



Department of Civil Engineering

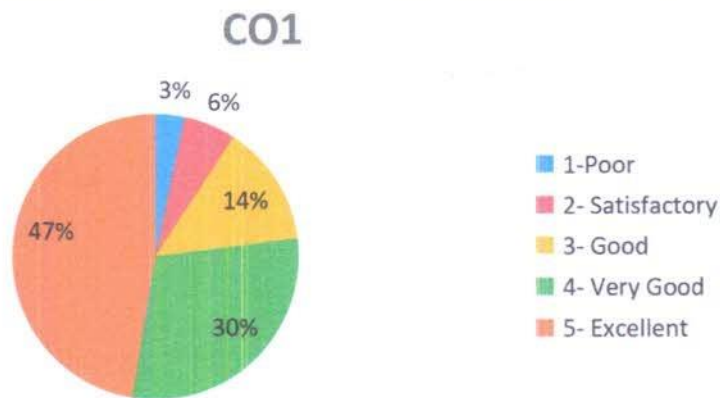
Academic Year: 2016-17 (Odd)

Course Exit Analysis Report (SEM III)

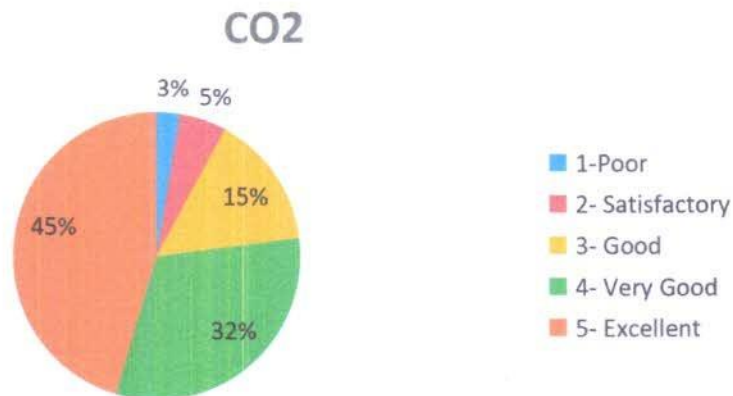
Subject – Surveying I

Subject Teacher - Prof. Steffin Sitten/ Racheal Gitty

CO-1: 1. Will you be able to apply principles of surveying and leveling for civil engineering works?



CO-2: 2. Are you capable of measure vertical and horizontal distances, linear and angular dimensions to arrive at solutions to basic surveying problems?





Department of Civil Engineering

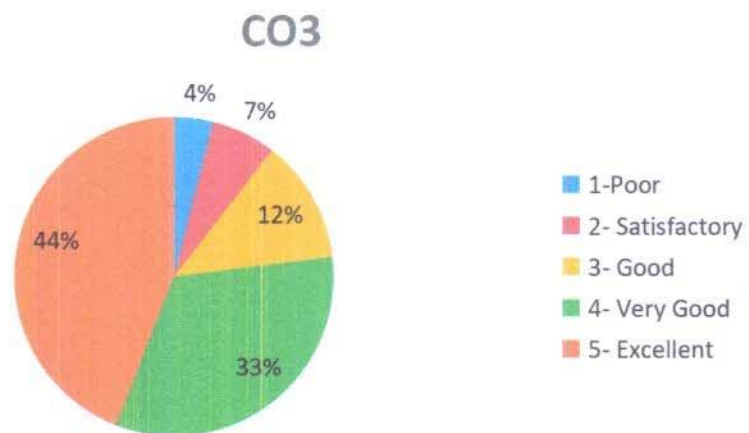
Academic Year: 2016-17 (Odd)

Course Exit Analysis Report (SEM III)

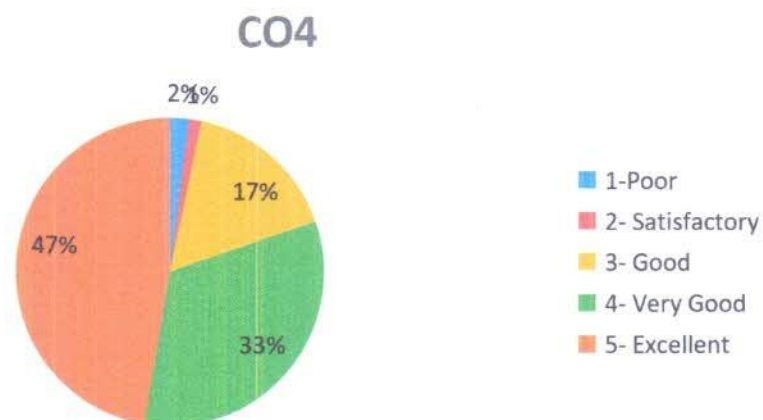
Subject – Surveying I

Subject Teacher - Prof. Steffin Sitten/ Racheal Gitty

CO-3: 3.Can you perform surveying projects like Road survey by using different surveying instruments?



