



**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

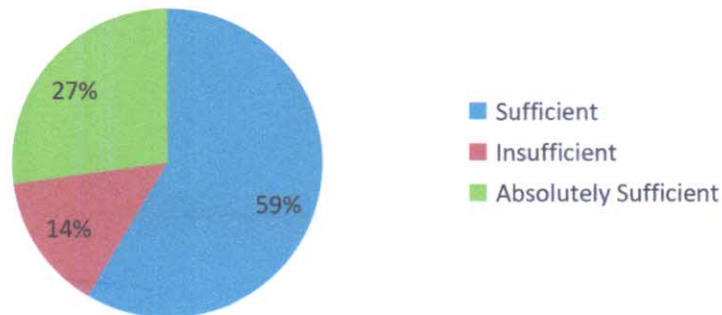
**Course Exit Analysis Report (SEM III)**

**Subject – Strength of Material**

**Subject Teacher - Prof. Harshal Deshpande / D M Joshi / Molly Mathew**

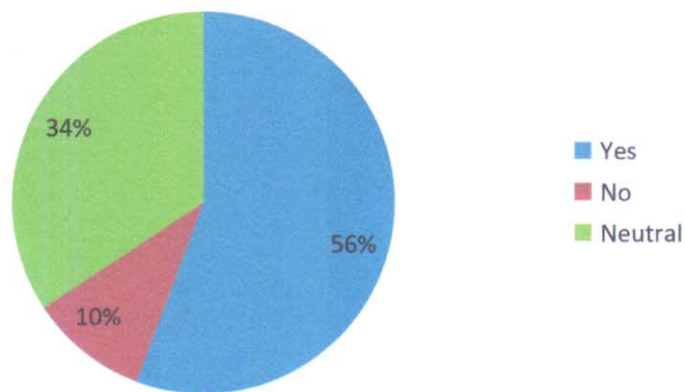
**CO-1: On what scale, contents learned in practical/Theory hours are sufficient to understand course?**

**CO 1**



**CO-2: Are you interested to study advanced contents of this subject?**

**CO 2**





**Department of Civil Engineering**

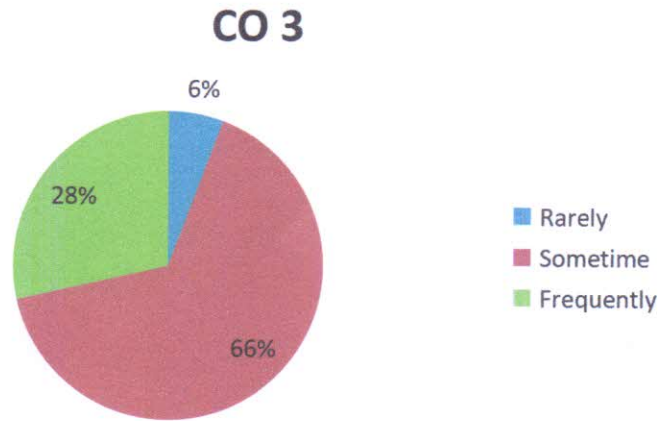
**Academic Year: 2019-20 (Odd)**

**Course Exit Analysis Report (SEM III)**

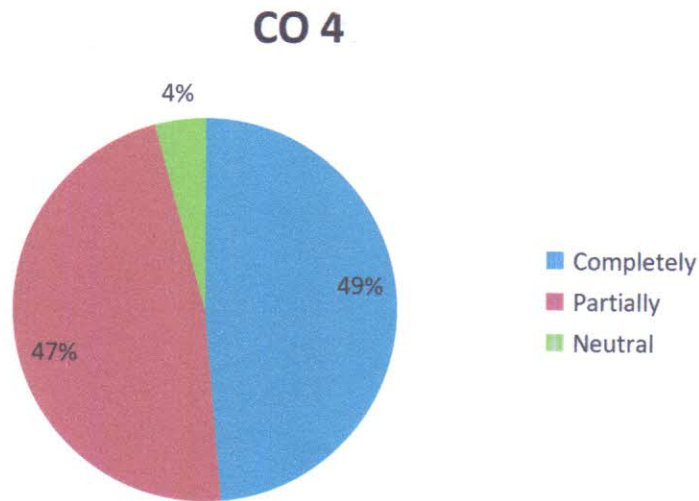
**Subject – Strength of Material**

**Subject Teacher - Prof. Harshal Deshpande / D M Joshi / Molly Mathew**

**CO-3: Have You Understood All the Practical Applications of Laboratory Tests Conducted in Subject?**



**CO-4: Are You Able to Understand Bending Stresses, Shear Stresses and Torsion of Shafts?**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

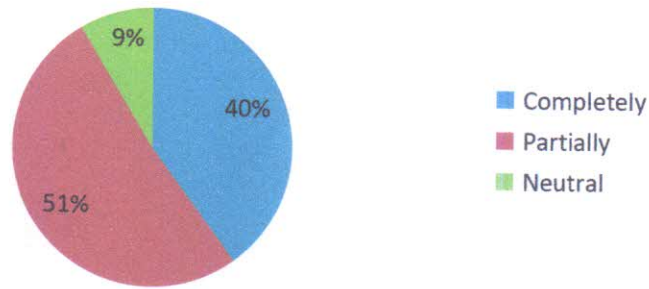
**Course Exit Analysis Report (SEM III)**

**Subject – Strength of Material**

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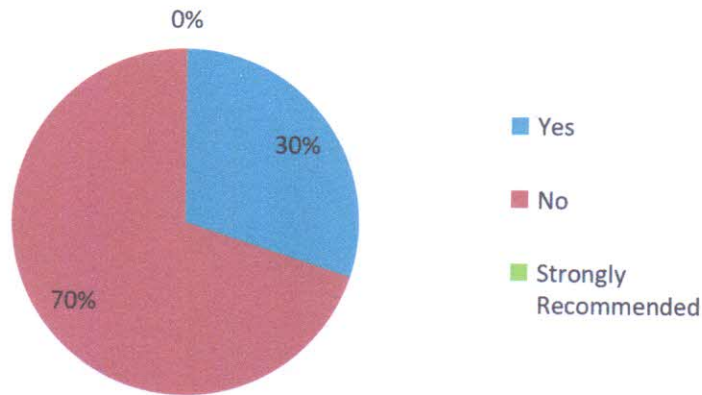
**CO-5: Are You Able to Understood Importance of Concepts of Principal Stresses and Direct and Bending Stresses in Civil Engineering?**

**CO 5**



**CO-6: Do you think syllabus needs revision? If yes which topic do you think should be included in syllabus?**

**CO 6**



HOD (Civil)

Principal (SCOE)



