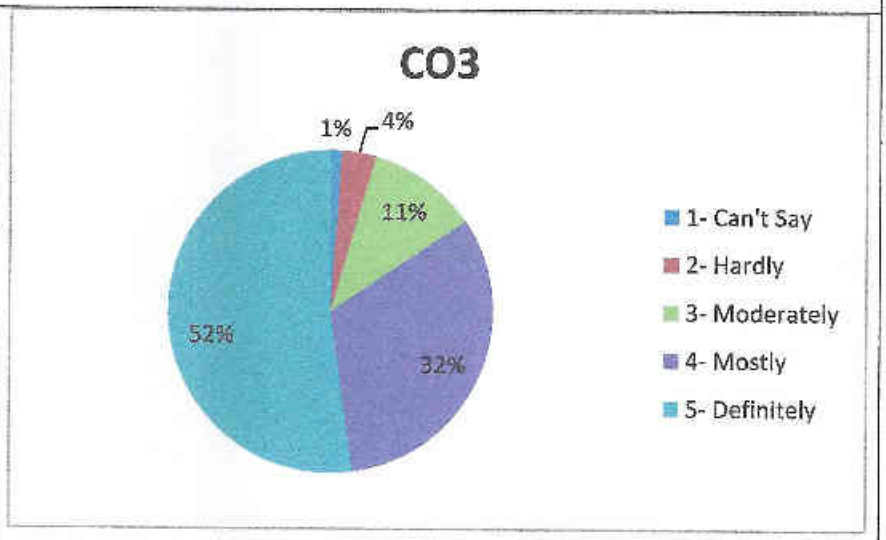
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering_LAB

Subject Teacher - Prof. Manisha Wankhede / Saumya Singh / Chaitali Isal / Prof. Pallavi Tajane, Prof. Armaan Ansari & Prof. Aniket Sharma

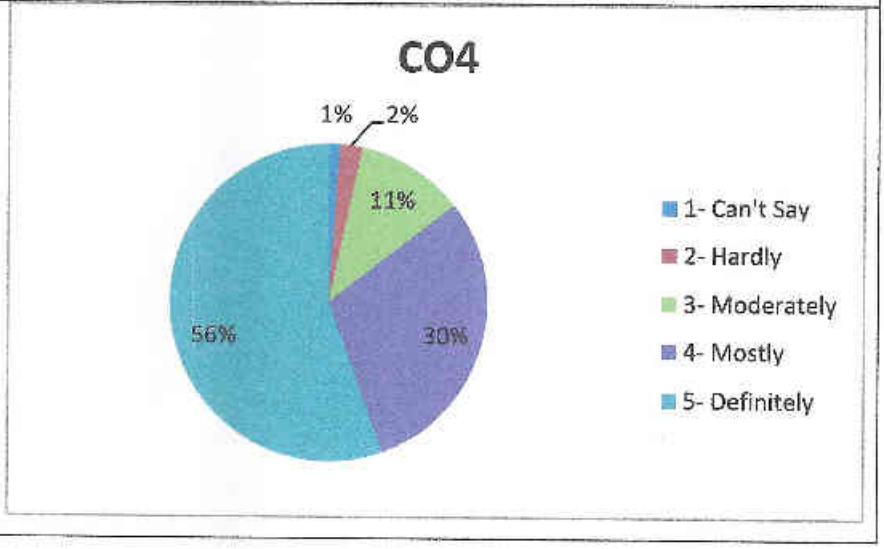
CO3: Identify the required treatment for water water based on the sewage disposal standards and norms

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	3
3- Moderately	10	11
4- Mostly	29	32
5- Definitely	47	52
Total	90	100



CO4: Impart the knowledge on quality of solid waste

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	2
3- Moderately	10	11
4- Mostly	27	30
5- Definitely	50	56
Total	90	100



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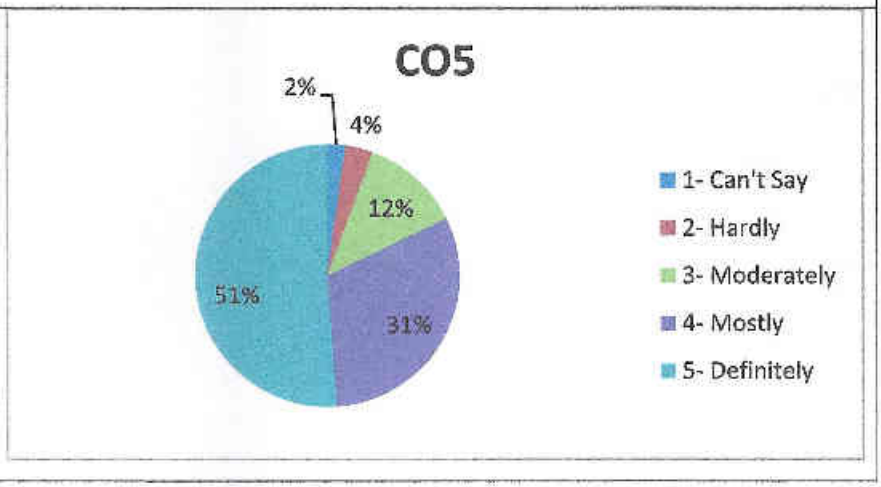
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering_LAB

Subject Teacher - Prof. Manisha Wankhede / Saumya Singh / Chaitali Isal / Prof. Pallavi Tajane, Prof. Armaan Ansari & Prof. Aniket Sharma

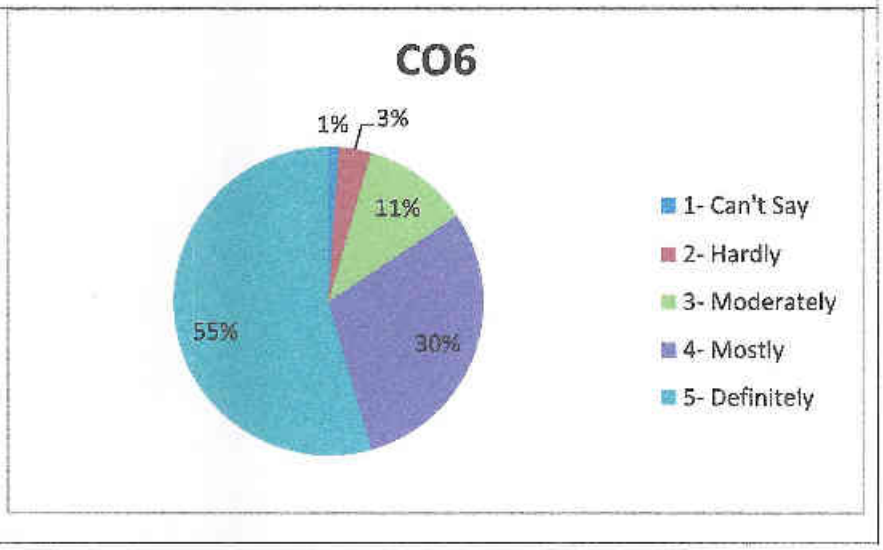
CO5: Measure the concentration of particulate matters, dust and dispersed pollutants in air

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	3	3
3- Moderately	11	12
4- Mostly	28	31
5- Definitely	46	51
Total	90	100



CO6: Inspect the levels of noise and interpret the results

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	3
3- Moderately	10	11
4- Mostly	27	30
5- Definitely	49	54
Total	90	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

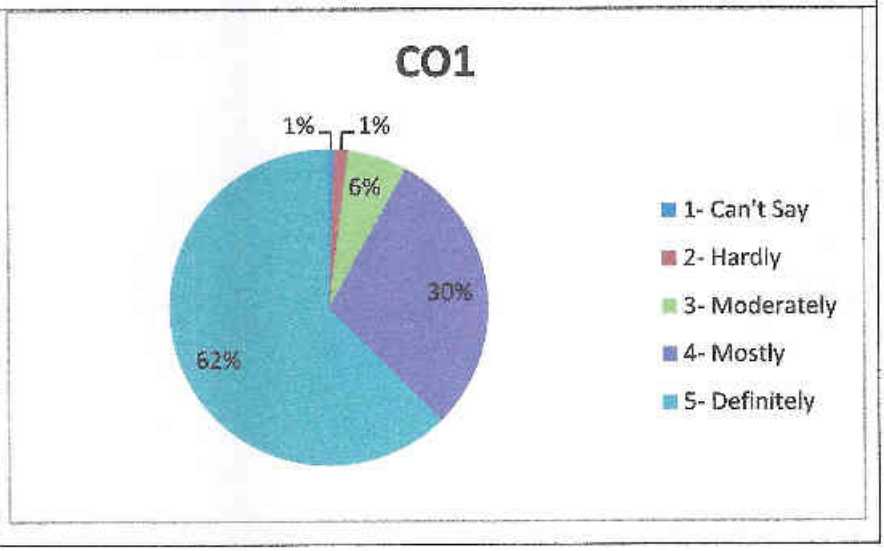
Course Exit Analysis Report (SEM VI)

Subject – SBLC-III

Subject Teacher - Prof. Manoj Pillai /Prof. Ashwini Bhodkhe / Prof. Nagma Alam

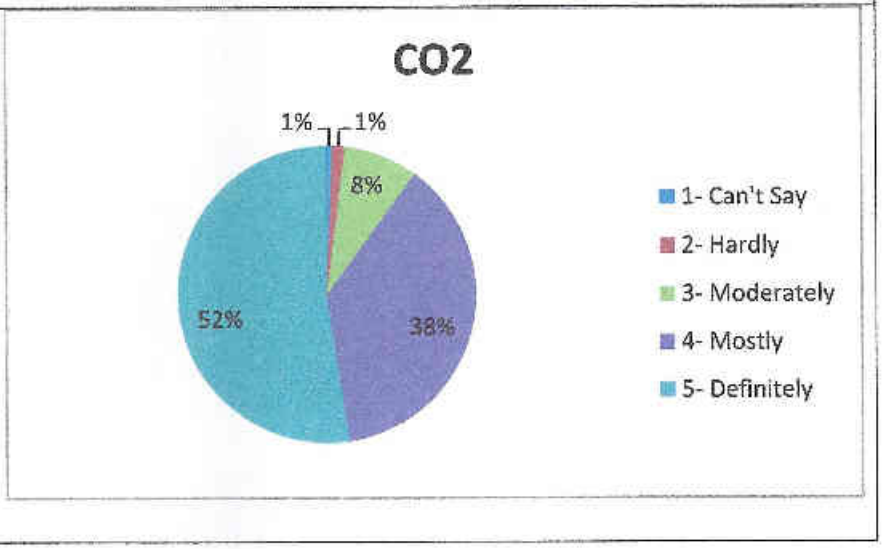
CO1: Explain the importance, needs, advantages and limitations of software.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	1
3- Moderately	9	6
4- Mostly	44	30
5- Definitely	93	62
Total	149	100



CO2: Classify different types of software available in Civil Engineering.