CO-4: 4.Have you learnt how to apply geometric principles for computing data and drawing plans and sections?





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

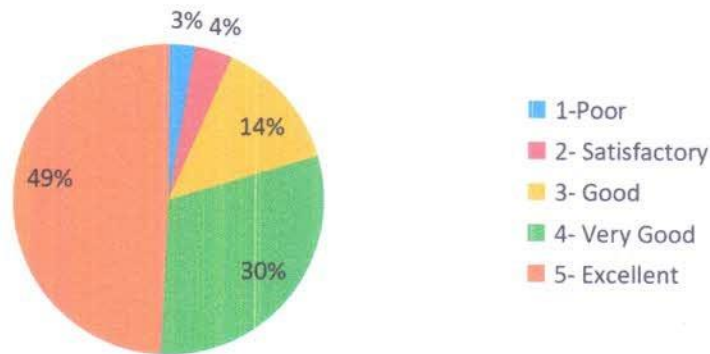
Course Exit Analysis Report (SEM III)

Subject – Surveying I

Subject Teacher - Prof. Steffin Sitten/ Racheal Gitty

CO-5: 5. Have you understood how to analyze the obtained spatial data and compute areas and volumes and represent 3D data on plane surfaces (2D) as contour?

CO5



HOD (Civil)

Principal (SCOE)



Department of Civil Engineering

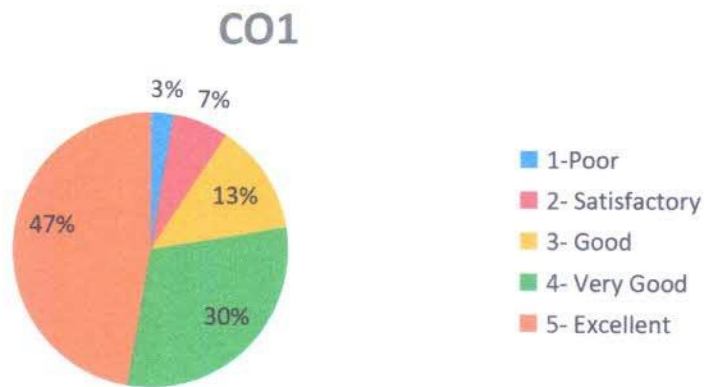
Academic Year: 2016-17 (Odd)

Course Exit Analysis Report (SEM III)

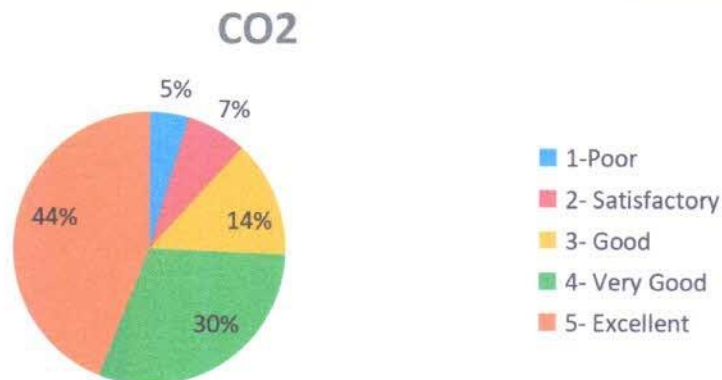
Subject – Fluid Mechanis-I

Subject Teacher - Prof. Amol Futane

CO-1: define various properties of fluids, state and explain different types of flows and principles of fluid mechanics?



CO-2: interpret different forms of pressure measurement and calculate hydrostatic force and its location for a given geometry and orientation of plane surface.





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

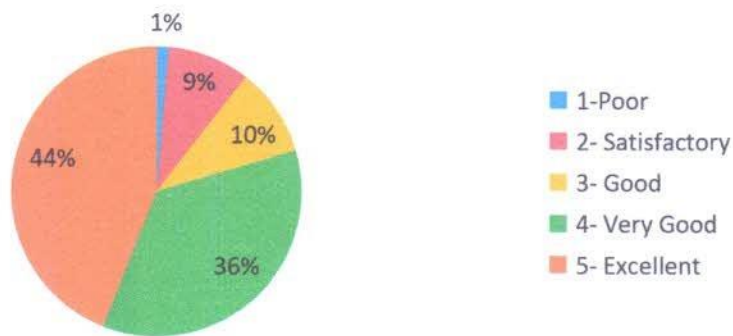
Course Exit Analysis Report (SEM III)