**Department of Civil Engineering**

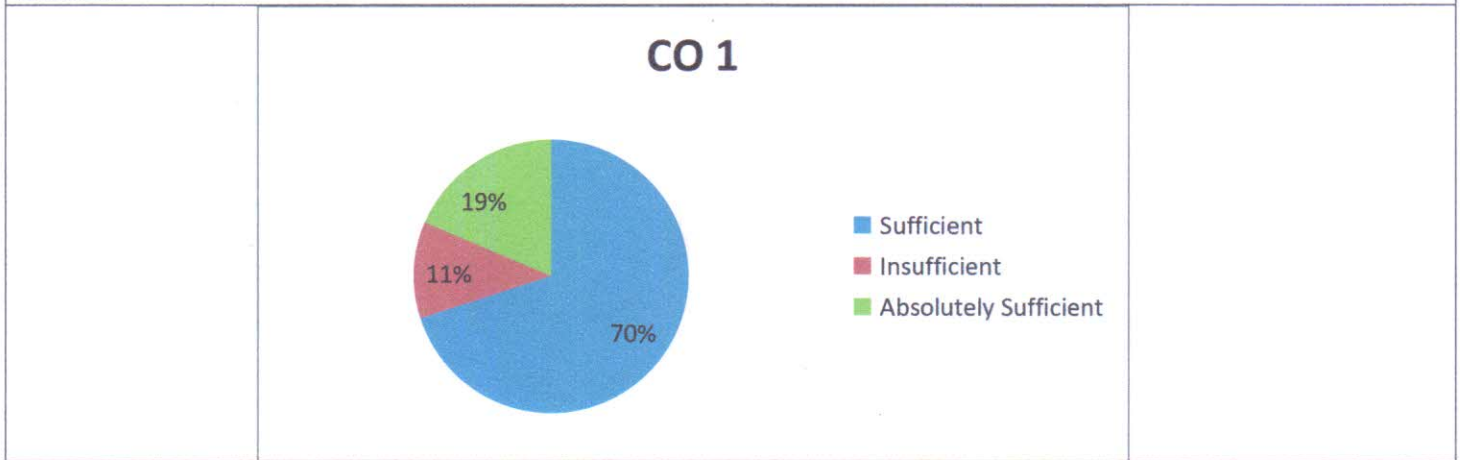
**Academic Year: 2019-20 (Odd)**

**Course Exit Analysis Report (SEM III)**

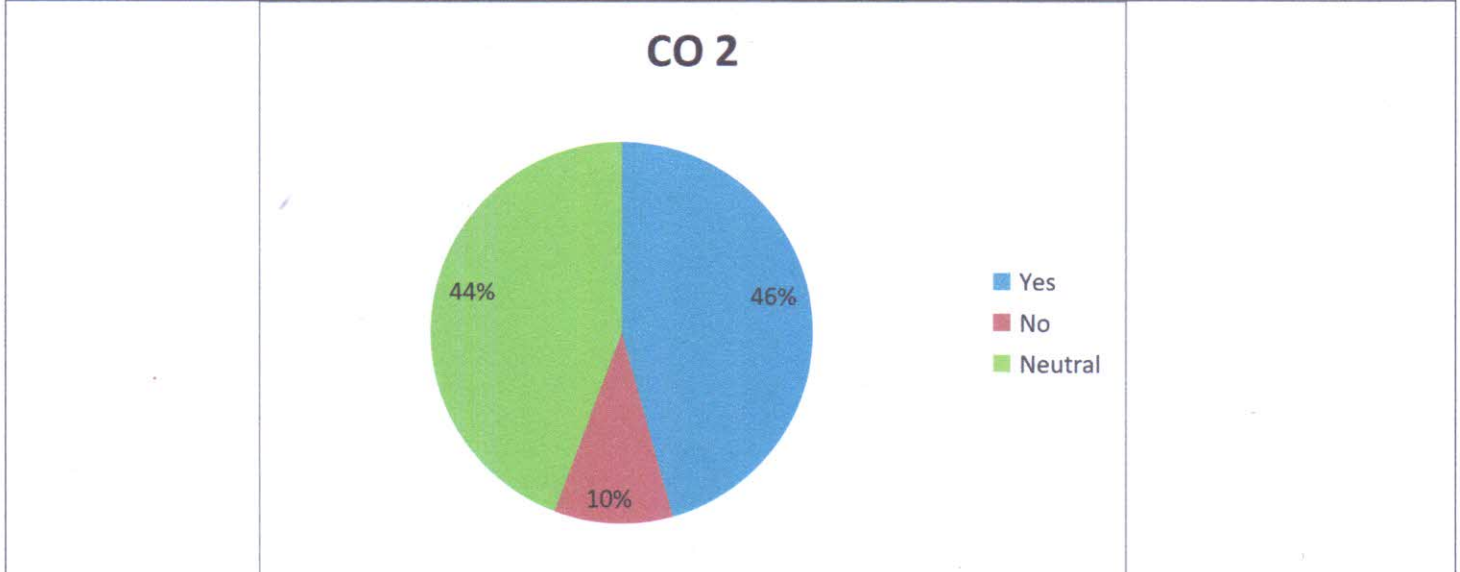
**Subject – Fluid Mechanics- I**

**Subject Teacher - Prof. Pooja Somani / Nilima Shende**

**CO-1: On what scale, contents learned in practical/Theory hours are sufficient to understand course?**



**CO-2: Are you interested to study advanced contents of this subject?**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

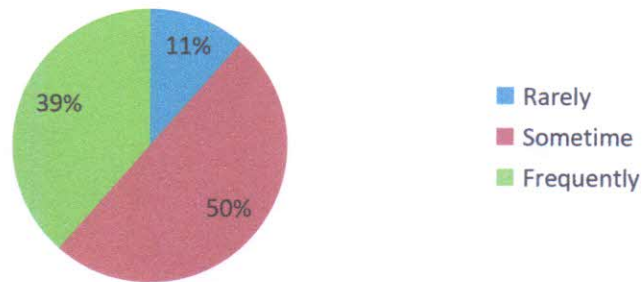
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**Subject – Fluid Mechanics- I**

**Subject Teacher - Prof. Pooja Somani / Nilima Shende**

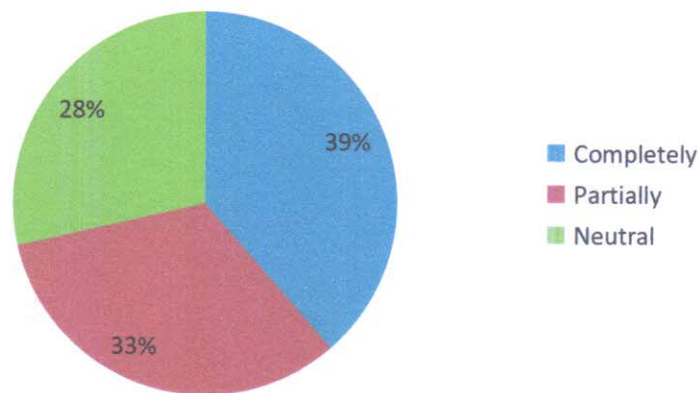
**CO-3: Are you able to understand the properties of fluids and Interpretation of pressure measurement?**

**CO 3**



**CO-4: Have you understood the force buoyancy on partially or fully submerged body?**

**CO 4**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

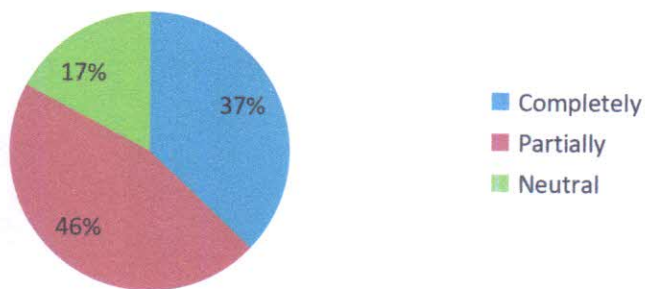
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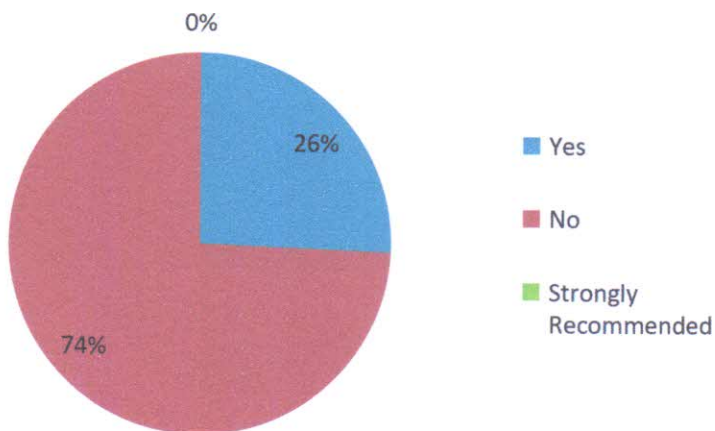
**CO-5: Are you able to derive Euler's equation and deduce Bernoulli's Equation and to measure velocity and rate of flow using various devices?**

**CO 5**



**CO-6: Do you think syllabus needs revision? If yes which topic do you think should be included in syllabus?**

**CO 6**



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**DEPARTMENT OF CIVIL ENGINEERING**  
**Action taken based on feedback from students**  
**Academic year 2019-20 -ODD-**

**Summary of feedback (Semester 3):**

Feedbacks collected through course exit forms were analysed and necessary actions were planned for effective teaching. Abstract of suggestions obtained from the stake holders to enhance the employability of the student are discussed below.

- More clarity on concepts for Fluid Mechanics-I
- Need awareness about the latest technologies in MOS.
- More numerical problems in FM-I and MOS
- Need animated videos for better understanding.

**Action Taken:**

Based on suggestions, various events are organized. Events are selected such that it will be beneficial for their career. Details of events organized at Institutional and Department level are mentioned below.

Sl No.	Feedback / Suggestions	Actions Taken	Date
1	latest technologies and practices in industry	Shared information of advanced structural analysis tools (STAAD Pro) used in the Industry.	As required

2	Teaching aids	Shared animated videos on buoyancy and floatation, orifices and mouthpieces for better understanding	As required
3.	More practice problems for FM-I	Extra classes were taken for FM-I	As required
4	More practice problems for Strength of materials	Extra classes were taken for SOM	As required
5	More practice problems for EM -III	Extra classes were taken	As required

  
HOD

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**Department of Civil Engineering Academic Year: 2019-20 (Even)**

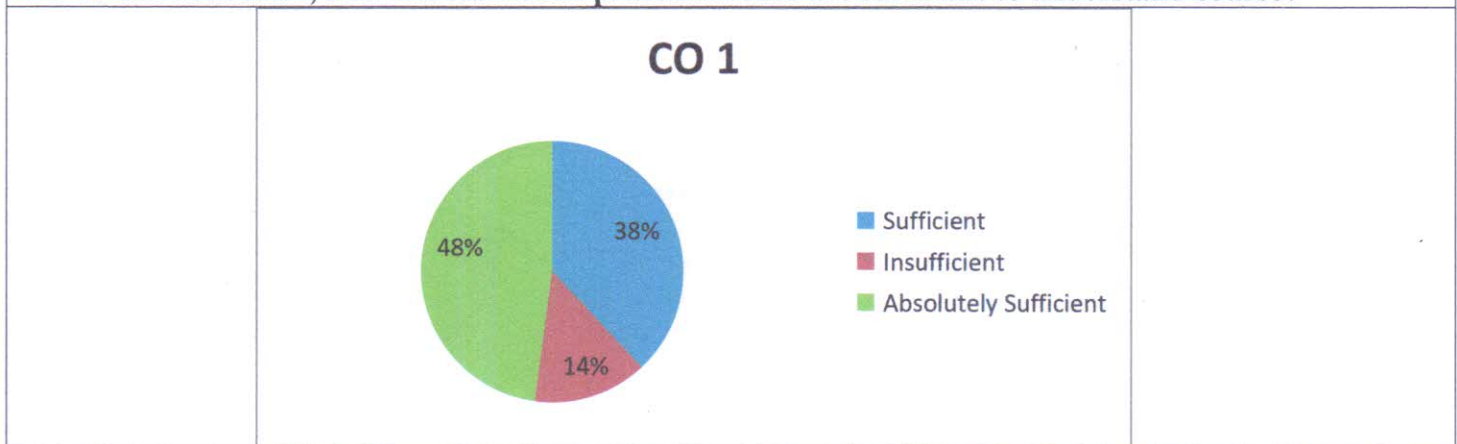
**Course Exit Analysis Report (SEM IV)**

**Subject – Surveying-II**

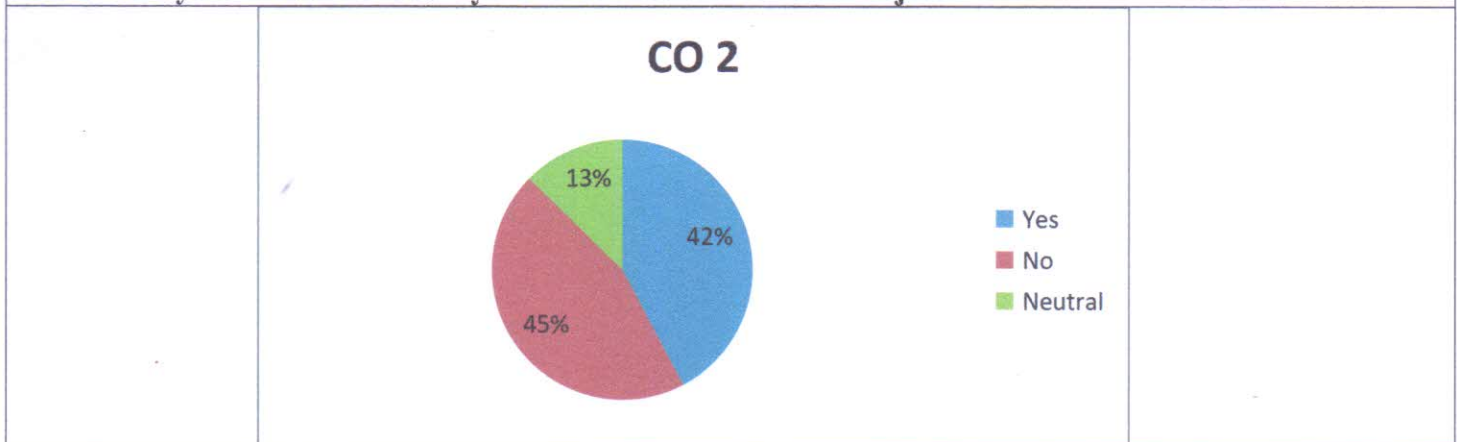
**Subject Teacher (Div-A&B) – Prof. Rachel Gitty / D M Joshi / Shanthi Selvam / Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Rajesh Ingole**