Score	No. of students	Percentage (%)
- Can't Say	1	1
2- Hardly	2	1
3- Moderately	12	8
4- Mostly	56	38
5- Definitely	78	52
Total	149	100



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SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

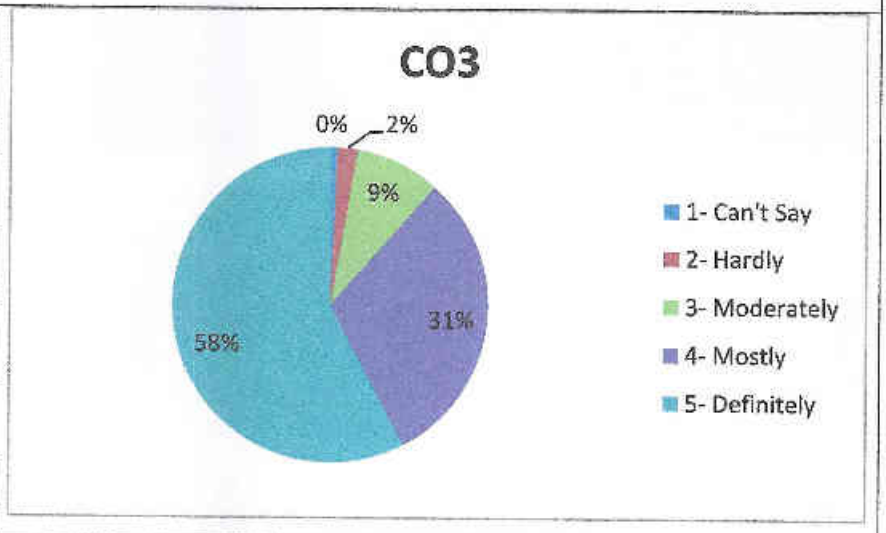
Course Exit Analysis Report (SEM VI)

Subject – SBLC-III

Subject Teacher - Prof. Manoj Pillai /Prof. Ashwini Bhodkhe / Prof. Nagma Alam

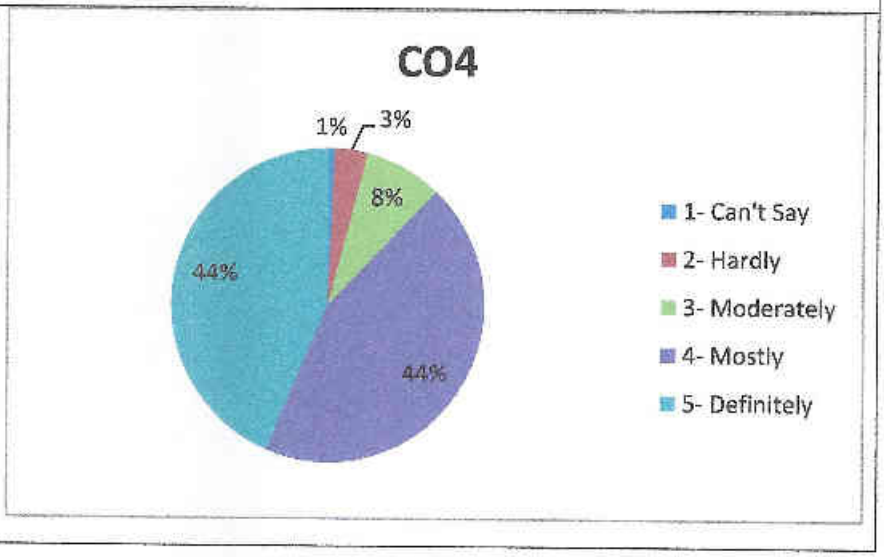
CO3: Identify the applications of different types of software.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	3	2
3- Moderately	13	9
4- Mostly	46	31
5- Definitely	86	58
Total	149	100



CO4: Make use of software results and validate them by analyzing results obtained from conventional methods.

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	5	3
3- Moderately	12	8
4- Mostly	66	44
5- Definitely	65	44
Total	149	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

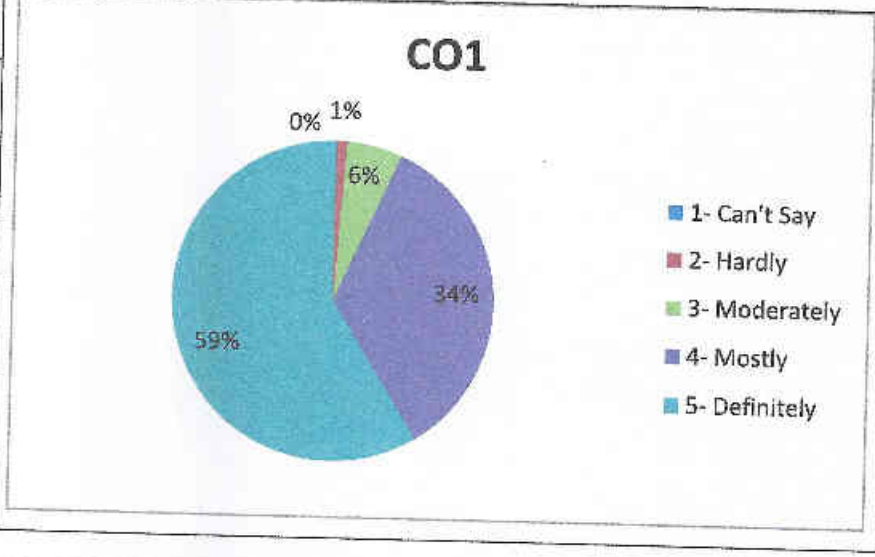
Course Exit Analysis Report (SEM VI)

Subject – MP-2B

Subject Teacher - Prof. Yughandhar Kasture /Prof Pramod Sutar / Prof.Deepali Phadatare

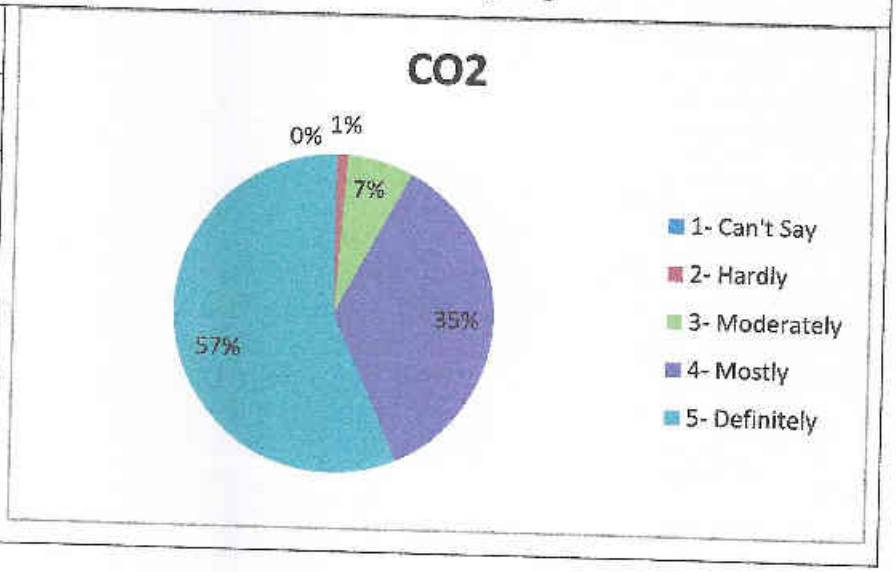
CO1: Illustrate the problems based on societal /research needs and formulate a solution strategy.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	5	6
4- Mostly	31	34
5- Definitely	53	59
Total	90	100



CO2: Apply fundamentals to develop solutions to solve societal problems in a group

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	6	7
4- Mostly	32	36
5- Definitely	51	57
Total	90	100



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2021 - 2022 (VIII SEM)

Summary of feedback (Semester 8):

Feedbacks of students were collected through course exit forms. These feedbacks were analysed and some actions were taken for solving the issues raised by students in their course exit forms. Some suggestions obtained from the students are as follows

- Revision and remedial classes required for some topics of DDRCS.
- Need more practice for mix design
- Require more mini Projects to be assigned.
- Require field visits to understand some concepts of Construction management.

Action Taken:

Based on suggestions, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Revision and remedial classes required for some topics of DDRCS	Extra classes were taken for Design subject	As required
2	Need more practice for mix design	Asked students to make concrete blocks of different mix design in their Practicals and to choose major Project on concrete	As required
3.	Require more mini Projects to be assigned.	Assigned mini projects including mix design, drawing and scheduling etc.	As required
4	Require field visits to understand some	Arranged industrial visits of	As required

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

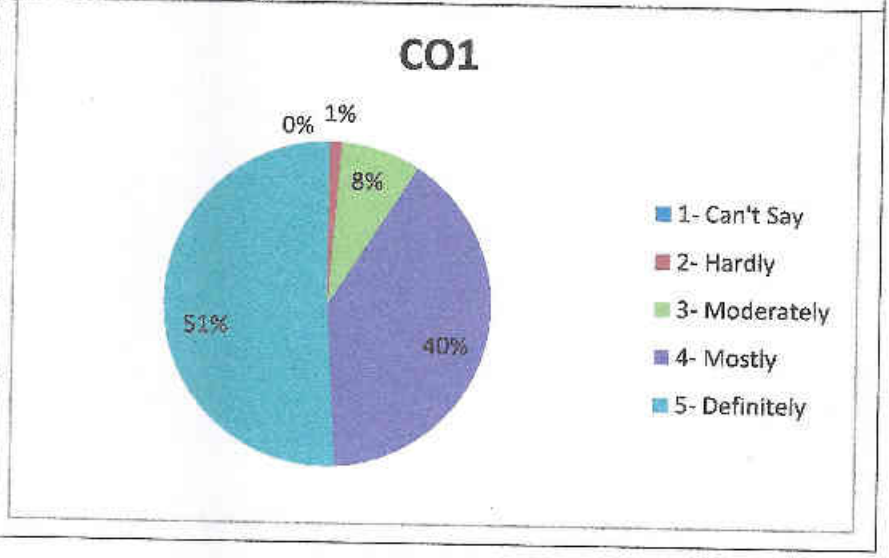
Course Exit Analysis Report (SEM VIII)

Subject – Industrial Water Treatment

Subject Teacher - Prof. Pramod Sutar / Dr. Saumya Singh / Aniket Sharma

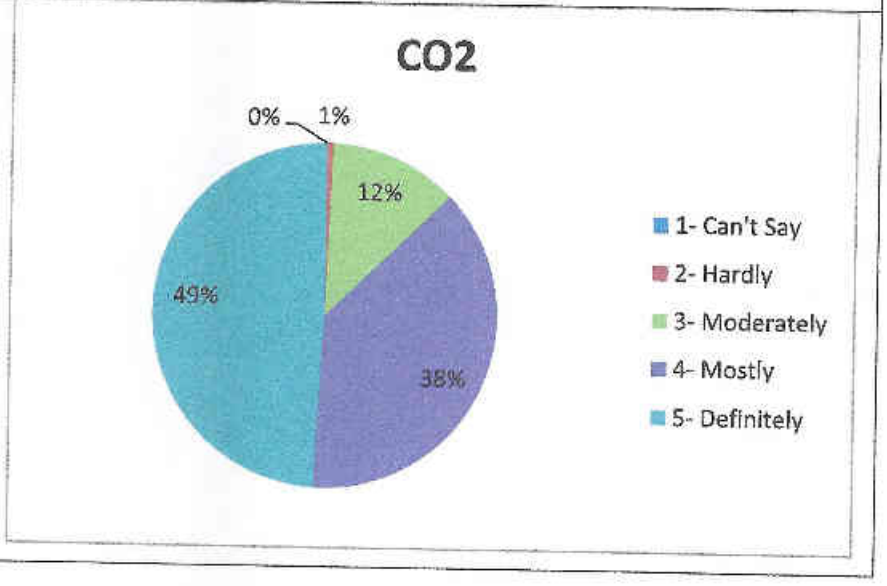
CO1: Understand & apply the knowledge of management functions like planning, scheduling, executing & controlling the construction projects