Subject – Fluid Mechanis-I

Subject Teacher - Prof. Amol Futane

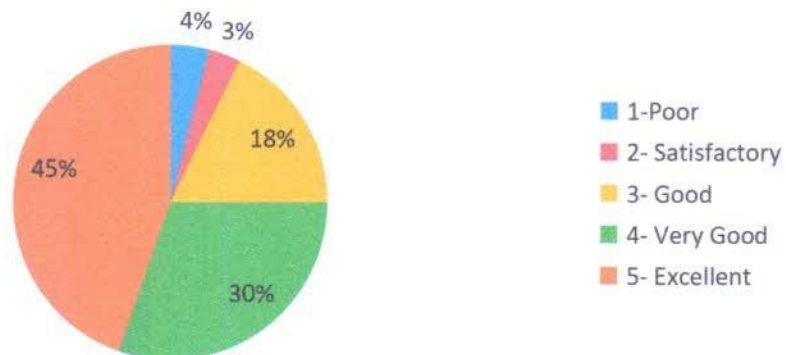
CO-3: compute force of buoyancy on a partially or fully submerged body and analyze the stability of a floating body.

CO3



CO-4: Distinguish velocity potential function and stream function and solve function and solve for velocity and acceleration of fluid at a given location in a fluid flow.

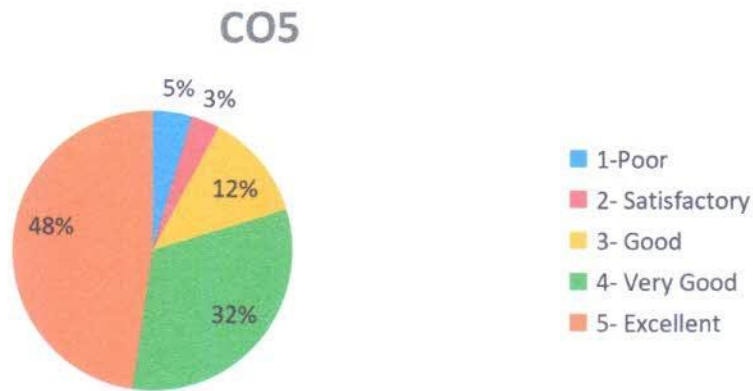
CO4





Department of Civil Engineering
Academic Year: 2016-17 (Odd)
Course Exit Analysis Report (SEM III)
Subject – Fluid Mechanis-I
Subject Teacher - Prof. Amol Futane

CO-5: Measure velocity and rate of flow using various devices.



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2016 - 2017 (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.

- Practise sessions for some topics of EM III are required.
- Need expert lecture for improving soft skills
- Require more practice for AutoCAD.
- Require industry and field exposure 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	Practise sessions for some topics of EM IV are required	Extra classes were taken for EM IV	As required
2	Need expert lecture for improving soft skills	Arranged expert lecture on enhancing soft skills	8/8/2016 to 11/08/2016
3.	Require more practice for AutoCAD.	Expert lecture with hands on practice has been arranged	02/01/2017
4	Require industry and field exposure for better understanding.	Arranged industrial visits	As required



Department of Civil Engineering

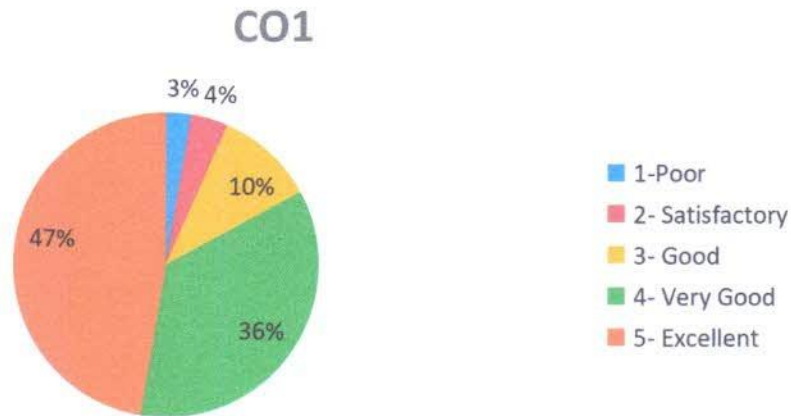
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM IV)