**CO-1: On what scale, contents learned in practical hours are sufficient to understand course?**



**CO-2: Are you interested to study advanced contents of this subject?**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

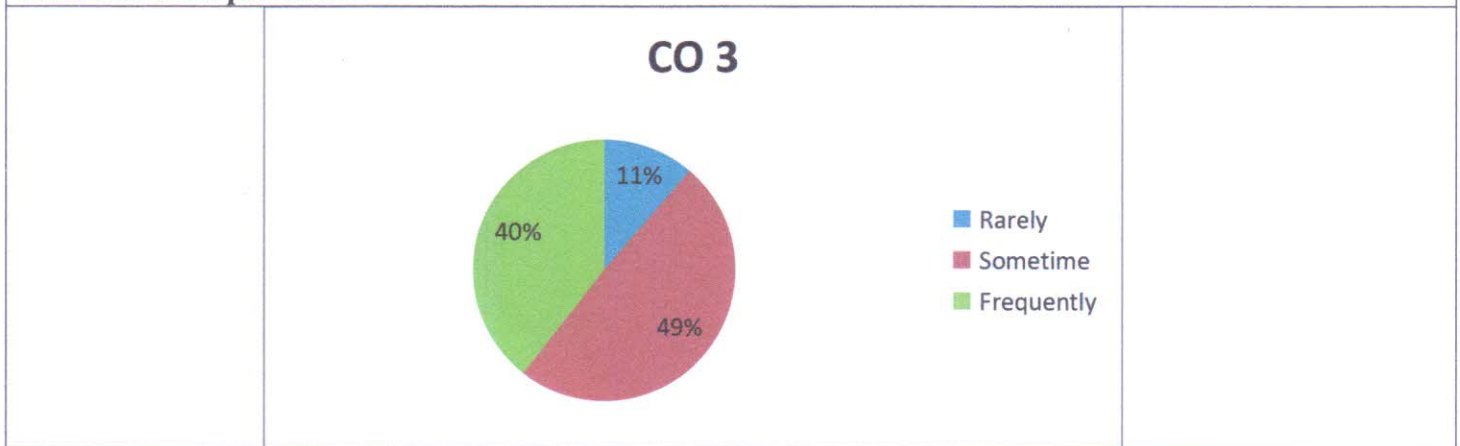
**Course Exit Analysis Report (SEM IV)**

**Subject – Surveying-II**

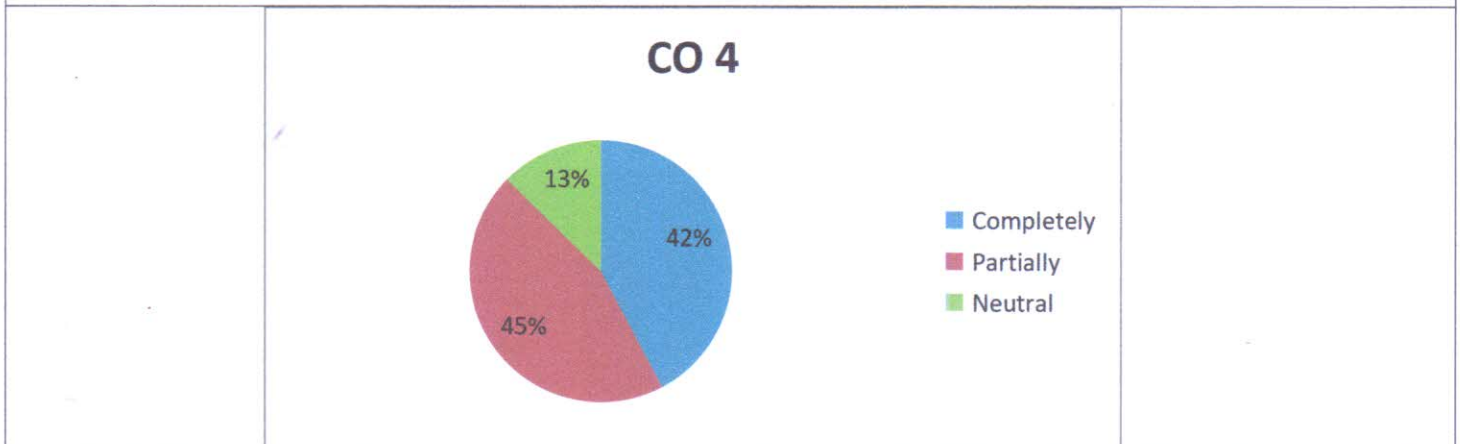
**Subject Teacher (Div-A&B) – Prof. Rachel Gitty / D M Joshi / Shanthi Selvam / Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Rajesh Ingole**

**CO-3: Do you believe you will be able to apply knowledge gained in this course in industry to solve real time problem?**



**CO-4: Determine the horizontal and vertical control, setting out a foundation plans with theodolite.**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

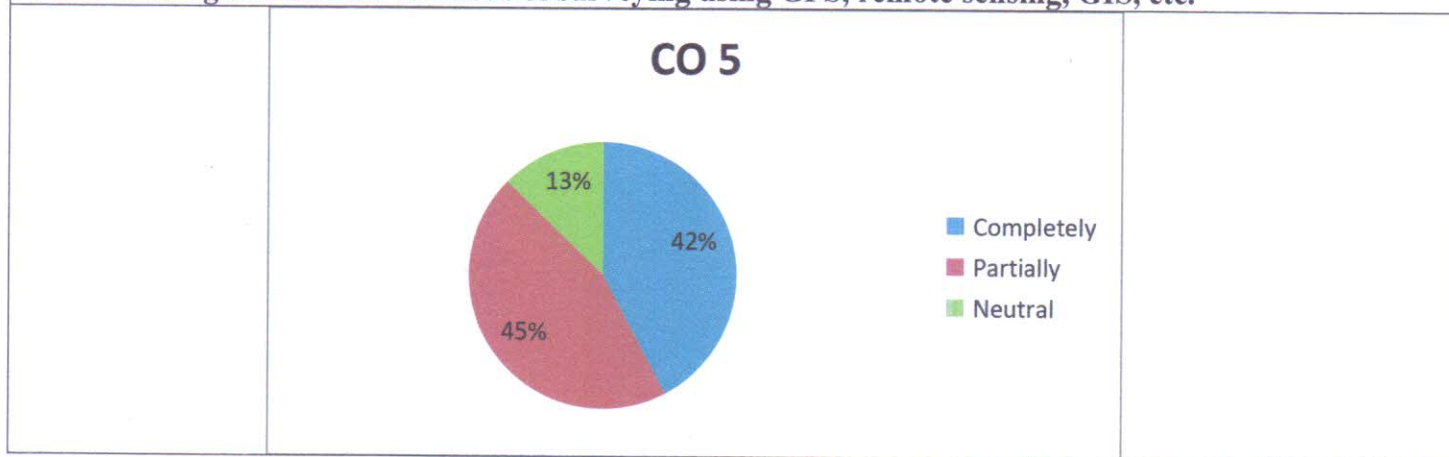
**Course Exit Analysis Report (SEM IV)**

**Subject – Surveying-II**

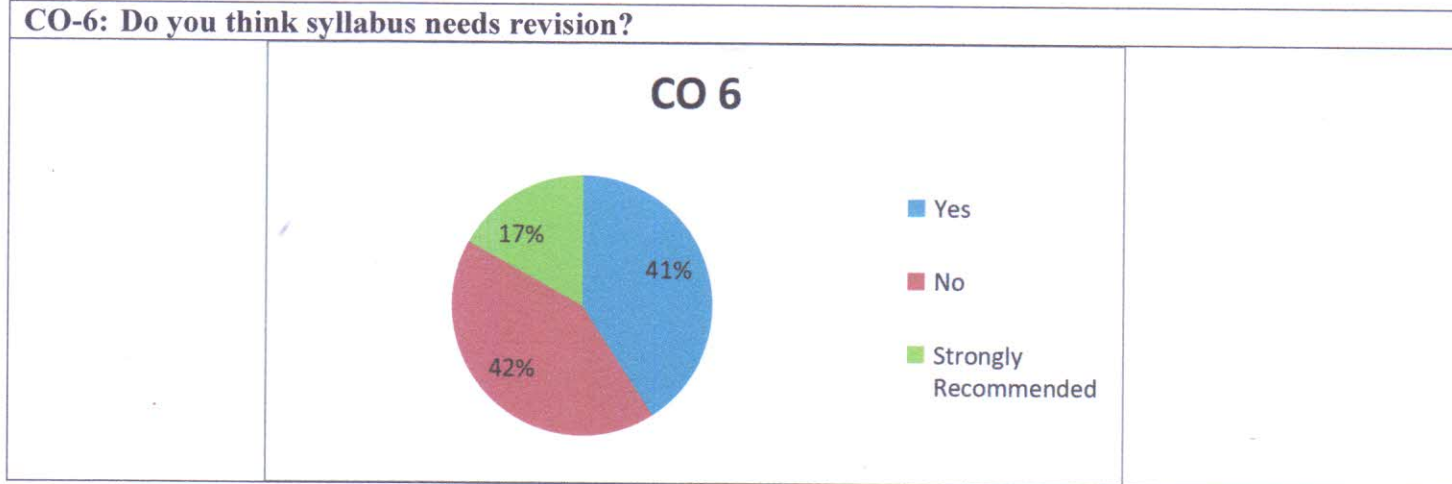
**Subject Teacher (Div-A&B) – Prof. Rachel Gitty / D M Joshi / Shanthi Selvam / Manoj Pillai**