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	2	1
3- Moderately	13	8
4- Mostly	66	40
5- Definitely	84	51
Total	165	100



CO2: Classify the construction Projects and also can decide how to select the lay -out of a site

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	1	1
3- Moderately	20	12
4- Mostly	63	38
5- Definitely	81	49
Total	165	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

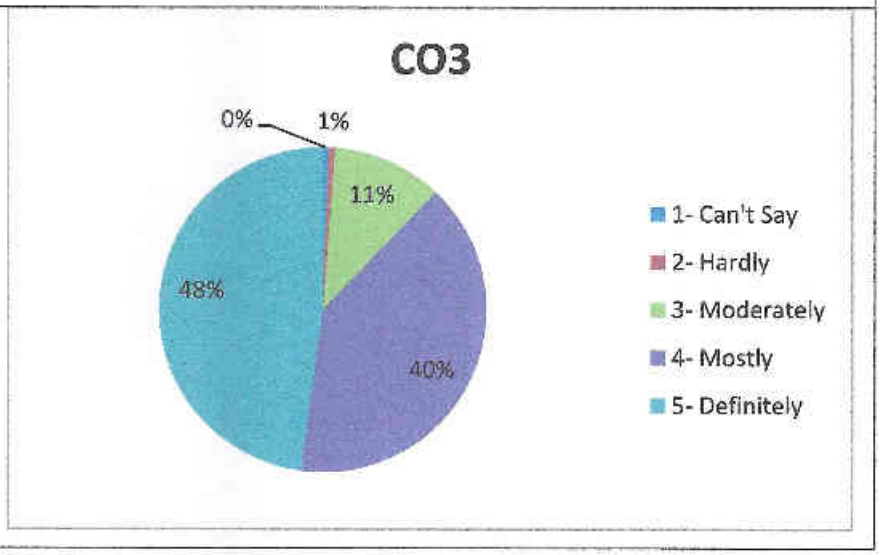
Course Exit Analysis Report (SEM VIII)

Subject – Industrial Water Treatment

Subject Teacher - Prof. Pramod Sutar / Dr. Saumya Singh / Aniket Sharma

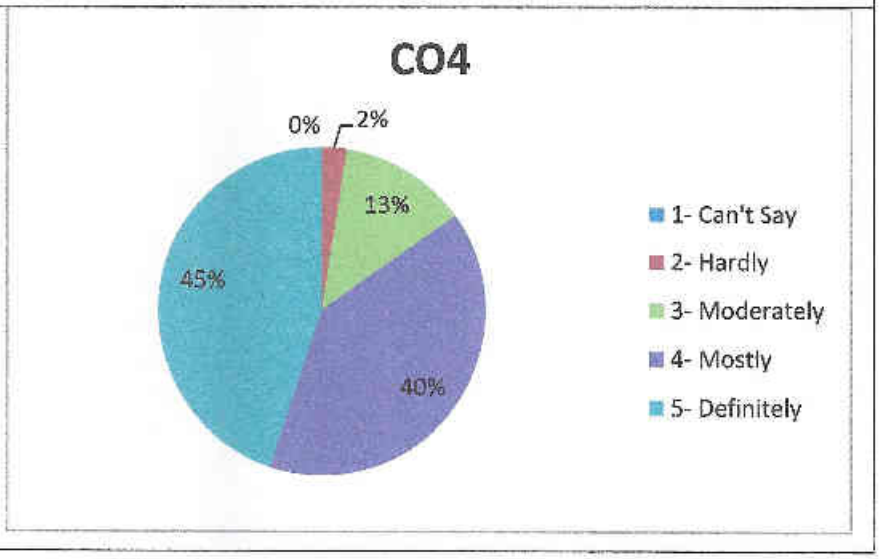
CO3: Construct feasible project schedule by using scheduling techniques like CPM and PERT and evaluate the critical path in the network .

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	1	1
3- Moderately	18	11
4- Mostly	66	40
5- Definitely	79	48
Total	165	100



CO4: Evaluate the daily resource requirement and interpret the best possible schedule from different combinations

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	2
3- Moderately	21	13
4- Mostly	66	40
5- Definitely	74	45
Total	165	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

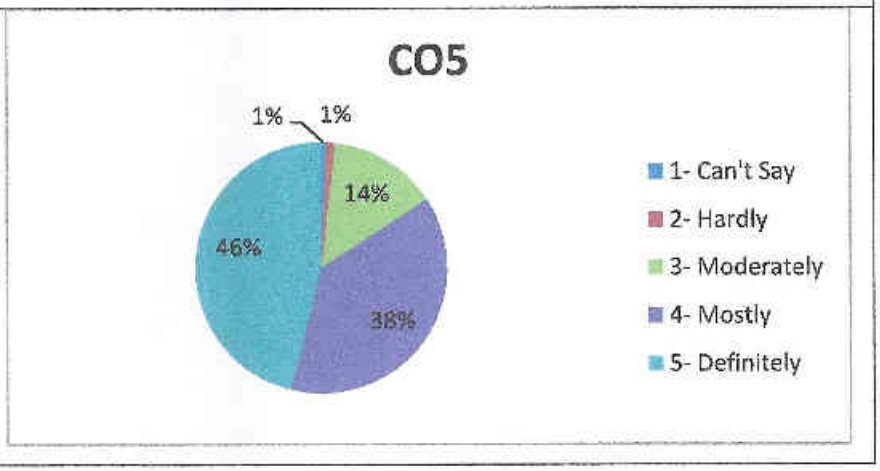
Course Exit Analysis Report (SEM VIII)

Subject – Industrial Water Treatment

Subject Teacher - Prof. Pramod Sutar / Dr. Saumya Singh / Aniket Sharma

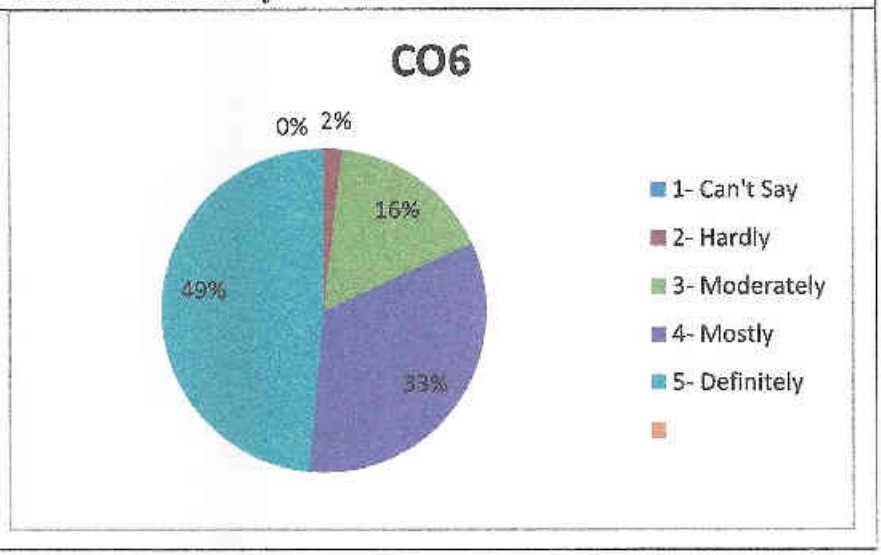
CO5: Analyze the given network and determine an optimum time cost optimization curve

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	2	1
3- Moderately	23	14
4- Mostly	63	38
5- Definitely	76	46
Total	165	100



CO6: Inspect the quality & safety measures on construction sites during execution of civil engineering projects and adopt the laws pertaining to construction industry.

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	3	2
3- Moderately	27	16
4- Mostly	55	33
5- Definitely	80	48
Total	165	100



HOD (Civil)

Principal (SCOE)

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Department of Civil Engineering

Academic Year: 2021-22 (Even)

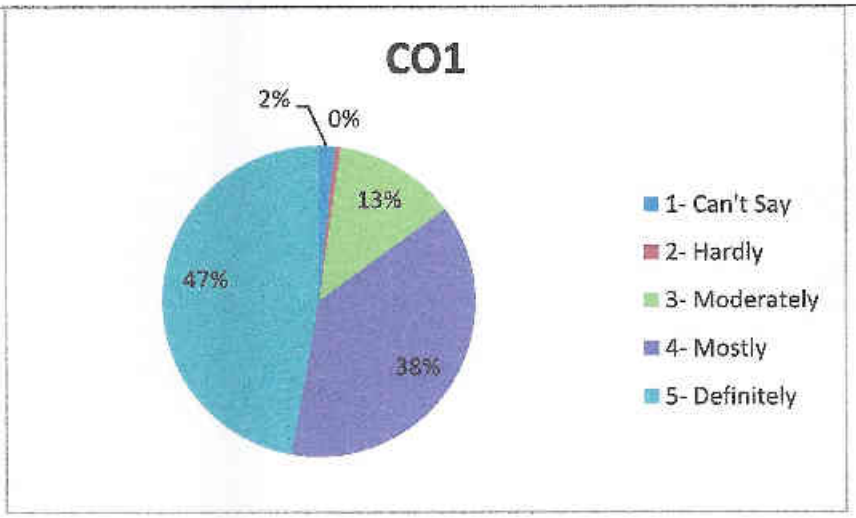
Course Exit Analysis Report (SEM VIII)

Subject – Design & Drawing of Reinforced Concrete Structures

Subject Teacher - Prof. Dr. Sunil M Rangari / Roshni John / Shweta Motharkar

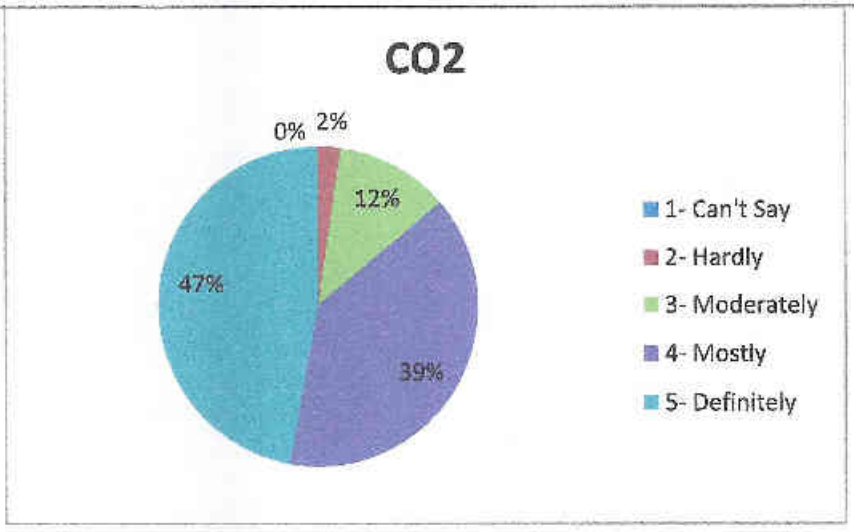
CO1: Refine a conceptual design into a detailed design by applying the provisions of relevant engineering codes and standards

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	1	1
3- Moderately	22	13
4- Mostly	66	38
5- Definitely	82	47
Total	174	100



CO2: Determine design objectives, functional requirements and arrive at design specifications for staircases

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	2
3- Moderately	20	11
4- Mostly	68	39
5- Definitely	82	47
Total	174	100



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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