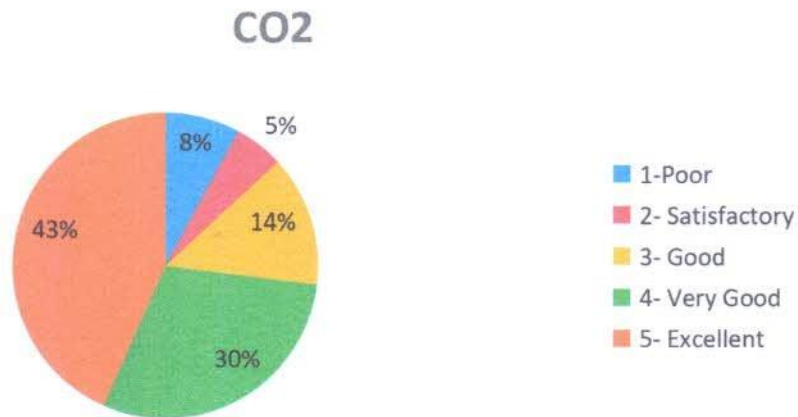
Subject – Surveying-II

Subject Teacher - Prof. Shanthi Selvam/ Rachel Gitty

CO-1: Are you able to solve problems related with distance determination in tacheometry?



CO-2: Are you able to prepare drawings such as contour plans, L section and C section?





Department of Civil Engineering

Academic Year: 2016-17 (Even)

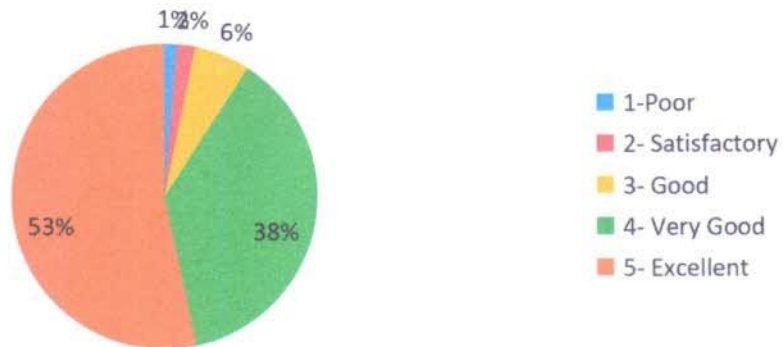
Course Exit Analysis Report (SEM IV)

Subject – Surveying-II

Subject Teacher - Prof. Shanthi Selvam/ Rachel Gitty

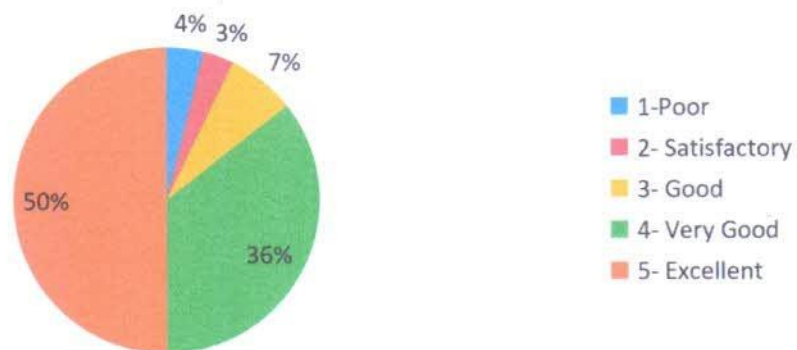
CO-3: Are you able to apply your knowledge to use the modern surveying instruments in field effectively for setting out civil engineering works e.g Sewer lines, culvert, bridges, Building etc. accurately?

CO3



CO-4: Do you update with the knowledge of GPS, GIS and remote sensing techniques?

CO4





Department of Civil Engineering

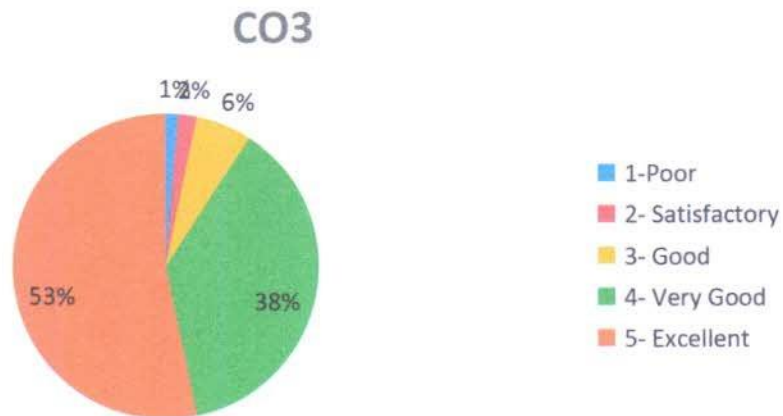
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM IV)