**Subject Teacher (Div-C) - Prof. Rajesh Ingole**

**CO-5: Distinguish modern methods of surveying using GPS, remote sensing, GIS, etc.**



**CO-6: Do you think syllabus needs revision?**



  
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**Department of Civil Engineering Academic Year: 2019-20 (Even)**

**Course Exit Analysis Report (SEM IV)**

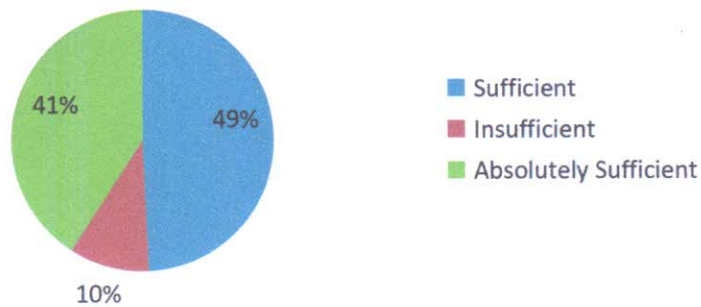
**Subject – Structural Analysis-I**

**Subject Teacher (Div-A&B) – Prof. Shweta Motharkar / Molley Mathew / D M Joshi / Varsha Patil**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande**

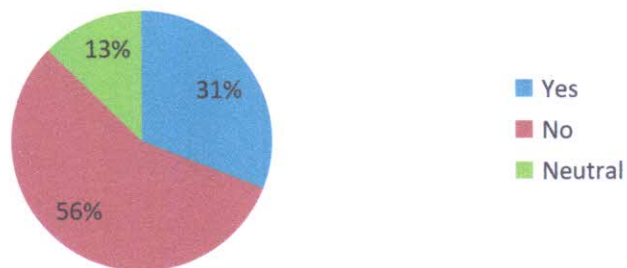
**CO-1: On what scale, contents learned in practical hours are sufficient to understand course?**

**CO 1**



**CO-2: Are you interested to study advanced contents of this subject?**

**CO 2**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

**Course Exit Analysis Report (SEM IV)**

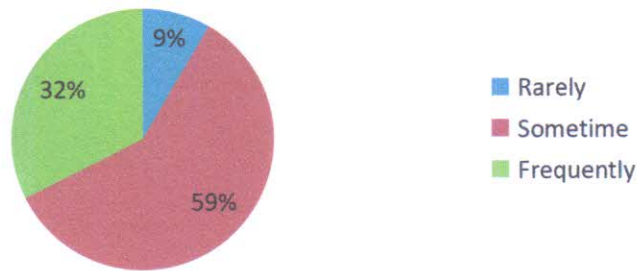
**Subject – Structural Analysis-I**

**Subject Teacher (Div-A&B) – Prof. Shweta Motharkar / Molley Mathew / D M Joshi / Varsha Patil**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande**

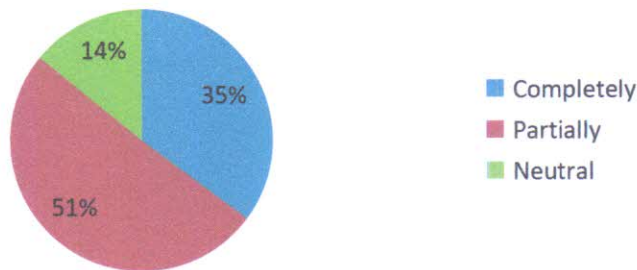
**CO-3: Do you believe you will be able to apply knowledge gained in this course in industry to solve real time problem?**

**CO 3**



**CO-4: Identify structures like hinged arches, cable and suspension bridges and girders.**

**CO 4**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

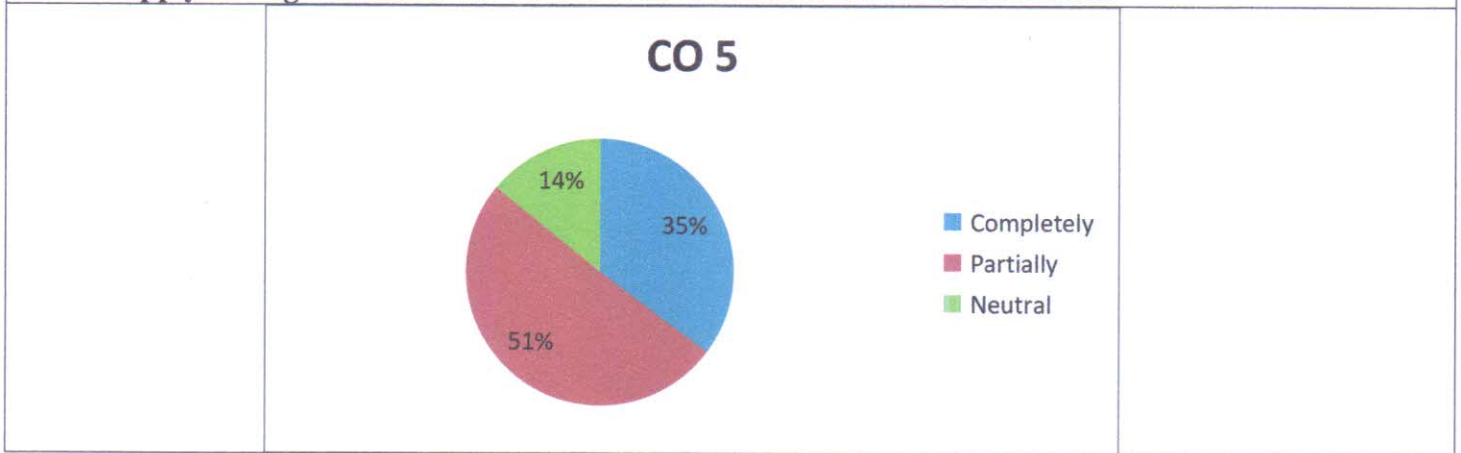
**Course Exit Analysis Report (SEM IV)**

**Subject – Structural Analysis-I**

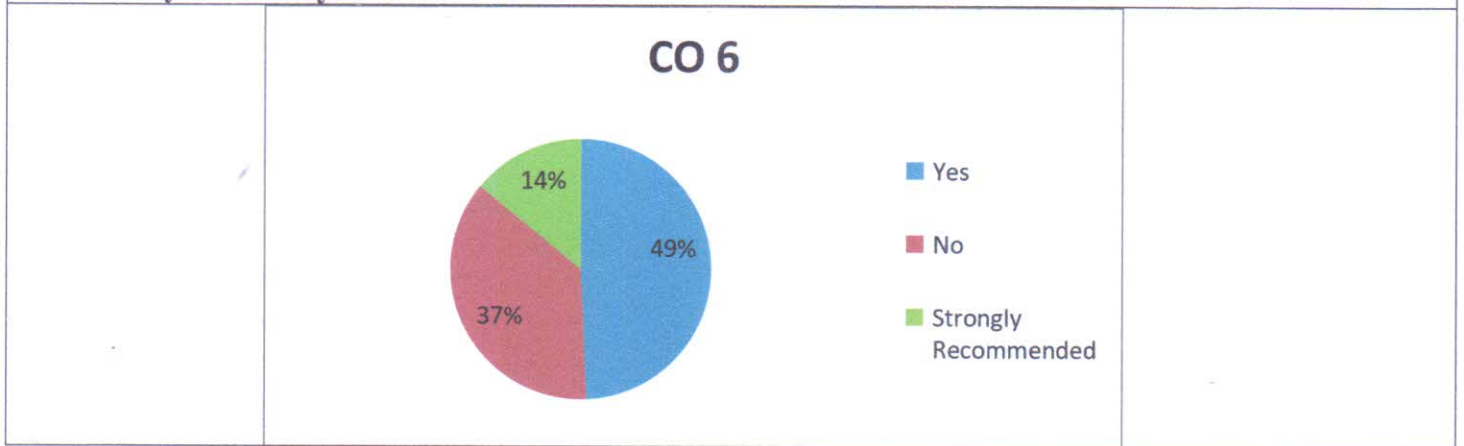
**Subject Teacher (Div-A&B) – Prof. Shweta Motharkar / Molley Mathew / D M Joshi / Varsha Patil**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande**

**CO-5: Apply rolling loads over beams and trusses in order to find the reactions.**

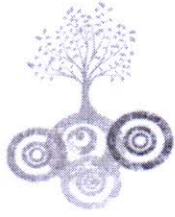


**CO-6: Do you think syllabus needs revision?**



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**DEPARTMENT OF CIVIL ENGINEERING**  
**Action taken based on feedback from students**  
**Academic year 2019 - 2020 -EVEN**

**Summary of feedback Semester 4:**

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.

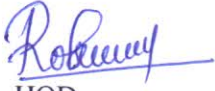
- Revision lectures for Laplace, Sampling theory and Fourier series in AM IV.
- Modern techniques and modern equipments used in the Surveying should be included in the syllabus.
- Require more lectures of slope deflection methods, Strain energy method and Unsymmetrical bending.
- There should be more practical and site visits than theoretical knowledge.