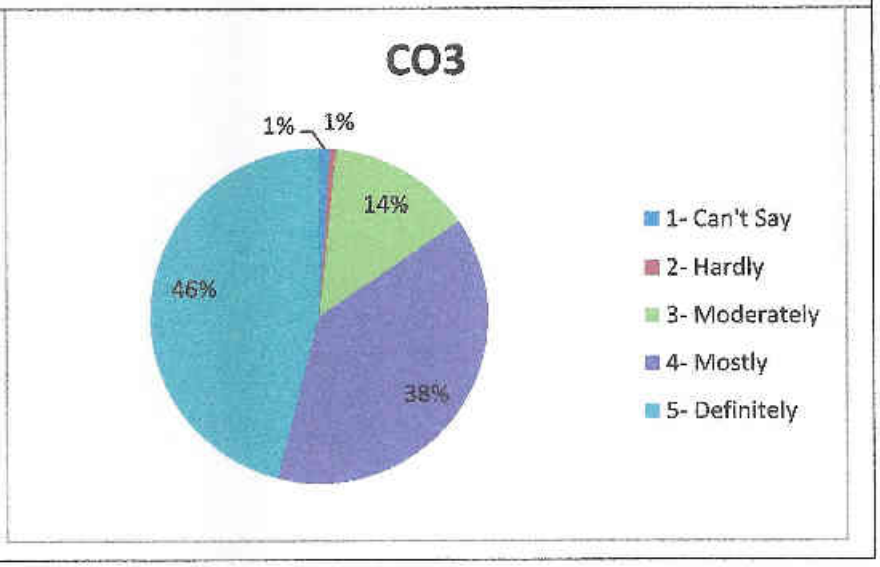
Course Exit Analysis Report (SEM VIII)

Subject – Design & Drawing of Reinforced Concrete Structures

Subject Teacher - Prof. Dr. Sunil M Rangari / Roshni John / Shweta Motharkar

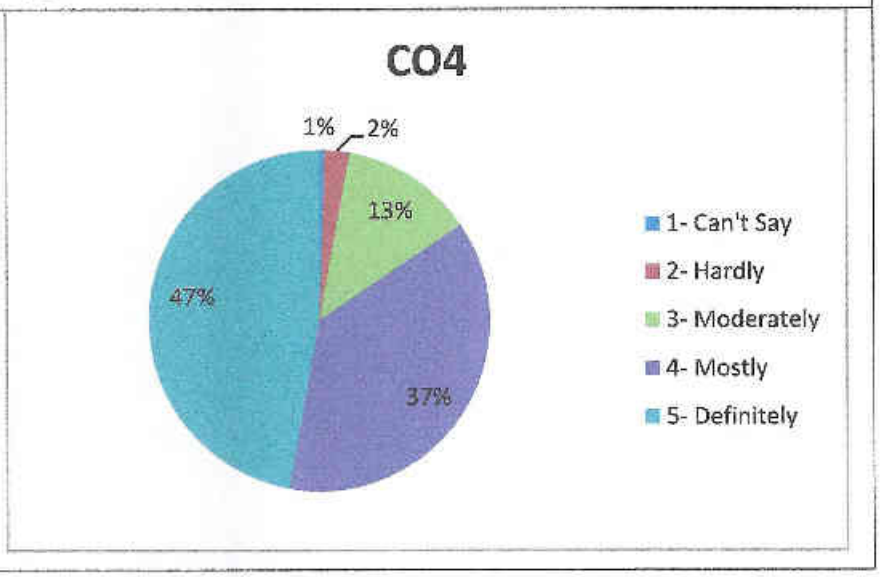
CO3: Identify the mathematical, engineering, and other relevant knowledge that applies to the design of retaining walls.

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	1	1
3- Moderately	24	14
4- Mostly	67	39
5- Definitely	80	46
Total	174	100



CO4: Discuss the structural behaviour and apply the concepts of WSM in the design of RCC water tanks

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	2
3- Moderately	22	13
4- Mostly	65	37
5- Definitely	82	47
Total	174	100



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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Even)

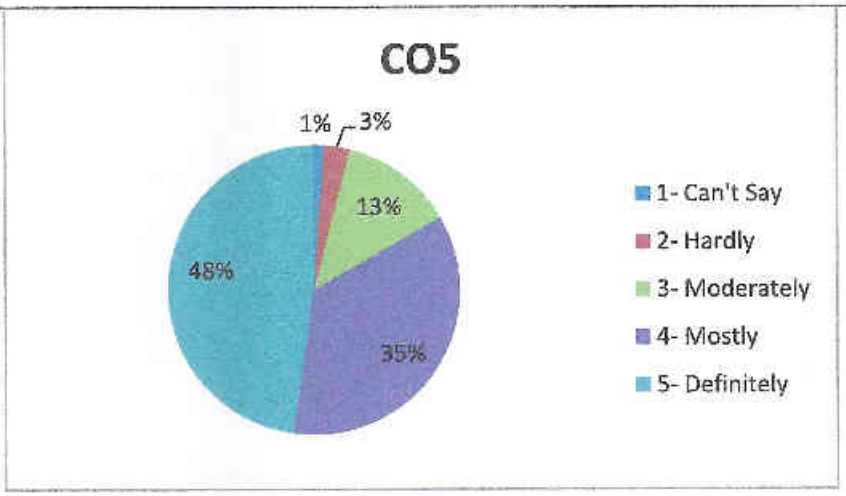
Course Exit Analysis Report (SEM VIII)

Subject – Design & Drawing of Reinforced Concrete Structures

Subject Teacher - Prof. Dr. Sunil M Rangari / Roshni John / Shweta Motharkar

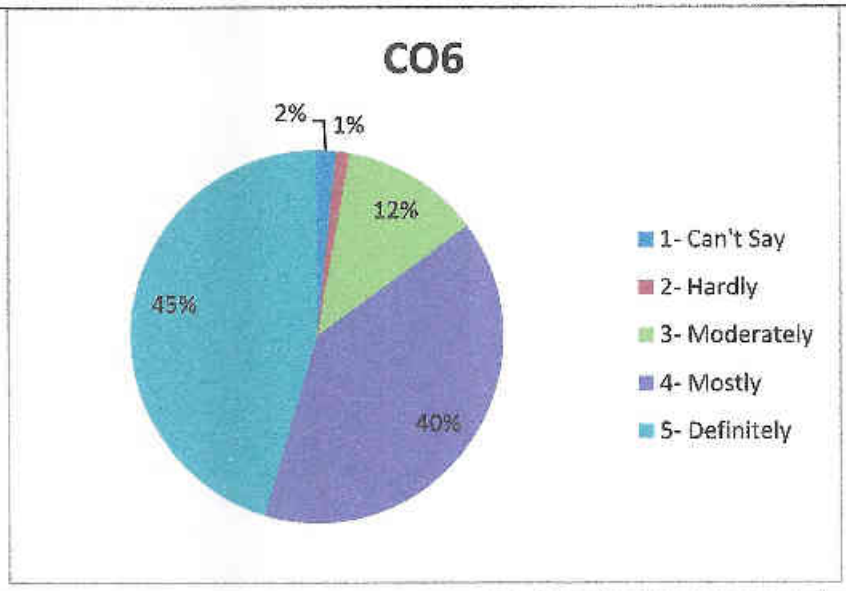
CO5: Demonstrate the response of a structure during earthquake and determine design seismic forces

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	5	3
3- Moderately	22	13
4- Mostly	62	36
5- Definitely	83	48
Total	174	100



CO6: Explain principles of prestressing and analyse the stresses in prestressed beams

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	2	1
3- Moderately	21	12
4- Mostly	69	40
5- Definitely	79	45
Total	174	100



HOD (Civil)

Principal (SCOE)

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Department of Civil Engineering

Academic Year: 2021-22 (Even)

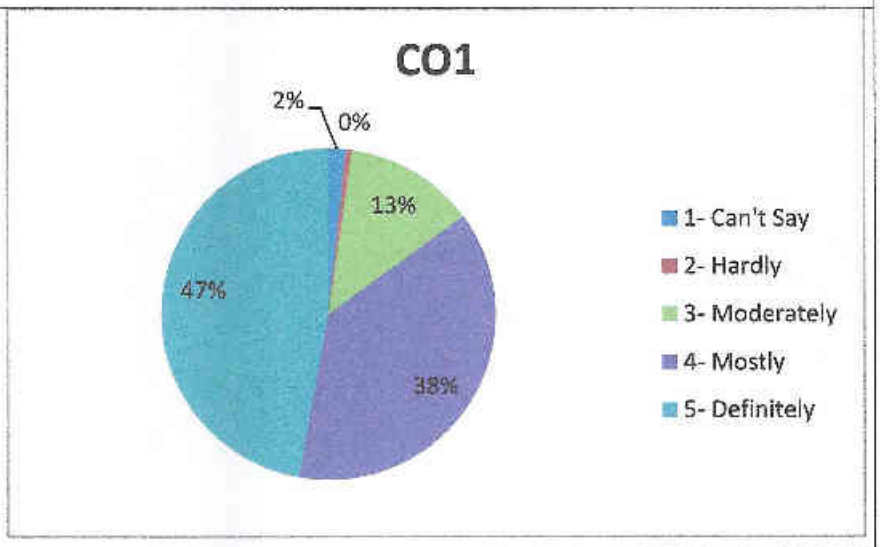
Course Exit Analysis Report (SEM VIII)

Subject – Construction Management

Subject Teacher - Prof. Molly Mathew / Shanthi Selvam / Sanjay Singh

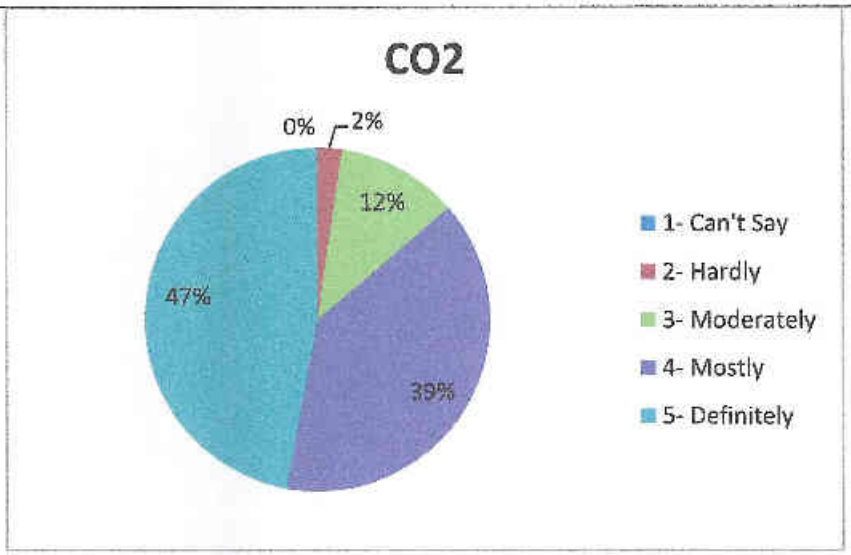
CO1:

Score	No. of students	Percentage (%)
1- Can't Say	3	2
2- Hardly	1	1
3- Moderately	22	13
4- Mostly	66	38
5- Definitely	82	47
Total	174	100



CO2:

Score	No. of students	Percentage (%)
1- Can't Say	0	0
2- Hardly	4	2
3- Moderately	20	11
4- Mostly	68	39
5- Definitely	82	47
Total	174	100



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Department of Civil Engineering