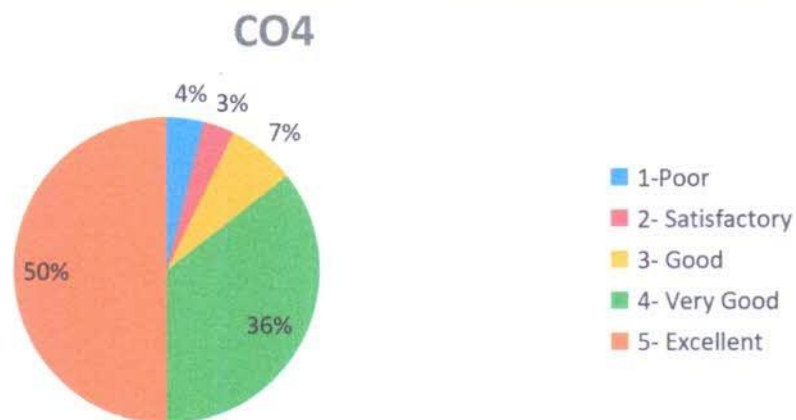
Subject – Surveying-II

Subject Teacher - Prof. Shanthi Selvam/ Rachel Gitty

CO-3: Are you able to apply your knowledge to use the modern surveying instruments in field effectively for setting out civil engineering works e.g Sewer lines, culvert, bridges, Building etc. accurately?



CO-4: Do you update with the knowledge of GPS, GIS and remote sensing techniques?





Department of Civil Engineering

Academic Year: 2016-17 (Even)

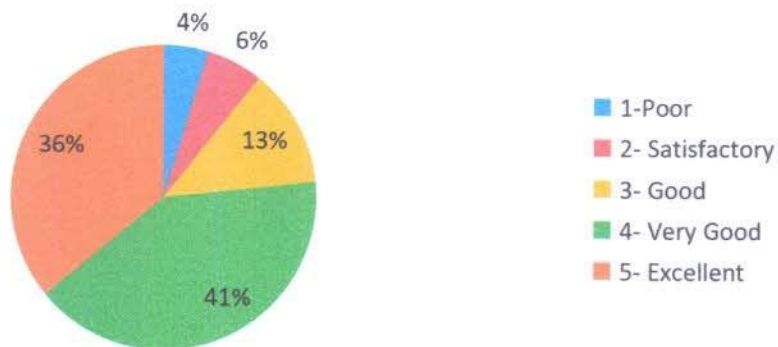
Course Exit Analysis Report (SEM IV)

Subject – Surveying-II

Subject Teacher - Prof. Shanthi Selvam/ Rachel Gitty

CO-5: Are you able to set out curves by linear methods and angular methods?

CO5



HOD (Civil)

Principal (SCOE)



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Academic Year: 2016-17 (Even)

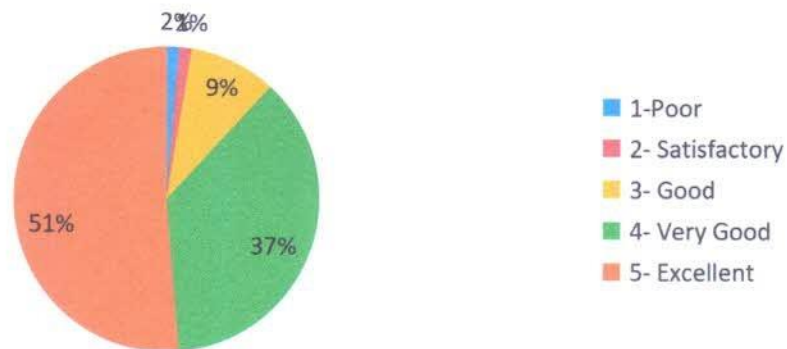
Course Exit Analysis Report (SEM IV)

Subject – Building Design & Drawing-I

Subject Teacher - Prof. Mrinmayee Gange / Sujaya Wadekar

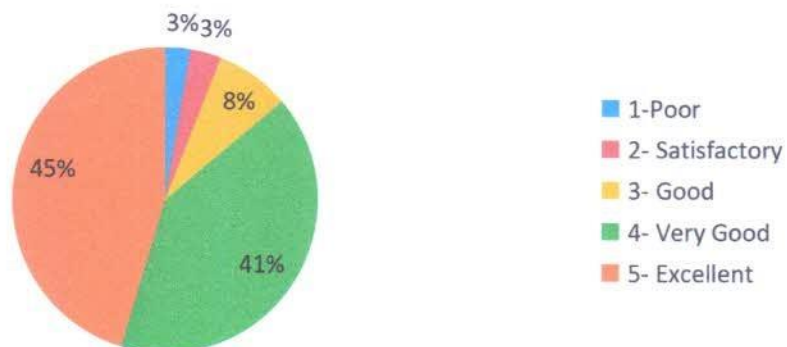
CO-1: Have you understood the concept of principles of planning and designing of building