**Action Taken:**

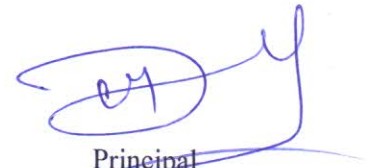
Based on student feedbacks, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Revision lectures for Laplace, Sampling theory and Fourier series in AM IV.	Extra classes were taken for AM IV	As required
2	Modern techniques and modern equipments used in the Surveying should be included in the syllabus.	Due to Pandemic situation, extra Guest Lecture on advancement in the field of Surveying organised in online mode.	As required
3.	Require more lectures of slope deflection methods, Strain energy method and	Arranged some remedial lectures for Structural	As required

	Unsymmetrical bending.	Analysis	
4	There should be more practical and site visits than theoretical knowledge.	Arranged Survey Camp.	2 <sup>nd</sup> – 6 <sup>th</sup> March 2020

  
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Principal

SCOE





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

**Course Exit Analysis Report (SEM V)**

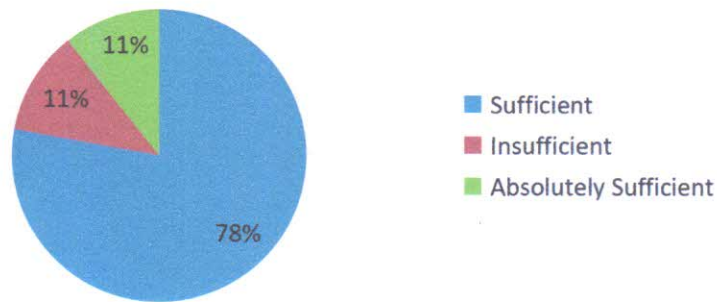
**Subject – Geotechnical Engineering-I**

**Subject Teacher (Div-A & B) - Prof. Yugandhara Kasture & Prof. Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Sanjay Singh**

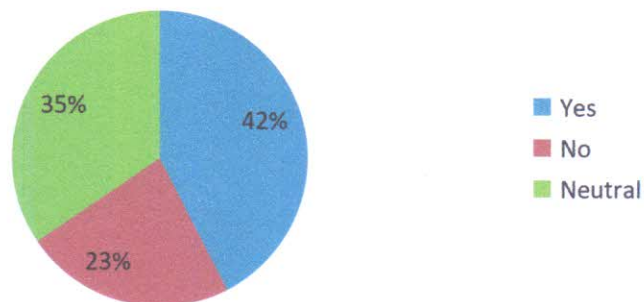
**CO-1: On what scale, contents learned in practical hours are sufficient to understand course?**

**CO 1**



**CO-2: Are you interested to study advanced contents of this subject?**

**CO 2**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

**Course Exit Analysis Report (SEM V)**

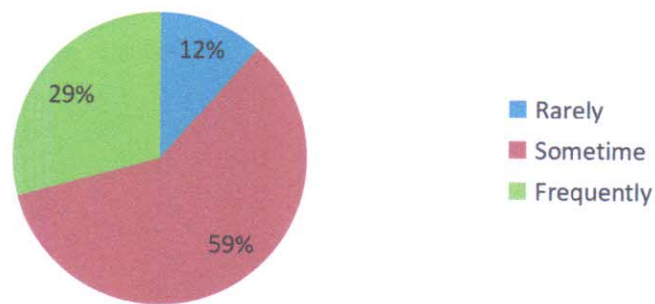
**Subject – Geotechnical Engineering-I**

**Subject Teacher (Div-A & B) - Prof. Yugandhara Kasture & Prof. Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Sanjay Singh**

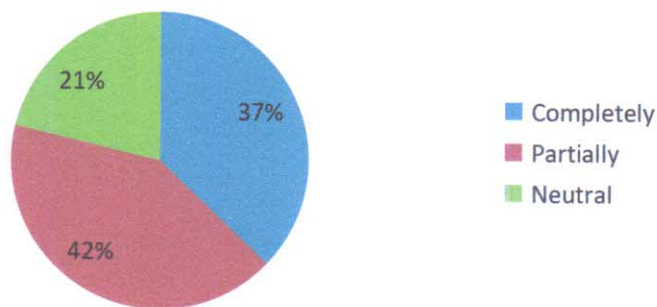
**CO-3: Do you believe you will be able to apply knowledge gained in this course in industry to solve real time problem?**

**CO 3**



**CO-4: Have you understood the force buoyancy on partially or fully submerged body?**

**CO 4**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

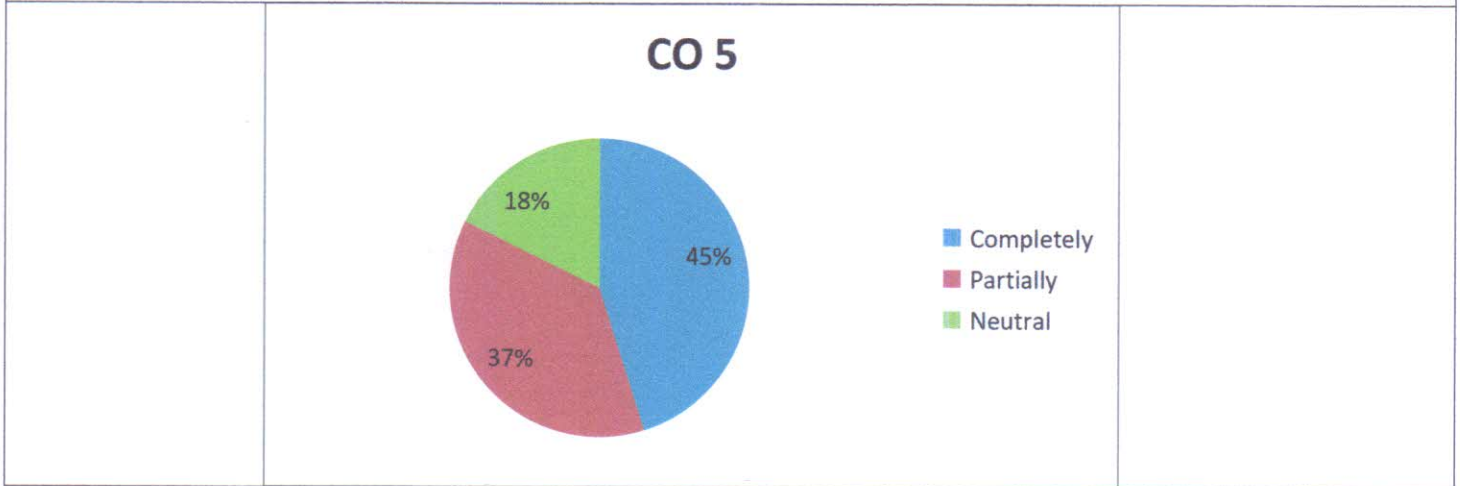
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**Subject – Geotechnical Engineering-I**

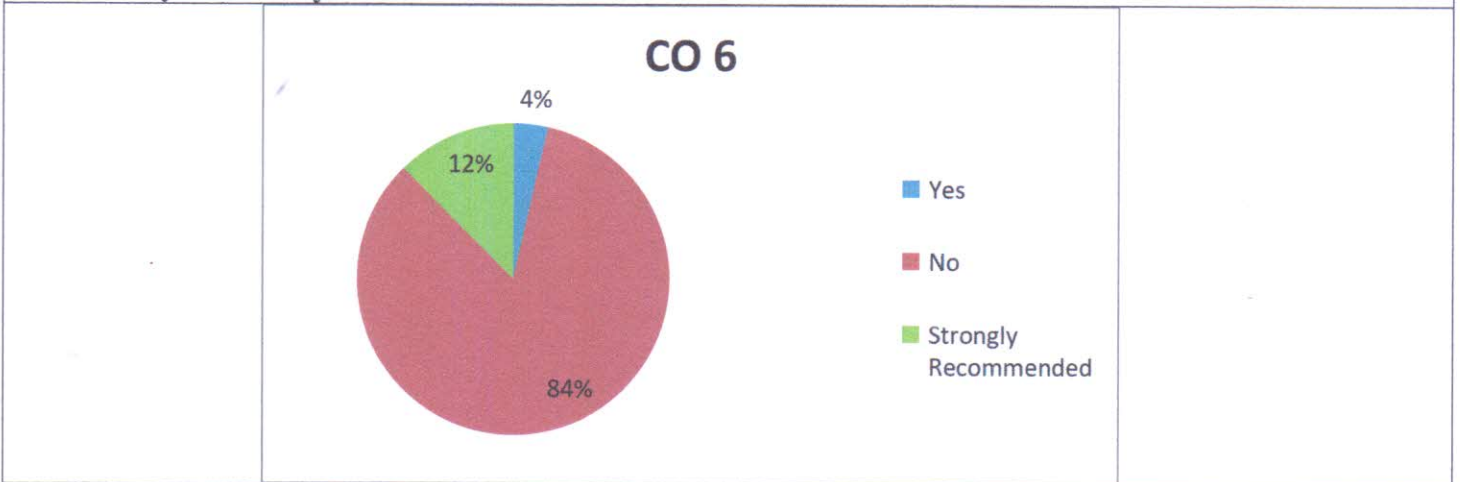
**Subject Teacher (Div-A & B) - Prof. Yugandhara Kasture & Prof. Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Sanjay Singh**

**CO-5: Are you able to identify different types of flows and the mathematical relationships between them?**



**CO-6: Do you think syllabus needs revision?**



HOD (Civil)

Principal (SCOE)