Academic Year: 2021-22 (Even)

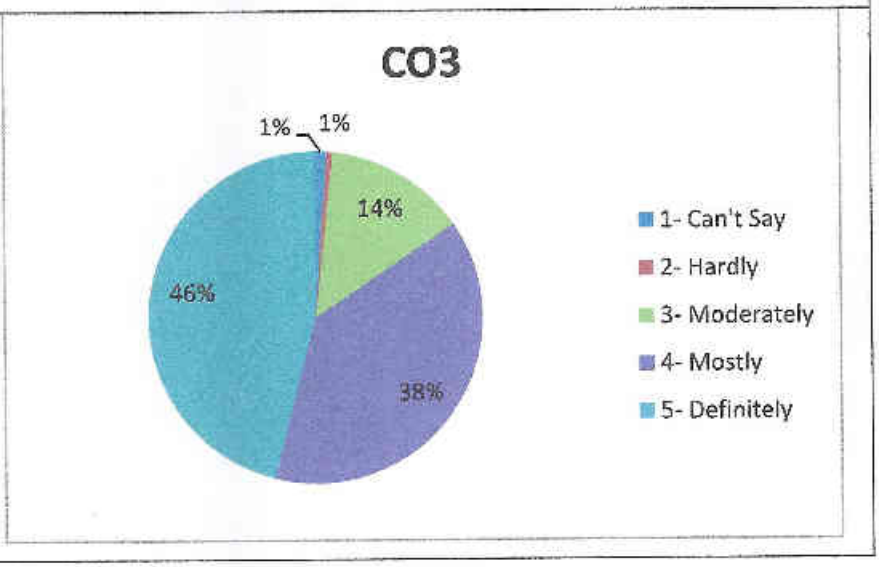
Course Exit Analysis Report (SEM VIII)

Subject – Construction Management

Subject Teacher - Prof. Molly Mathew / Shanthi Selvam / Sanjay Singh

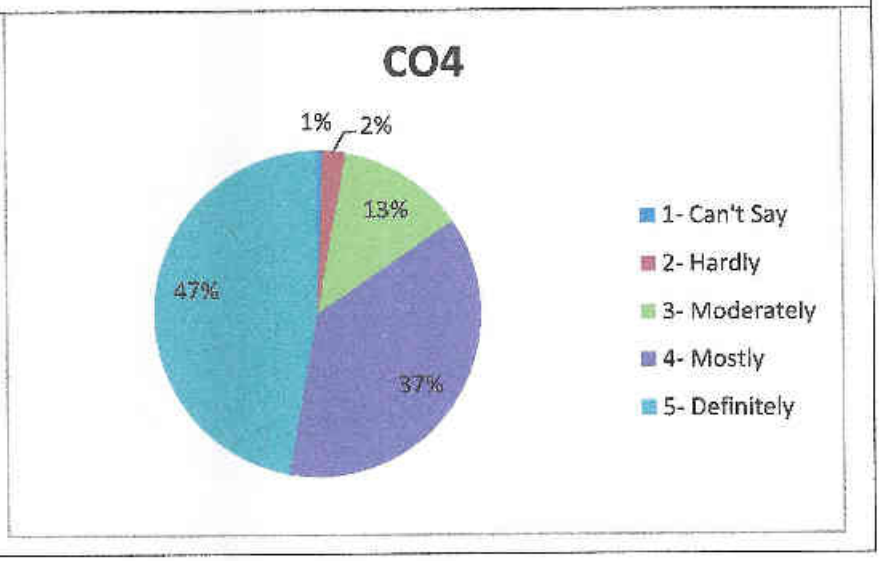
CO3:

Score	No. of students	Percentage (%)
1- Can't Say	2	1
2- Hardly	1	1
3- Moderately	24	14
4- Mostly	67	39
5- Definitely	80	46
Total	174	100



CO4:

Score	No. of students	Percentage (%)
1- Can't Say	1	1
2- Hardly	4	2
3- Moderately	22	13
4- Mostly	65	37
5- Definitely	82	47
Total	174	100



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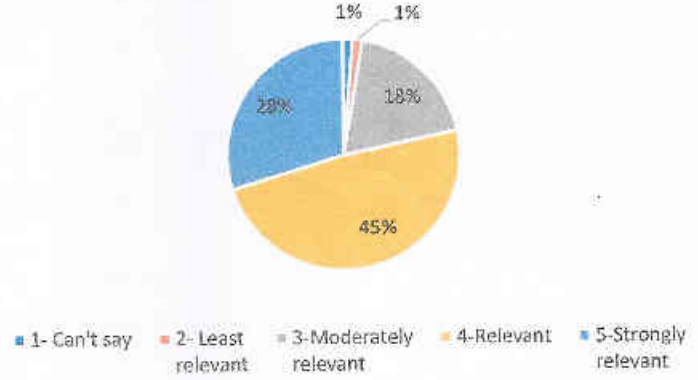
Kharghar, Navi Mumbai - 410 210.

Program exit feedback analysis - Academic year 2021-22

CIVIL ENGINEERING DEPARTMENT

Score	No. of students	Percentage
1- Can't say	1	1%
2- Least relevant	1	1%
3-Moderately relevant	14	18%
4-Relevant	36	45%
5-Strongly relevant	22	28%
Total	74	100%

PO 1- Apply concepts of Mathematics and computing in solving Civil Engineering problems

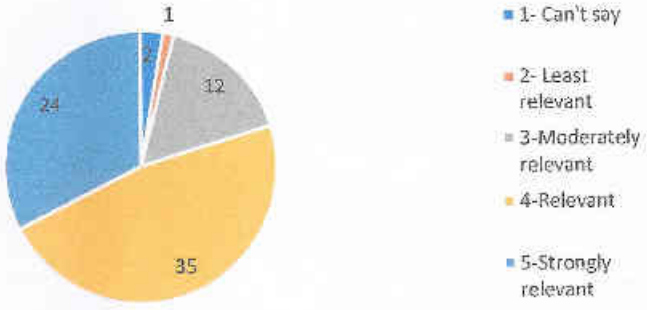


Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3- Moderately relevant	14	18%
4-Relevant	38	48%
5-Strongly relevant	20	25%
Total	74	100%

PO2-- Identify, formulateApply concepts of Mathematics and computing in solving Civil Engineering problems and analyse Civil Engineering problems and derive solution using concepts of mathematics, natural Science & engineering science

Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	1	1%
3- Moderately relevant	12	15%
4-Relevant	35	44%
5-Strongly relevant	24	30%
Total	74	100%

PO3-- Apply appropriate solution to Complex Civil Engineering problems leading to valid conclusion



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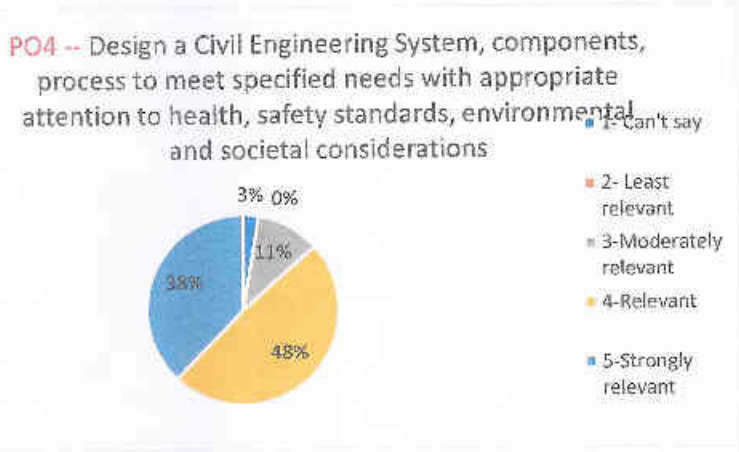
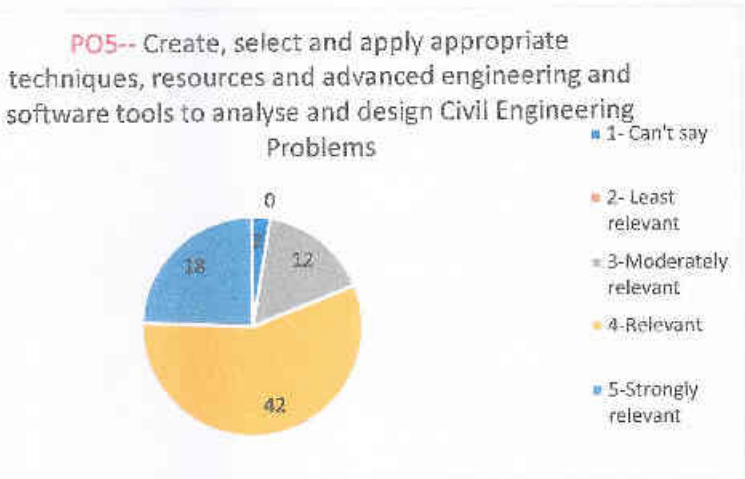
Kharghar, Navi Mumbai - 410 210.

Program exit feedback analysis - Academic year 2021-22

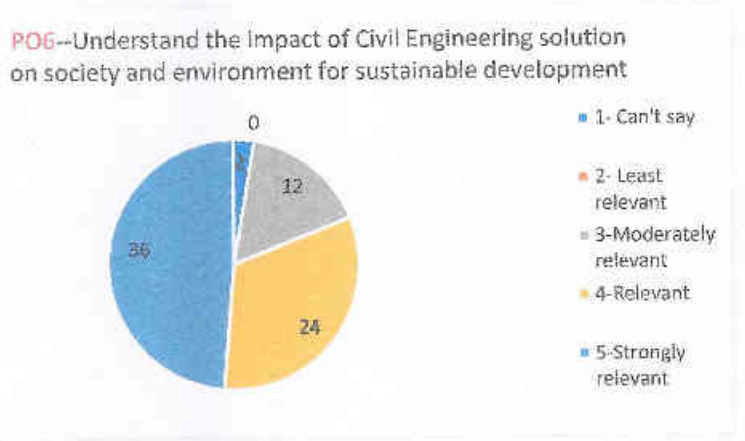
Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	8	10%
4-Relevant	36	45%
5-Strongly relevant	28	35%
Total	74	100%



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	12	15%
4-Relevant	42	53%
5-Strongly relevant	18	23%
Total	74	100%



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	12	15%
4-Relevant	24	30%
5-Strongly relevant	36	45%
Total	74	100%



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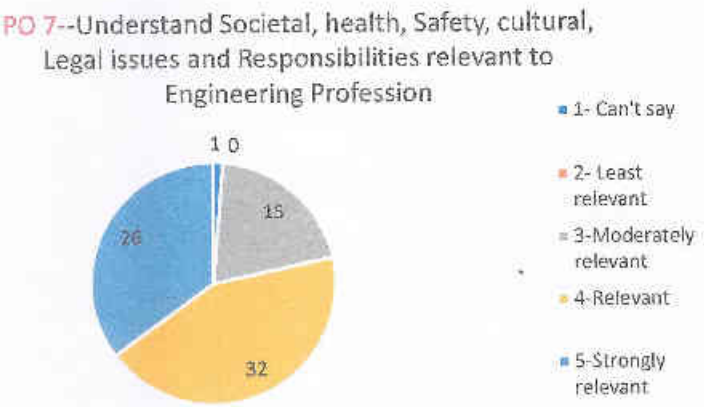
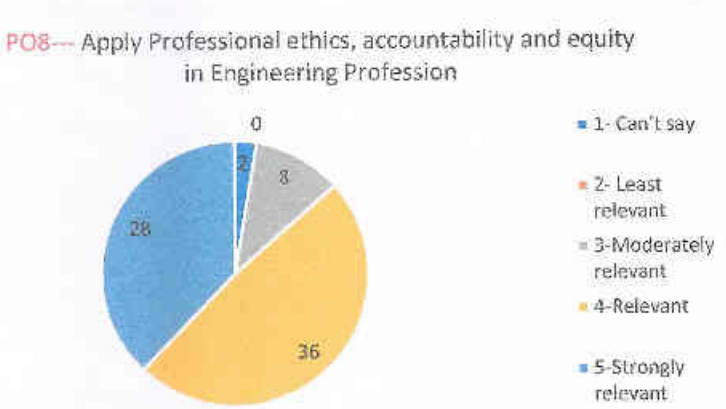
Program exit feedback analysis - Academic year 2021-22