CO1



CO-2: Have you understood the various extant building bye-laws framed by the various authorities, development and control rules satisfying orientation, zoning and functional requirement for different type of building

CO2





Department of Civil Engineering

Academic Year: 2016-17 (Even)

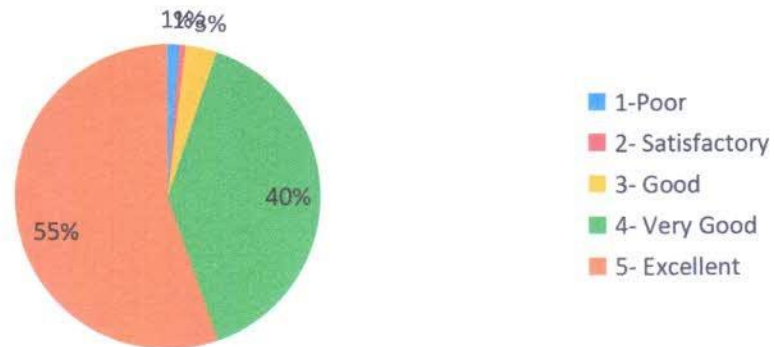
Course Exit Analysis Report (SEM IV)

Subject – Building Design & Drawing-I

Subject Teacher - Prof. Mrinmayee Gange / Sujaya Wadekar

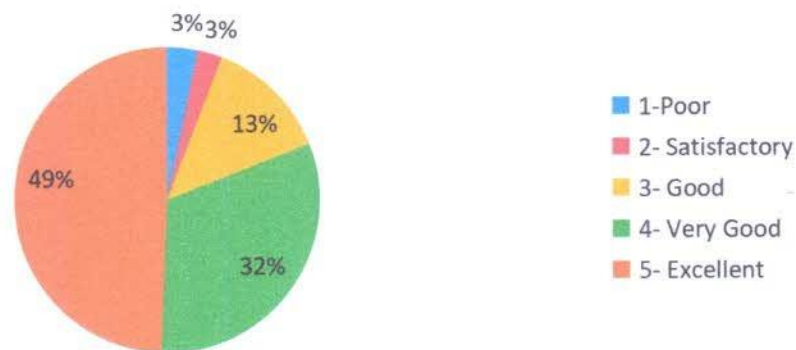
CO-3: Have you gone through the relevant Indian standard specification mentioned for architectural drawings? Do you think they are sufficient?

CO3



CO-4: were you able to understand the various components of civil engineering structures and drawings?

CO4





Department of Civil Engineering

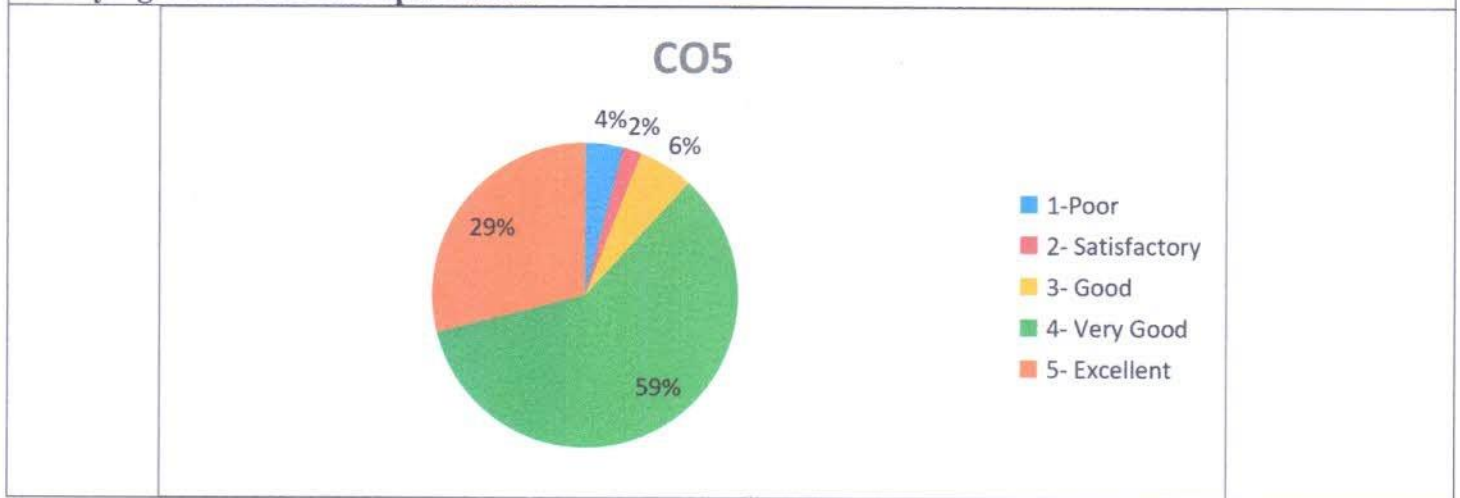
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM IV)

Subject – Building Design & Drawing-I

Subject Teacher - Prof. Mrinmayee Gange / Sujaya Wadekar

CO-5: Do you think you are able to plan and draw the various types of drawings required satisfying the functional requirement?