**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

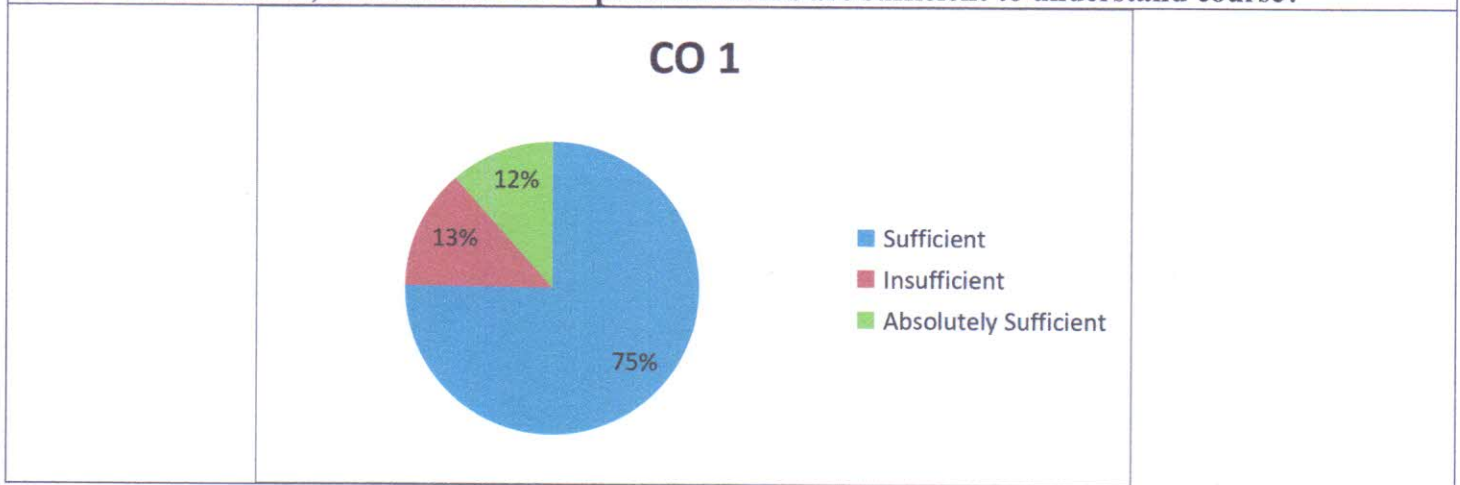
**Course Exit Analysis Report (SEM V)**

**Subject – Structural Analysis-II**

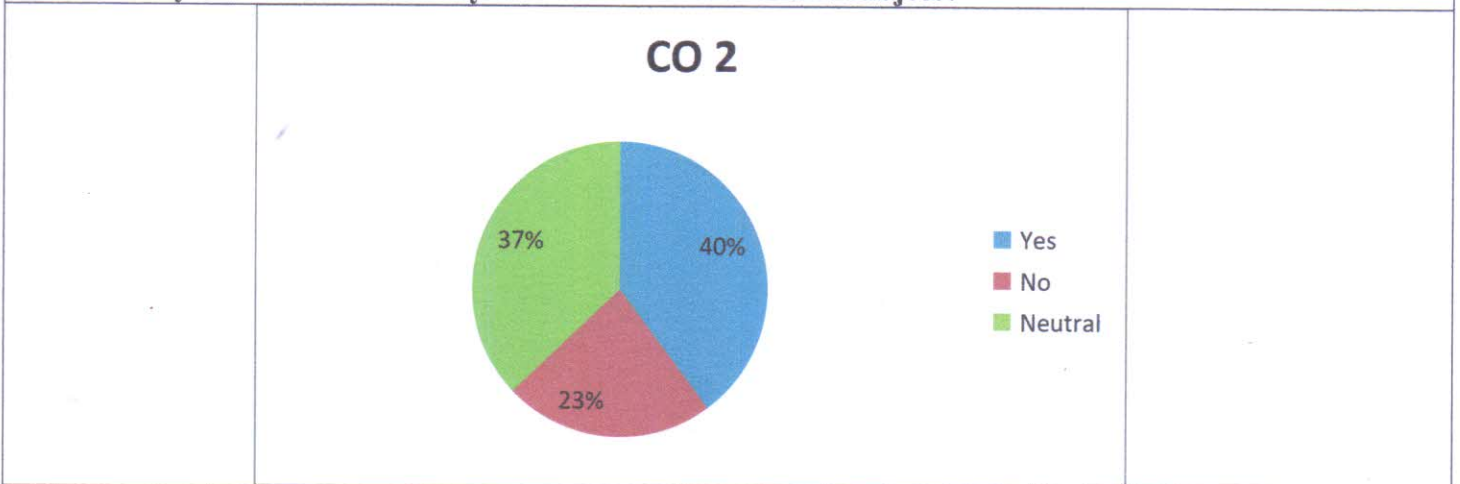
**Subject Teacher (Div-A & B) - Prof. Harshal Deshpande & Prof. D. R. Suroshe**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande & Prof. D. M. Joshi**

**CO-1: On what scale, contents learned in practical hours are sufficient to understand course?**



**CO-2: Are you interested to study advanced contents of this subject?**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

**Course Exit Analysis Report (SEM V)**

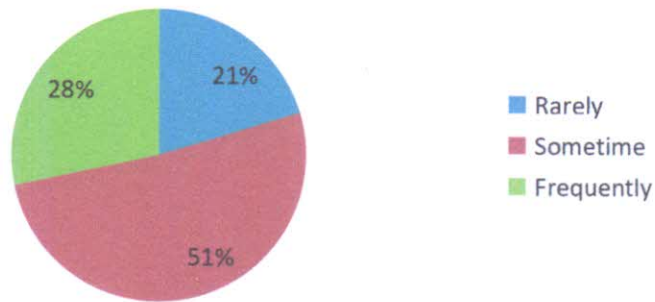
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**Subject Teacher (Div-A & B) - Prof. Harshal Deshpande & Prof. D. R. Suroshe**

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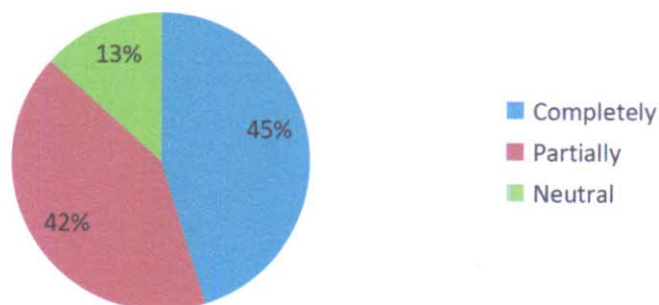
**CO-3: Do you believe you will be able to apply knowledge gained in this course in industry to solve real time problem?**

**CO 3**



**CO-4: Have you understood the concepts of static and kinematic indeterminacy of structure, deflection of statically determinate structures and the concept of plastic analysis of steel structures?**

**CO 4**





**Department of Civil Engineering**

**Academic Year: 2019-20 (Odd)**

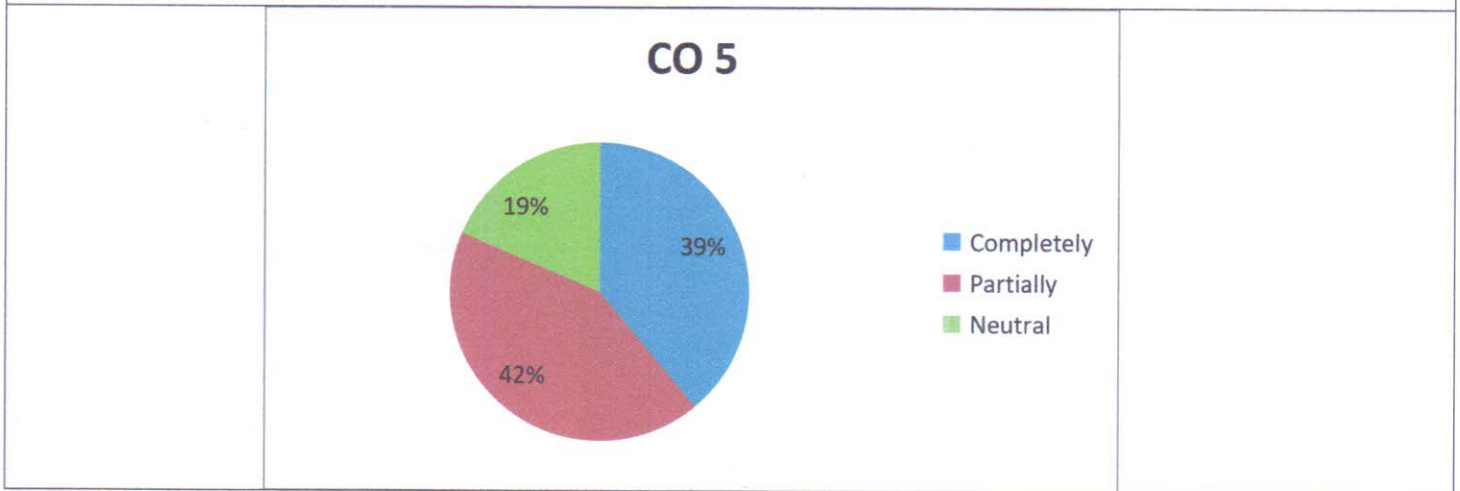
**Course Exit Analysis Report (SEM V)**

**Subject – Structural Analysis-II**

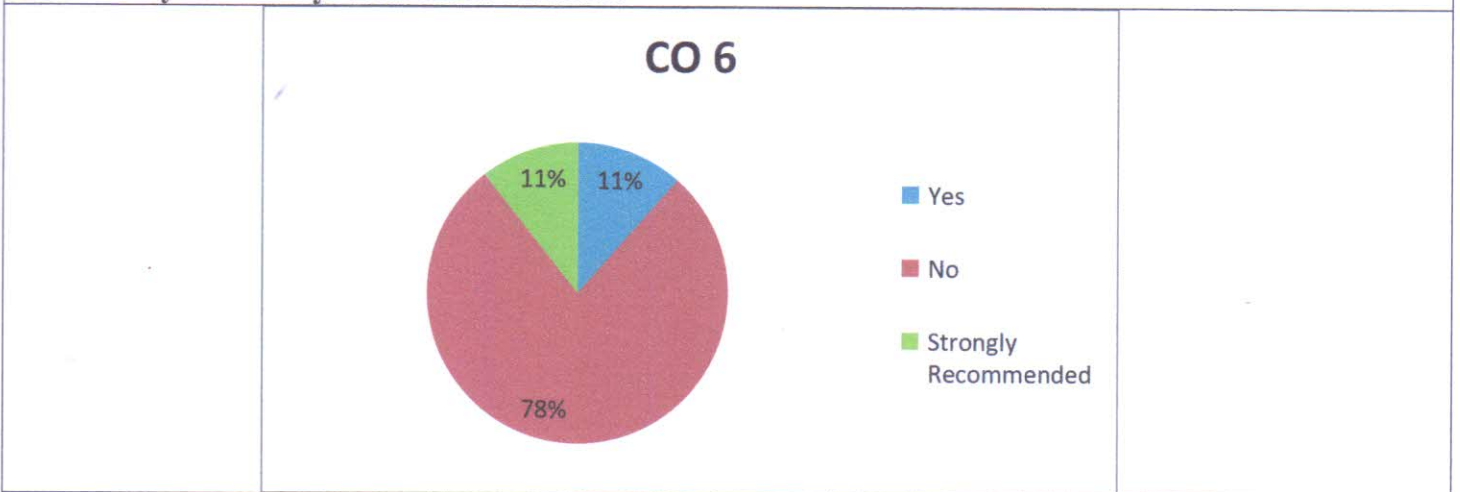
**Subject Teacher (Div-A & B) - Prof. Harshal Deshpande & Prof. D. R. Suroshe**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande & Prof. D. M. Joshi**

**CO-5: Are you able to understand the analysis of indeterminant structures by using force and displacement methods and also the concept of approximate method for analysis of building frames?**



**CO-6: Do you think syllabus needs revision?**



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**DEPARTMENT OF CIVIL ENGINEERING**  
**Action taken based on feedback from students**  
**Academic year 2019-20 -ODD**

**Summary of feedback (Semester 5):**


Feedbacks collected from students are analysed and implemented necessary actions for preparing the students to cope up with the present requirements in Industry. Abstract of suggestions obtained to enhance the employability of the student are discussed below.