Score	No. of students	Percentage
1- Can't say	1	1%
2- Least relevant	0	0%
3-Moderately relevant	15	19%
4-Relevant	32	40%
5-Strongly relevant	26	33%
Total	74	100%



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	8	10%
4-Relevant	36	45%
5-Strongly relevant	28	35%
Total	74	100%



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	16	20%
4-Relevant	24	30%
5-Strongly relevant	32	40%
Total	74	100%

SARASWATI Education Society's

SARASWATI College of Engineering

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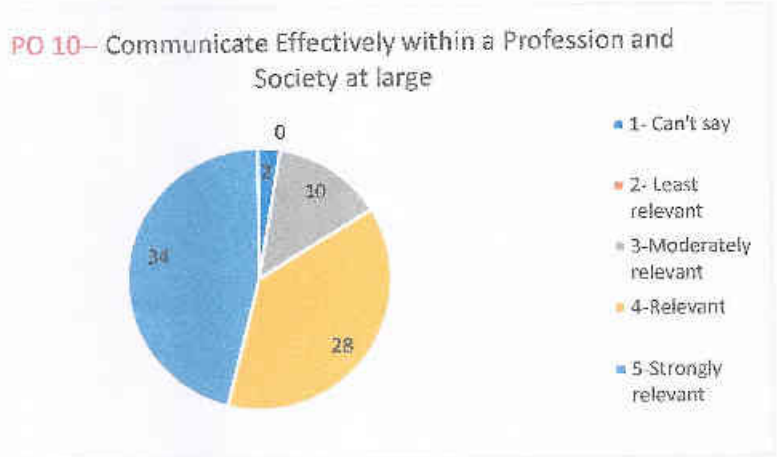
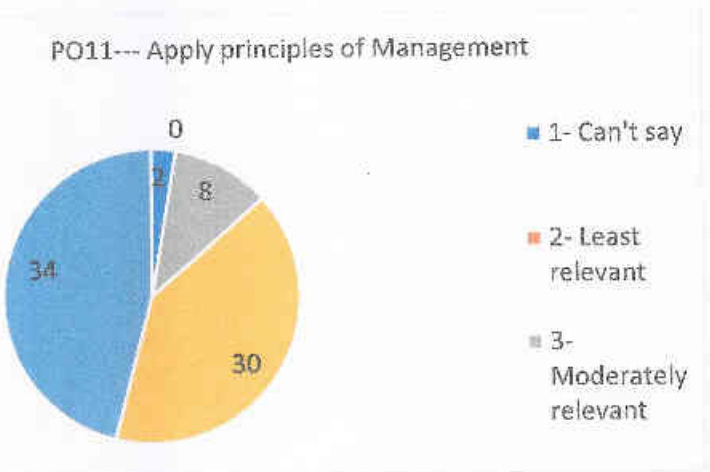
Program exit feedback analysis - Academic year 2021-22

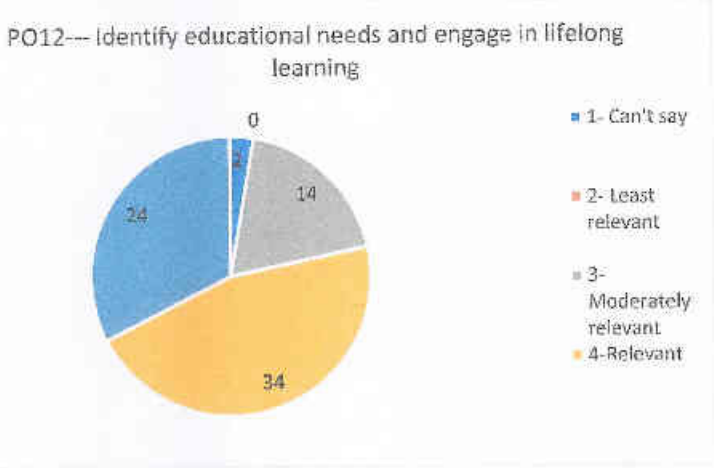
Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	10	13%
4-Relevant	28	35%
5-Strongly relevant	34	43%
Total	74	100%



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	8	10%
4-Relevant	30	38%
5-Strongly relevant	34	43%
Total	74	100%



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	14	18%
4-Relevant	34	43%
5-Strongly relevant	24	30%
Total	74	100%



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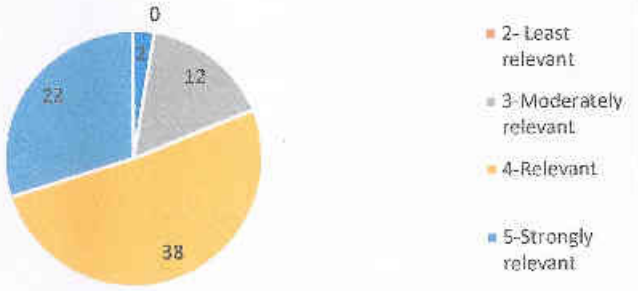
Program exit feedback analysis - Academic year 2021-22

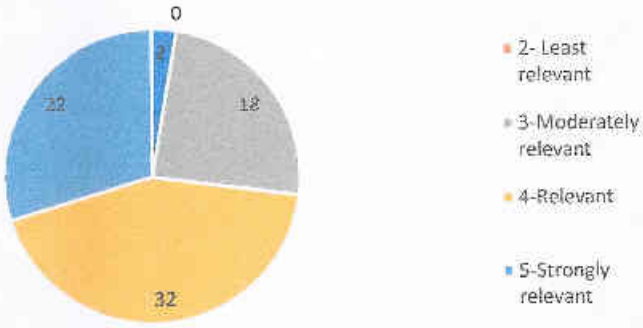
Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	12	15%
4-Relevant	38	48%
5-Strongly relevant	22	28%
Total	74	100%

PSO 1-- Are you able to Formulate and analyse complex engineering problems in Civil engineering (Structural, Environmental, Water Resources, Transportation and Geotechnical Engineering)



Score	No. of students	Percentage
1- Can't say	2	3%
2- Least relevant	0	0%
3-Moderately relevant	18	23%
4-Relevant	32	40%
5-Strongly relevant	22	28%
Total	74	100%

PSO 2--- Are you able to plan and develop efficient, efficient safe, sustainable and cost-effective high-rise structures, bridges, expressways, offshore structures and dams using modern construction tools and techniques ethically?



HOD
Civil Engg.

Principal
SCOE

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2021-22

Summary of feedback received from students through program exit forms

Based on the feedback collected from students in the program exit form, following observations were found.

1) Discussion regarding start-up ideas in Civil field should be done
2) Software trainings should be included under various subjects
3) Implementation of environment friendly methods on small scale should be included in Environmental Engineering.
4) Expert talks should be arranged for various subjects.

HOD

Civil Engg.Dept

Principal

SCOE

SARASWATI College of Engineering

ACADEMIC YEAR 2021-2022 (EVEN)

TMENT OF CIVIL ENGINEERING (FIRST SHIFT)

EORY AND PRACTICAL FEEDBACK (INDEX)

SR. NO.	NAME OF THE FACULTIES_SUB	AVE._TH	AVE._PR	AVE. (X)	Y = ∑ X /N	(X-Y)	Z= (X-Y)^2
1	Roshni John	4.45	4.58	4.515	4.19	0.33	0.11
2	D. M.Joshi	3.76	3.78	3.77	4.19	-0.42	0.18
3	Rachel Gitty	4.18	4.20	4.19	4.19	0.00	0.00
4	Madhukar Andhale	4.14	4.14	4.14	4.19	-0.05	0.00
5	Hemant Sarje	4.00	3.87	3.94	4.19	-0.26	0.07
6	Sujaya Wadekar	4.36	4.32	4.34	4.19	0.15	0.02
7	Yugandhara Kasture	4.1	4.16	4.13	4.19	-0.06	0.00
8	Shweta Motharkar	4.13	4.18	4.16	4.19	-0.04	0.00
9	Dr. Saumya Singh	4.4	4.50	4.45	4.19	0.26	0.07
10	Manoj Pillai	4.16	4.10	4.13	4.19	-0.06	0.00
11	Shanthi Selvam	4.46	4.49	4.48	4.19	0.28	0.08
12	Priyanka Rajput	4.09	4.20	4.15	4.19	-0.05	0.00
13	Molly Mathew	3.87	3.93	3.90	4.19	-0.29	0.08
14	Nagma Alam	3.95	3.95	3.95	4.19	-0.25	0.06
15	Shubadha Deshmukh	4.13	4.10	4.12	4.19	-0.08	0.01
16	Asmita Lakhote	4.23	4.23	4.23	4.19	0.04	0.00
17	Kiran Phadtare	3.97	4.31	4.14	4.19	-0.05	0.00

18	Ashwini Bodkhe	4.16	4.36	4.26	4.19	0.07	0.00
19	Irfan Shaikh	4.15	4.02	4.09	4.19	-0.11	0.01
20	Sima Singh	4.32	4.32	4.32	4.19	0.13	0.02
21	Alka Purohit	4.49	4.49	4.49	4.19	0.30	0.09
22	Swapnil Jadhav	4.34	4.40	4.37	4.19	0.18	0.03
		N	$\sum X =$	79.1		$\sum Z = -.02$	0.70
		22	$Y = \sum X / N =$	3.59		$\sum Z/n-1 =$	0.03
						$SD = \sqrt{(\sum Z/n-1)} =$	0.18

Academic coordinator

HOD

Academic Dean

Principal

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ACADEMIC YEAR 2021-22

DEPARTMENT OF CIVIL ENGINEERING

ACTION TAKEN ON THEORY FEEDBACK EVEN SEMESTER

Date: 12/04/2022

Sr. No.	Class	Faculty Name	Subject	Score (Out of 05)	Action Taken
1	B.E. (A)	Prof. Roshni John	DDRCS	4.45	
2		Prof. Molly Mathew	CM	3.69	More explanation of the numerical examples
3		Prof. Pramod Sutar	IWT	3.99	Explanation with the help of ppts
4		Dr. Neha Sharma	EM (ILOC)	4.3	-
5		Dr. Deepika Patil	PM (ILOC)	4.02	-

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1		Prof. Shweta Motharkar	DDRCS	4.48	-
2		Prof. Shanthi P. Selvam	CM	4.54	-
3		Dr. Saumya Singh	IWT	4.58	-
4		Prof. Sagar Kadu	PM (ILOC)	4.39	-