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2016 - 2017 EVEN

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.

- Revision lectures for some topics of EM IV are required.
- Need more practice for Survey Practicals with total station
- Require more soft skill sessions to overall personality development .
- Require industry and field exposure 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	Revision lectures for some topics of EM IV are required	Extra classes were taken for EM IV	As required
2	Need more practice for Survey Practicals with Total station.	Arranged Survey camp for field practice in the campus	Practical hours
3.	Require more soft skill sessions to overall personality development	Arranged some soft skill trainings, programs on yoga	As required

		and woman sanitation	
4	Require industry and field exposure for better understanding.	Arranged industrial visits	As required


HOD (Civil)


Principal (SCOE)



Department of Civil Engineering

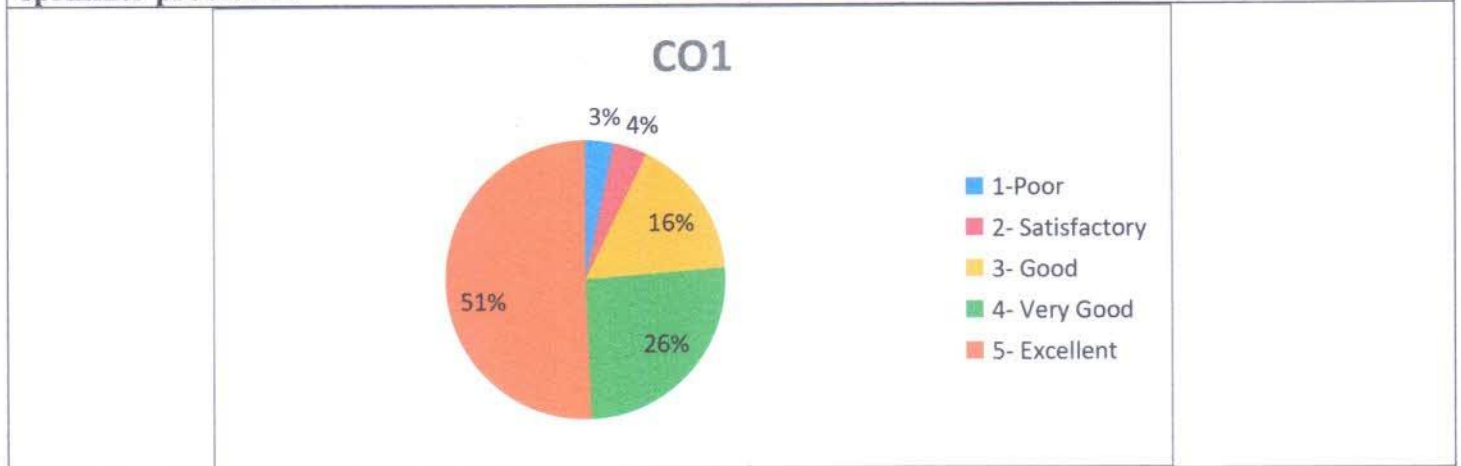
Academic Year: 2016-17 (Odd)

Course Exit Analysis Report (SEM V)