- Environmental Engineering numerical are tough such as slow and rapid sand filter.
- To study modern techniques are necessary.
- As per ACT subject concept to be cleared.
- Numerical on TRCS are tough.

**Action Taken:**

Various events are planned based on suggestions made to close the knowledge gap between the curriculum and the practises currently used in industry. Events are chosen so that they will be advantageous for their career as "Civil Engineers." Below are specifics about events planned at the departmental and institutional levels.

Sr no.	Suggestions	Action taken	Date
1	Environmental Engineering numerical are tough such as slow and rapid sand filter.	More practice is taken on numerical. The exact steps are explained.	14/7/19
2	Soft skill training is required	Soft skill And Personality Development program	29/7/19 2/8/19
3	ACT subject concept to be cleared.	Images working and concept are cleared with the help of presentation.	20/9/19
4	Numerical on TRCS are tough.	Extra practice is taken on numerical by solving in class as well as some in tutorials.	18/10/19

  
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Civil Engg. Dept



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SCOE





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

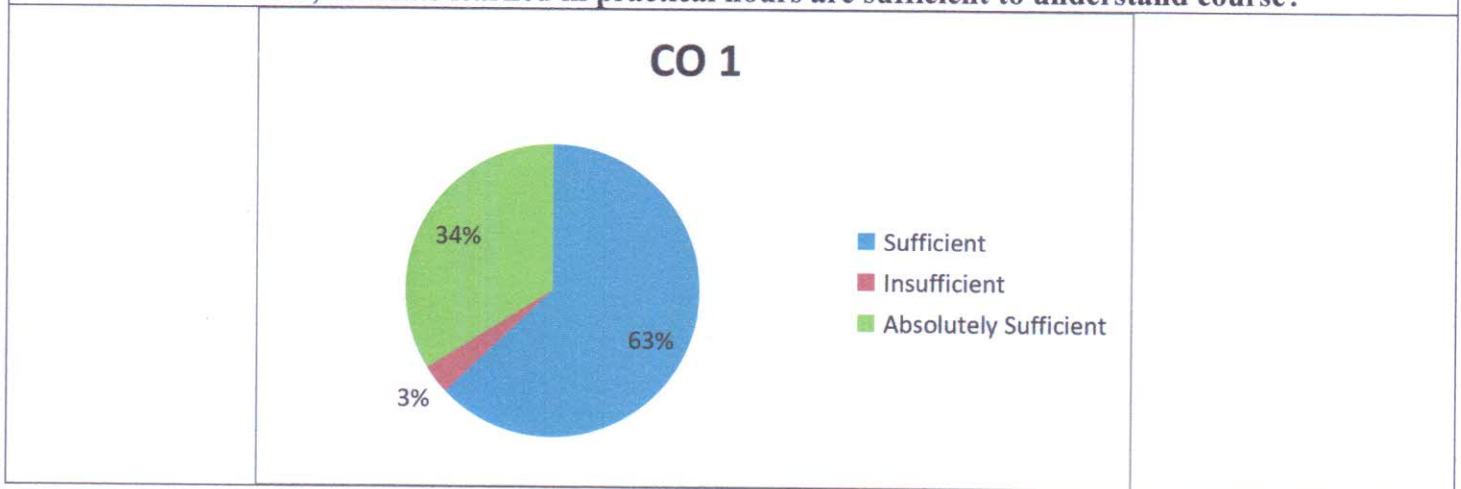
**Course Exit Analysis Report (SEM VI)**

**Subject –Geotechnical Engineering-II**

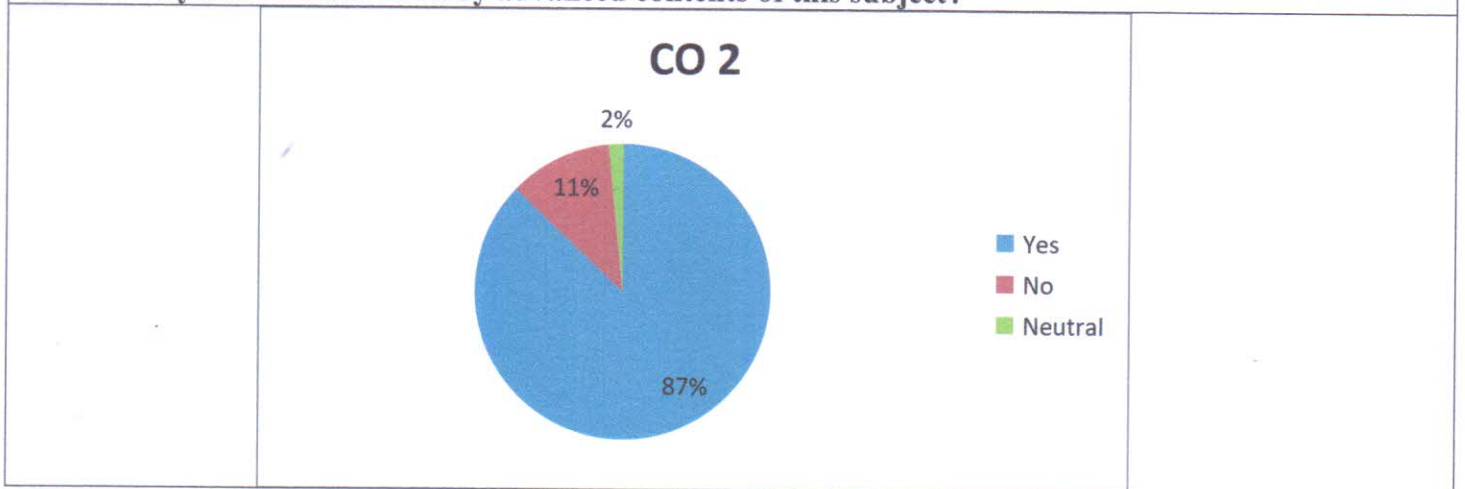
**Subject Teacher (Div-A&B) – Prof. Yugandhar Kasture / Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Sanjay Singh**

**CO-1: On what scale, contents learned in practical hours are sufficient to understand course?**



**CO-2: Are you interested to study advanced contents of this subject?**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

**Course Exit Analysis Report (SEM VI)**

**Subject –Geotechnical Engineering-II**

**Subject Teacher (Div-A&B) – Prof. Yugandhar Kasture / Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Sanjay Singh**

<b>CO-3: Do you believe you will be able to apply knowledge gained in this course in industry to solve real time problem?</b>										
	<p style="text-align: center;"><b>CO 3</b></p> <table border="1"><caption>CO 3 Data</caption><thead><tr><th>Response</th><th>Percentage</th></tr></thead><tbody><tr><td>Rarely</td><td>0%</td></tr><tr><td>Sometime</td><td>11%</td></tr><tr><td>Frequently</td><td>89%</td></tr></tbody></table>	Response	Percentage	Rarely	0%	Sometime	11%	Frequently	89%	
Response	Percentage									
Rarely	0%									
Sometime	11%									
Frequently	89%									

<b>CO-4: Extend the conduits and calculate the load carried by the struts of a braced cut under various soil conditions.</b>										
	<p style="text-align: center;"><b>CO 4</b></p> <table border="1"><caption>CO 4 Data</caption><thead><tr><th>Response</th><th>Percentage</th></tr></thead><tbody><tr><td>Completely</td><td>32%</td></tr><tr><td>Partially</td><td>68%</td></tr><tr><td>Neutral</td><td>0%</td></tr></tbody></table>	Response	Percentage	Completely	32%	Partially	68%	Neutral	0%	
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Completely	32%									
Partially	68%									
Neutral	0%									



**Department of Civil Engineering Academic Year: 2019-20 (Even)**

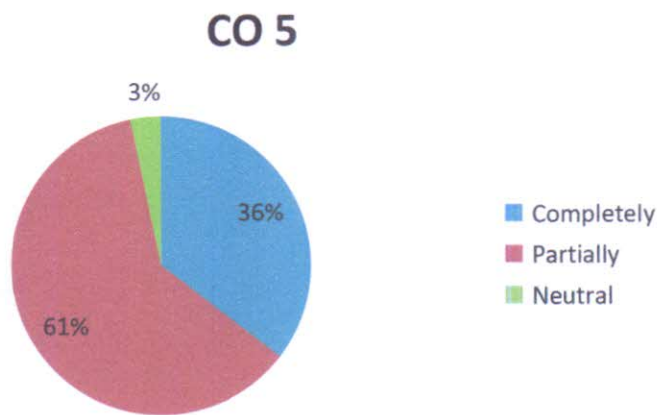
**Course Exit Analysis Report (SEM VI)**

**Subject –Geotechnical Engineering-II**

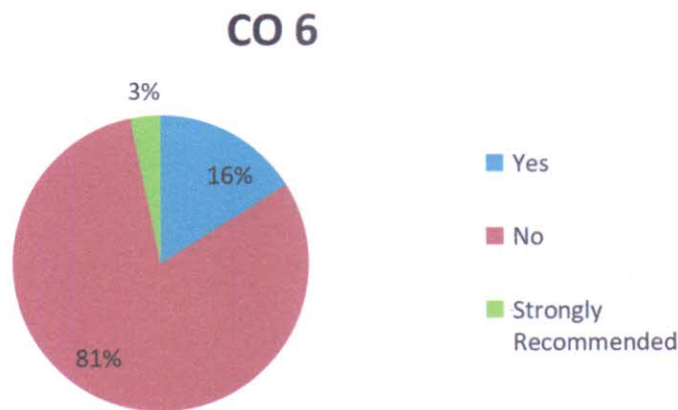
**Subject Teacher (Div-A&B) – Prof. Yugandhar Kasture / Manoj Pillai**

**Subject Teacher (Div-C) - Prof. Sanjay Singh**

**CO-5: Differentiate the factors of safety of different types of slopes under various soil conditions and infer the stability of slopes, retaining walls & lateral earth pressures.**



**CO-6: Do you think syllabus needs revision?**



HOD (Civil)

Principal (SCOE)