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	T.E. (A)	Prof. Ashwini Bodkhe	DDSS	4.45	-
2		Prof. Supriya Khedkar	DDSS	4.27	-
3		Prof. Yugandhara Kasture	GE II	4.27	-
4		Prof. Manisha Wankhede	EE	4.52	-
5		Prof. Rachel Gitty	WRE	4.23	-
6		Prof. Chaitali Isal	CET(DLOC)	4.36	-
7		Prof. Manoj Pillai	SBLC III	4.61	-

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	T.E. (B)	Prof. D.M. Joshi	DDSS	4.12	-
2		Prof. Manoj Pillai	GE II	4.72	-
3		Dr. Saumya Singh	EE	4.67	-
4		Prof. Hemant Sarje	WRE	4.62	-
5		Prof. Chaitali Isal	CET(DLOC)	4.63	-

6		Prof. Ashwini Bodkhe	SBLC III	4.33	-

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	S.E. (A)	Prof. Shweta Motharkar	SA	4.53	-
2		Prof. Shanthi P. Selvam	SUR	4.55	-
3		Prof. Tarannum Shaikh	BMCT	4.69	-
4		Prof. Ashwini Bodkhe	FM II	4.79	-
5		Prof. Madhukar Andhale	EM IV	4.55	-
6		Prof. Tarannum Shaikh	SBLC II	4.71	-

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	S.E. (A)	Prof. D. M. Joshi	SA	3.78	More examples for practice as students not able to follow new topics
		Prof. Manoj Pillai	SA	4.82	-
2		Prof. Anjali D'sa	SUR	4.32	-
3		Prof. Sujaya Wadekar	BMCT	4.41	-
4		Prof. Shahbaz Khan	FM II	4.38	-
5		Prof. Madhukar Andhale	EM IV	4.53	-
6		Prof. Chaitali Isal	SBLC II	3.98	More explanation during software practice

...of Rachel Gitty
(Academic Co-Ordinator)

Prof. Roshni John
(HOD)

Dr. S. M. Rangari
Academic Dean

Dr. Manjusha Deshmukh
(Principal)

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2021-22

ACTION TAKEN ON

PRACTICAL/ TUTORIAL FEEDBACK EVEN SEMESTER

Date: 12/04/2022

Sr. No.	Class	Faculty Name	Subject	Score (Out of 05)	Action Taken
1	B.E. (A)	Prof. Kiran Phadtare	DDRCS	3.33	More explanation on solving numerical examples
2		Prof. Kiran Phadtare	DDRCS	4.25	
3		Prof. Roshni John	DDRCS	4.28	
4		Prof. Molly Mathew	CM	3.79	More practice questions to be solved
5		Prof. Molly Mathew	CM	4.11	
6		Prof. Molly Mathew	CM	3.98	More practice questions to be solved
7		Prof. Sujaya Wadekar	IWT	3.56	More practice questions to be solved
8		Prof. Manisha Wankhede	IWT	4.8	
9		Prof. Anjali D'sa	IWT	3.91	More practice questions to be solved

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	B.E. (B)	Prof. Shweta Motharkar	DDRCS	4	-
2		Prof. Shweta Motharkar	DDRCS	4.83	-
3		Prof. Kiran Phadtare	DDRCS	4.3	-
4		Prof. Shanthi Selvam	CM	4.14	-
5		Prof. Shanthi Selvam	CM	4.69	-
6		Prof. Shanthi Selvam	CM	4.58	-
7		Dr. Saumya Singh	IWT	4.4	-

8		Prof. Manisha Wankhede	IWT	4.8	
		Prof. Sujaya Wadekar	IWT	4.5	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	T.E. (A)	Prof. Shahbaz Khan	DDSS	4.22	
2		Prof. Supriya Khedkar	DDSS	4.4	
3		Prof. Supriya Khedkar	DDSS	4.36	
4		Prof. Yugandhara Kasture	GE II	4.2	
5		Prof. Yugandhara Kasture	GE II	4.71	
6		Prof. Yugandhara Kasture	GE II	4.11	
7		Prof. Manisha Wankhede	EE	4.47	
8		Prof. Manisha Wankhede	EE	4.8	
9		Prof. Manisha Wankhede	EE	4.33	
10		Prof. Rachel Gitty	WRE	4.65	
11		Prof. Rachel Gitty	WRE	4.47	
12		Prof. Rachel Gitty	WRE	4.3	
13		Prof. Manoj Pillai	SBLC III	4.47	
14		Prof. Manoj Pillai	SBLC III	4.8	
15		Prof. Manoj Pillai	SBLC III	4.53	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	T.E. (B)	Prof. D.M. Joshi	DDSS	4.71	
2		Prof. D.M. Joshi	DDSS	4.28	
3		Prof. D.M. Joshi	DDSS	4.08	
4		Prof. Yugandhara Kasture	GE II	4.91	
5		Prof. Yugandhara Kasture	GE II	4.56	
6		Prof. Chaitali Isal	GE II	4.48	
7		Dr. Saumya Singh	EE	4.77	
8		Dr. Saumya Singh	EE	4.96	
9		Prof. Chaitali Isal	EE	4.43	
10		Prof. Hemant Sarje	WRE	4.8	
11		Prof. Hemant Sarje	WRE	4.52	
12		Prof. Hemant Sarje	WRE	4.48	
13		Prof. Ashwini Bodkhe	SBLC III	4.66	
14		Prof. Ashwini Bodkhe	SBLC III	4.8	
15		Prof. Ashwini Bodkhe	SBLC III	4.45	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	S.E. (A)	Prof. Shahbaz Khan	SA	4.68	
2		Prof. Shahbaz Khan	SA	4.98	
3		Prof. Shweta Motharkar	SA	4.68	
4		Prof. Anjali D'sa	SUR	4.63	
5		Prof. Pramod Sutar	SUR	5	
6		Prof. Pramod Sutar	SUR	4.52	

7		Prof. Sujaya Wadekar	BMCT	4.72	-
8		Prof. Sujaya Wadekar	BMCT	4.85	-
9		Prof. Tarannum Shaikh	BMCT	4.92	-
10		Prof. Shahbaz Khan	FM II	4.72	-
11		Prof. Kiran Phadtare	FM II	4.6	-
12		Prof. Kiran Phadtare	FM II	4	-
13		Prof. Madhukar Andhale	EM IV	4.42	-
14		Prof. Madhukar Andhale	EM IV	4.9	-
15		Prof. Madhukar Andhale	EM IV	4.32	-
16		Prof. Tarannum Shaikh	SBLC II	4.65	-
17		Prof. Tarannum Shaikh	SBLC II	4.88	-
18		Prof. Tarannum Shaikh	SBLC II	4.68	-

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)	Action Taken
1	S.E. (B)	Prof. D.M. Joshi	SA	4.04	-
2		Prof. Anjali D'sa	SA	4.3	-
3		Prof. Anjali D'sa	SA	4.6	-
4		Prof. Anjali D'sa	SUR	4.32	-
5		Prof. Anjali D'sa	SUR	4.6	-
6		Prof. Pramod Sutar	SUR	4.8	-
7		Prof. Sujaya Wadekar	BMCT	4.36	-
8		Prof. Sujaya Wadekar	BMCT	4.75	-
9		Prof. Tarannum Shaikh	BMCT	4.27	-
10		Prof. Shahbaz Khan	FM II	4.16	-
11		Prof. Hemant Sarje	FM II	4.37	-
12		Prof. Hemant Sarje	FM II	4.7	-
13		Prof. Madhukar Andhale	EM IV	4.24	-
14		Prof. Madhukar Andhale	EM IV	4.6	-
15		Prof. Madhukar Andhale	EM IV	4.63	-
16		Prof. Chaitali Isal	SBLC II	4.2	-
17		Prof. Chaitali Isal	SBLC II	4.37	-
18		Prof. Tarannum Shaikh	SBLC II	4.25	-

Prof Rachel Gitty
(Academic Co-Ordinator)

Prof. Roshni John
(HOD)

Dr. S. M. Rangari
Academic Dean

Dr. Manjusha Deshmukh
(Principal)

SARASWATI College of Engineering

ACADEMIC YEAR 2021-2022 (~~ODD~~) EVEN
DEPARTMENT OF CIVIL ENGINEERING (FIRST SHIFT)
THEORY AND PRACTICAL FEEDBACK (INDEX)

SR. NO.	NAME OF THE FACULTIE	AVE._TH	AVE._PR	AVE. (X)	Y = ∑ X /N	(X-Y)	Z= (X-Y)^2
1	Prof. Roshni John	4.45	4.28	4.365	4.38	-0.01	0.00
2	Prof. D.M.Joshi	3.95	4.27	4.11	4.38	-0.27	0.07
3	Prof. Rachel Gitty	4.23	4.47	4.35	4.38	-0.03	0.00
4	Prof. Madhukar Andhale	4.54	4.51	4.525	4.38	0.15	0.02
5	Prof. Hemant Sarje	4.62	4.57	4.595	4.38	0.22	0.05
6	Prof. Sujaya Wadekar	4.41	4.41	4.41	4.38	0.03	0.00
7	Prof. Yugandhara Kasture	4.27	4.42	4.345	4.38	-0.04	0.00
8	Prof. Shweta Motharkar	4.5	4.50	4.5	4.38	0.12	0.01
9	Dr. Saumya Singh	4.62	4.71	4.665	4.38	0.29	0.08
10	Prof. Manoj Pillai	4.66	4.60	4.63	4.38	0.25	0.06
11	Prof. Shanthi P.Selvam	4.54	4.47	4.505	4.38	0.13	0.02
12	Prof. Molly Mathew	3.69	3.96	3.825	4.38	-0.56	0.31
13	Prof. Ashwini Bodkhe	4.62	4.56	4.59	4.38	0.21	0.04
14	Prof. Kiran Phadtare		4	4	4.38	-0.38	0.14
15	Prof. Manisha Wankhede	4.52	4.64	4.58	4.38	0.20	0.04
16	Prof. Anjali D'sa	4.32	4.39	4.355	4.38	-0.02	0.00
17	Prof. Shahbaz Khan	4.38	4.55	4.465	4.38	0.09	0.01
18	Prof. Supriya Khedkar	4.27	4.38	4.325	4.38	-0.06	0.00
19	Prof. Chaitali Isal	4.32	4.37	4.345	4.38	-0.03	0.00
20	Prof. Pramod Sutar	3.99	4.73	4.36	4.38	-0.02	0.00
21	Prof. Tarannum Shaikh	4.7	4.6	4.65	4.38	0.27	0.07
22	Dr. Neha Sharma	4.3		4.3	4.38	-0.08	0.01
23	Dr. Deepika Patil	4.02		4.02	4.38	-0.36	0.13
24	Prof. Sagar Kadu	4.39		4.39	4.38	0.01	0.00
		N	∑ X =	105.2		∑Z =	1.08
		24	Y = ∑ X /N =	4.38		∑Z/n-1 =	0.0467
						SD = √(∑Z/n-1) =	0.22

Prof Rachel Gitty
Academic Coordinator (Shift-I)

Prof. Roshni John
HOD (Shift-I)

Dr. Sunil M. Rangari
Academic Dean

Dr. Manjusha Deshmukh
Principal

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DEPARTMENT OF CIVIL ENGINEERING

ACTION TAKEN ON THEORY FEEDBACK ODD SEMESTER 2021-22

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	B.E. (A)	Prof. Shweta Motharkar	TRCS	3.97	4.07	More detailed explanation of numerical examples
2		Prof. Molly Mathew	QSEV	3.87	3.96	More detailed explanation of concepts & numerical examples
3		Prof. Rachel Gitty	WRE-II	4.0	4.07	
4		Dr. Saumya Singh	SWM (DLOC-I)	4.05	4.21	
5		Prof. Naresh Joshi	DMMM (ILOC-II)	4.1	4.03	
6		Prof. Shanthi Selvam	Project A	4.34	4.07	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	B.E. (B)	Prof. Roshni John	TRCS	4.35	4.29	
2		Prof. Shanthi Selvam	QSEV	4.54	4.26	
3		Prof. Sujaya Wadekar	WRE-II	4.44	4.32	
4		Dr. Saumya Singh	SWM (DLOC-I)	4.54	4.39	
5		Prof. Naresh Joshi	DM (ILOC-II)	4.15	4.05	
6		Prof. Shanthi Selvam	Project A	4.54	4.28	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	T.E. (A)	Prof. D.M. Joshi	TRCS	3.69	4.18	More detailed explanation of concepts & numerical examples
2		Prof. Yugandhara Kasture	GE-I	4.01	4.25	
3		Prof. Hemant Sarje	AH	3.85	4.15	More detailed explanation of basic concepts
4		Prof. Manoj Pillai	TRE-I	4.55	4.65	
5		Prof. Kiran Phadtare	ACT	3.91	4.25	Notes required for theory topics
6		Prof. Suman Sharma	PCE	4.06	4.28	
7		Prof. Yugandhara Kasture	Mini Project 2A	4.12	4.29	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	T.E. (B)	Prof. Shweta Motharkar	TRCS	4.31	4.29	
2		Prof. Manoj Pillai	GE-I	4.55	4.55	
3		Prof. Ashwini Bodkhe	AH	4.38	4.45	
4		Dr. Priyanka Rajput	TRE-I	4.4	4.36	
5		Prof. Shubhada Deshmukh	ACT	4.22	4.23	
6		Prof. Suman Sharma	PCE	4.13	4.3	
7		Prof. Shubhada Deshmukh	Mini Project 2A	4.34	4.29	

Prof Rachel Gitty
(Academic Co-Ordinator)

Prof. Roshni John
(HOD)

Dr. S. M. Rangari
Academic Dean

Dr. Manjusha Deshmukh
(Principal)

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DEPARTMENT OF CIVIL ENGINEERING

ACTION TAKEN ON TUTORIAL/PRACTICAL FEEDBACK

ODD SEMESTER 2021-22

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	BE (A1)	Prof. Shweta Motharkar	TRCS	3.98	4.2	More numerical examples to be solved for practice
2		Prof. Molly Mathew	QSEV	4.0	4.18	
3		Prof. Rachel Gitty	WRE-II	4.07	4.18	
4		Dr. Saumya Singh	SWM (DLOC-I)	4.13	4.29	
1	BE (A2)	Prof. Shweta Motharkar	TRCS	4.0	4.44	
2		Prof. Molly Mathew	QSEV	3.96	4.38	More numerical examples to be solved for practice
3		Prof. Rachel Gitty	WRE-II	4.11	4.38	
4		Dr. Saumya Singh	SWM (DLOC-I)	4.33	4.35	
1	BE (A3)	Prof. Shweta Motharkar	TRCS	4.08	4.84	
2		Prof. Molly Mathew	QSEV	3.84	4.48	More numerical examples to be solved for practice
3		Prof. Rachel Gitty	WRE-II	3.85	4.36	More numerical examples to be solved for practice
4		Dr. Saumya Singh	SWM (DLOC-I)	4.34	4.76	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	BE (B1)	Prof. Roshni John	TRCS (B1-Batch)	4.35	4.02	
2		Prof. Shanthi Selvam	QSEV(B1)	4.53	4.15	
3		Prof. Sujaya Wadekar	WRE-II (B1)	4.33	4.09	
4		Dr. Saumya Singh	SWM (DLOC-I) (B1)	4.45	4.07	
1	BE (B2)	Prof. Roshni John	TRCS (B2)	4.54	4.35	
2		Prof. Shanthi Selvam	QSEV(B2)	4.58	4.46	
3		Prof. Sujaya Wadekar	WRE-II (B2)	4.33	4.46	
4		Dr. Saumya Singh	SWM (DLOC-I) (B2)	4.59	4.46	
1	BE	Prof. Roshni John	TRCS (B3)	4.22	4.55	

2	(B3)	Prof. Shanthi Selvam	QSEV(B3)	4.53	4.55	
3		Prof. Sujaya Wadekar	WRE-II (B3)	4.32	4.43	
4		Dr. Saumya Singh	SWM (DLOC-I) (B3)	4.32	4.55	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	T.E. (A1)	Prof. D.M. Joshi	TRCS	3.65	4.28	More numerical examples to be solved for practice
2		Prof. Yugandhara Kasture	GE-I	3.9	4.48	Detailed explanation of experiments
3		Prof. Hemant Sarje	AH	3.85	4.08	Detailed explanation of experiments
4		Prof. Manoj Pillai	TRE-I	4.75	5.0	
5		Prof. Kiran Phadtare	ACT	3.96	4.08	Less questions in assignments
6		Prof. Suman Sharma	PCE	4.25	4.84	
1	T.E. (A2)	Prof. D.M. Joshi	TRCS	3.97	4.37	Detailed explanation of experiments
2		Prof. Yugandhara Kasture	GE-I	4.26	4.57	
3		Prof. Hemant Sarje	AH	4.05	4.5	
4		Prof. Manoj Pillai	TRE-I	4.49	4.8	
5		Prof. Kiran Phadtare	ACT	3.85	4.14	Less questions in assignments
6		Prof. Suman Sharma	PCE	4.31	4.08	
1	T.E. (A3)	Prof. D.M. Joshi	TRCS	3.75	3.96	More numerical examples to be solved for practice
2		Prof. Yugandhara Kasture	GE-I	3.92	4.16	Detailed explanation of experiments
3		Prof. Hemant Sarje	AH	3.85	3.93	Detailed explanation of experiments
4		Prof. Manoj Pillai	TRE-I	4.48	4.52	
5		Prof. Kiran Phadtare	ACT	4.02	4.04	
6		Prof. Suman Sharma	PCE	4.05	4.31	

Sr. No.	Class	Faculty Name	Subject	Score (out of 05)		Action Taken
				Feedback 1	Feedback 2	
1	T.E. (B1)	Prof. Shweta Motharkar	TRCS	4.5	4.49	
2		Prof. Manoj Pillai	GE-I	4.72	4.79	
3		Prof. Ashwini Bodkhe	AH	4.5	4.55	
4		Dr. Priyanka Rajput	TRE-I	4.42	4.37	
5		Prof. Shubhada Deshmukh	ACT	4.45	4.15	
6		Prof. Suman Sharma	PCE	4.32	4.05	
1	T.E. (B2)	Prof. Shweta Motharkar	TRCS	4.5	4.16	
2		Prof. Manoj Pillai	GE-I	4.60	4.65	
3		Prof. Ashwini Bodkhe	AH	4.44	4.33	
4		Dr. Priyanka Rajput	TRE-I	4.4	4.44	
5		Prof. Shubhada Deshmukh	ACT	4.42	3.85	
6		Prof. Suman Sharma	PCE	4.18	4.11	
1	T.E.	Prof. Shweta Motharkar	TRCS	4.05	4.51	

2	(B3)	Prof. Manoj Pillai	GE-I	4.25	4.64	
3		Prof. Ashwini Bodkhe	AH	4.25	4.58	
4		Dr. Priyanka Rajput	TRE-I	4.31	4.47	
5		Prof. Shubhada Deshmukh	ACT	4.18	4.31	
6		Prof. Suman Sharma	PCE	4.4	4.33	

Prof Rachel Gitty
(Academic Co-Ordinator)

Prof. Roshni John
(HOD)

Dr. S. M. Rangari
Academic Dean

Dr. Manjusha Deshmukh
(Principal)

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Kharghar, Navi Mumbai - 410 210.

DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2021 - 2022 (III SEM)

Summary of feedback (Semester 3):

All students of Semester III had given feedbacks for all the subjects which were collected through course exit forms. Those feedbacks were analysed and necessary actions were planned for effective teaching. Some suggestions obtained from the students are as follows.

- More Practice sessions for selected topics of EM III are required.
- Need expert lecture for up skilling courses in emerging Technologies
- Need additional practice sessions for AutoCAD with live projects.
- Require industry and field exposure for better understanding of application of various civil engineering.

Action Taken:

Based on suggestions, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Practice sessions for some topics of EM III are required	Extra classes were taken for EM III and remedial class for the needy students	As required
2	Need expert lecture for upskilling courses	Arranged expert video lectures through online platforms by CESA and organizedinter collegiate competitions	10/08/2021-14/08/2021
3.	Require more practice for AutoCAD.	Additional classes with hands on practice has been arranged	As required
4	Require industry and field exposure	Various construction activities	01/10/2021

	for better understanding.	have explained showing Videos and seminar arranged on skills in oil and gas industry(Off shore).	

HOD
(Civil)

Principal
(SCOE)

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Kharghar, Navi Mumbai - 410 210.

Department of Civil Engineering

Academic Year: 2021-22 (Odd)

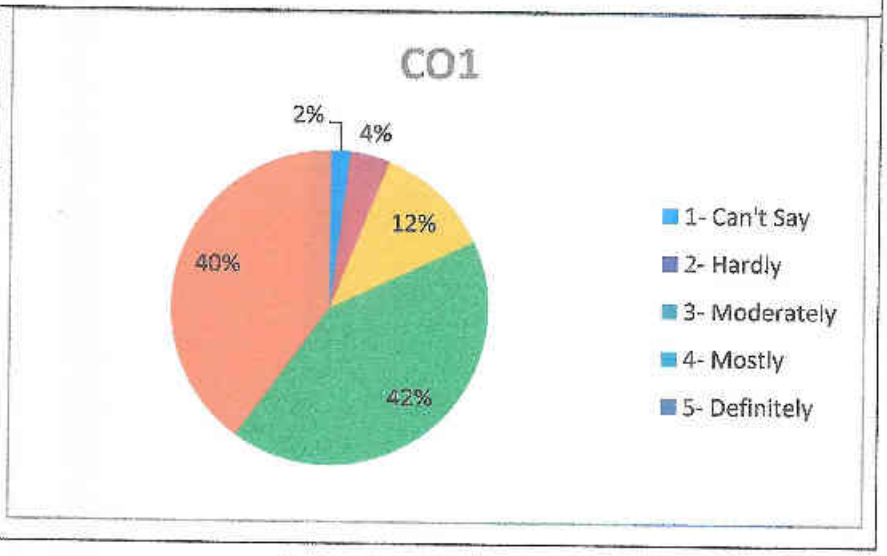
Course Exit Analysis Report (SEM III)

Subject –Architectural Planning & Design of Building LAB

Subject Teacher - Prof. Shanthi Selvam / Prof. Neha Chhangani

CO1: understand and apply the principles and code of practices for planning and designing of residential buildings along with details of building design and drawing.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	4	4
3- Moderately	12	12
4- Mostly	42	42
5- Definitely	40	40
Total	100	100



CO2: Learn how to apply professional act responsibly pertaining to the norms of building components design and drawing.

Score	No. of students	Percentage (%)
1- Can't Say	2	2
2- Hardly	2	2
3- Moderately	17	17
4- Mostly	42	42
5- Definitely	37	37
Total	100	100