**Department of Civil Engineering Academic Year: 2019-20 (Even)**

**Course Exit Analysis Report (SEM VI)**

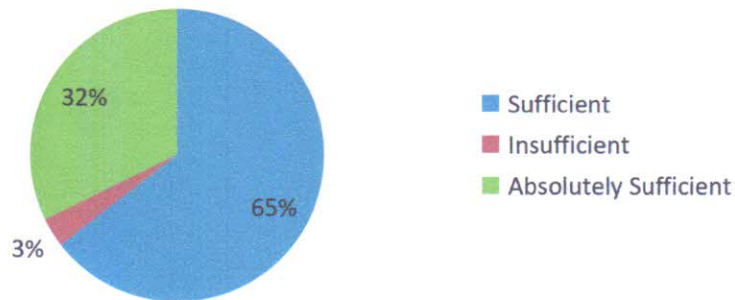
**Subject –Design & Drawing of Steel Structures**

**Subject Teacher (Div-A&B) – Prof. D M Joshi / Shiekh Irfan / Harshal Deshpande**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande**

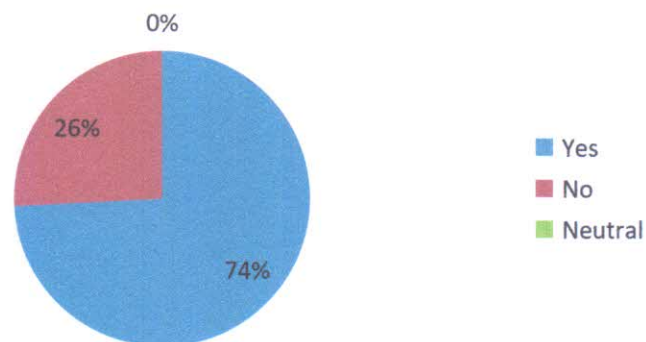
**CO-1: On what scale, contents learned in practical hours are sufficient to understand course?**

**CO 1**



**CO-2: Are you interested to study advanced contents of this subject?**

**CO 2**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

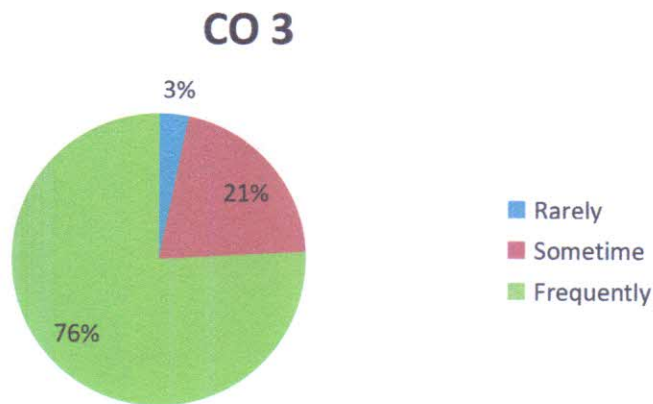
**Course Exit Analysis Report (SEM VI)**

**Subject –Design & Drawing of Steel Structures**

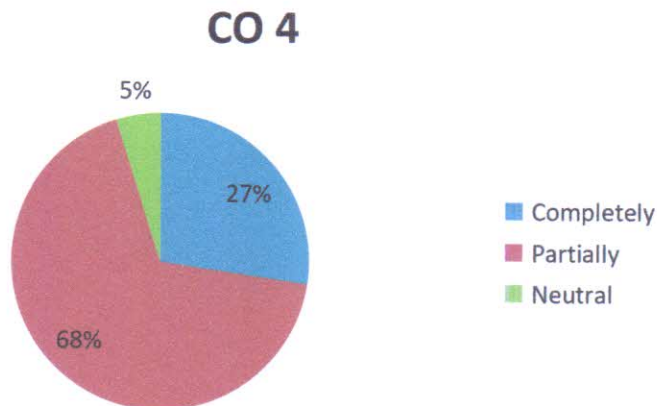
**Subject Teacher (Div-A&B) – Prof. D M Joshi / Shiekh Irfan / Harshal Deshpande**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande**

**CO-3: Do you believe you will be able to apply knowledge gained in this course in industry to solve real time problem?**



**CO-4: Implement design of laced and battened built up steel columns.**





**Department of Civil Engineering Academic Year: 2019-20 (Even)**

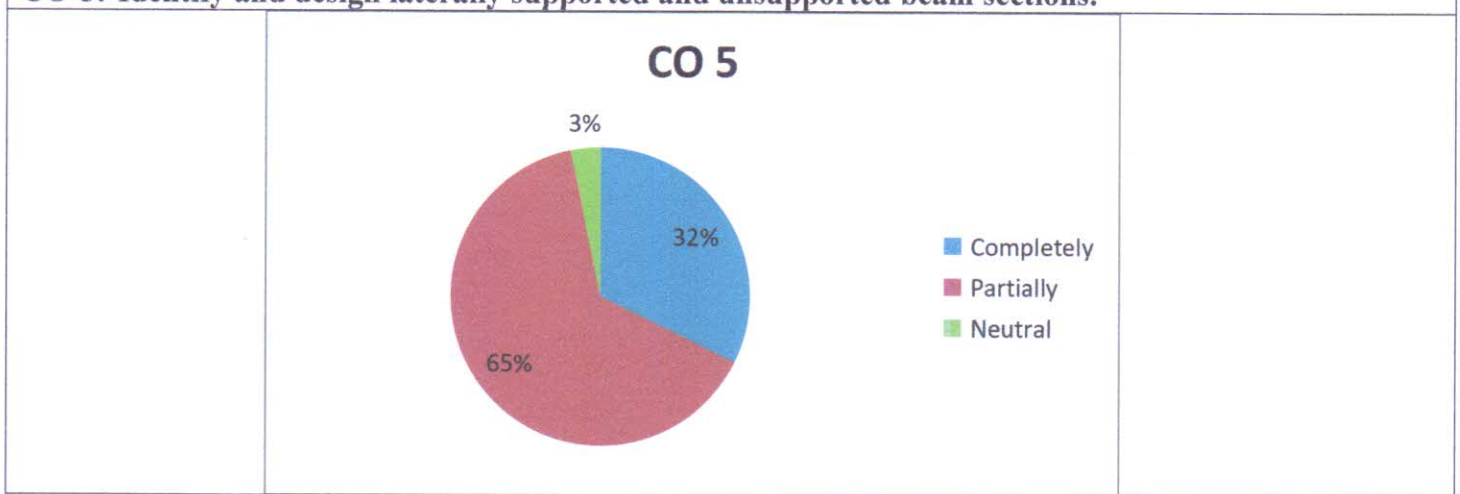
**Course Exit Analysis Report (SEM VI)**

**Subject –Design & Drawing of Steel Structures**

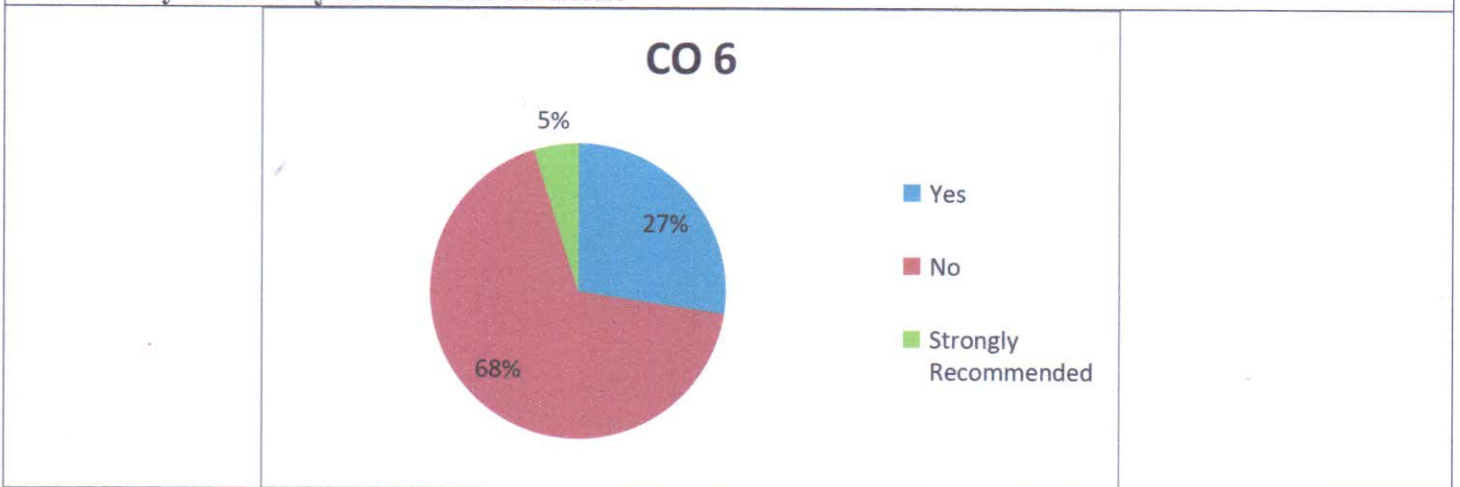
**Subject Teacher (Div-A&B) – Prof. D M Joshi / Shiekh Irfan / Harshal Deshpande**

**Subject Teacher (Div-C) - Prof. Harshal Deshpande**

**CO-5: Identify and design laterally supported and unsupported beam sections.**



**CO-6: Do you think syllabus needs revision?**



HOD (Civil)

Principal (SCOE)



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**DEPARTMENT OF CIVIL ENGINEERING**  
**Action taken based on Feedback from students**  
**Academic year 19-20- EVEN**

**Summary of feedback (Semester 6):**

Feedbacks collected through course exit forms were analysed and necessary actions were planned for effective teaching. Abstract of suggestions obtained from the stake holders to enhance the employability of the student are discussed below.

- Site visits required.
- Drawing practice required for DDSS
- Videos needed for better understanding.

**Action Taken:**

Based on suggestions, various events are organized. Events are selected such that it will be beneficial for their career. Details of events organized at Institutional and Department level are mentioned below.

Sl. No.	Feedback / Suggestions	Actions Taken	Date
1	Site visits required	Not possible due to pandemic	Not applicable
2	Extra practice for DDSS questions and drawing	More numerical and drawing sheets were practiced	During tutorial