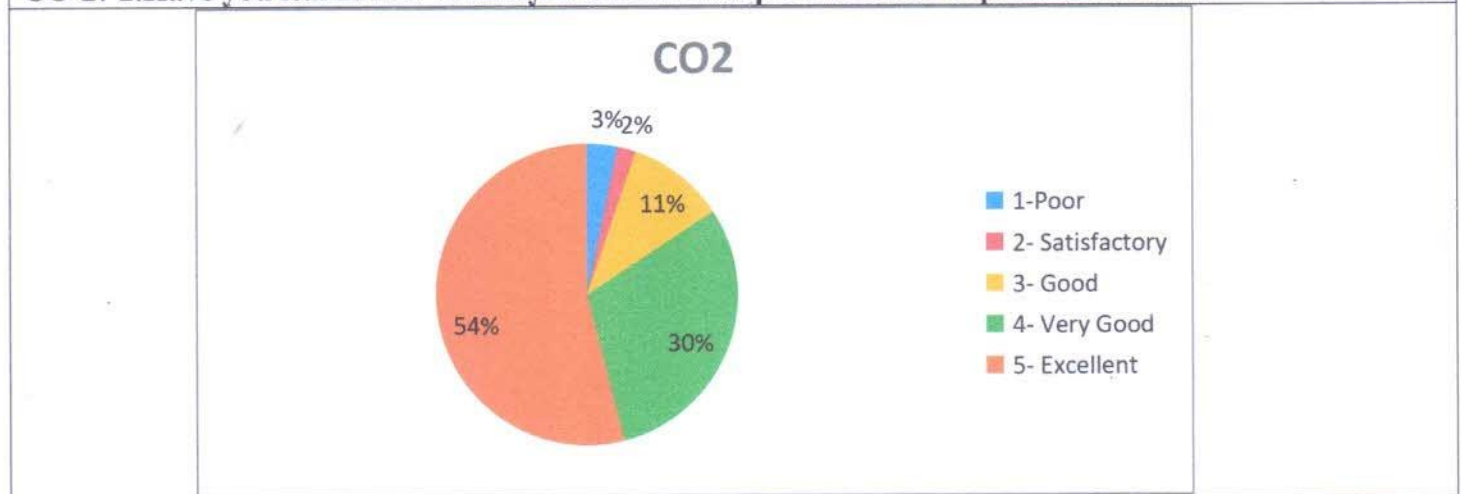
Subject – Applied Hydraulics

Subject Teacher – Prof Pooja Somani/ Garima Nagpal/ Mughda Apte

CO-1: 1.Do you know how to apply the concepts of fluid dynamics to solve pipe bend and sprinkler problems?



CO-2: 2.Have you learnt how to analyze dimensional problems and explain model laws?





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

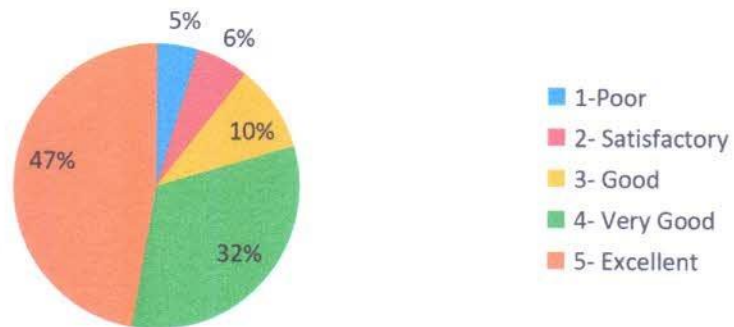
Course Exit Analysis Report (SEM V)

Subject – Applied Hydraulics

Subject Teacher – Prof Pooja Somani/ Garima Nagpal/ Mughda Apte

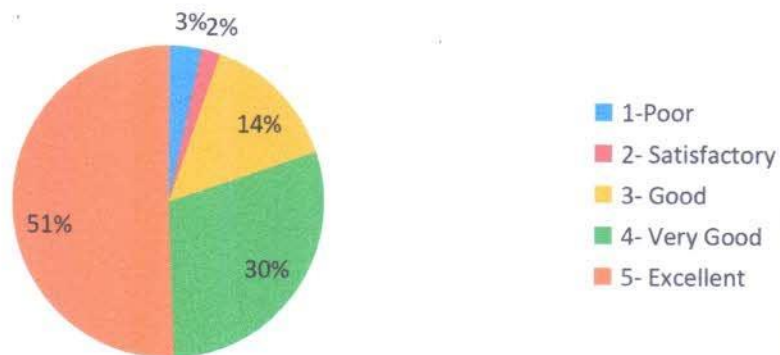
CO-3: 3. Have you understood the working and functions of Pelton wheel turbines?

CO3



CO-4: 4. Have you understood the basic concepts of open channel hydraulics and measure discharge through open channels?

CO4





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

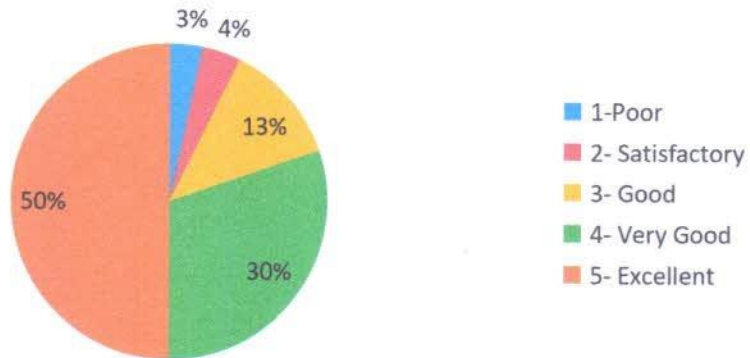
Course Exit Analysis Report (SEM V)

Subject – Applied Hydraulics

Subject Teacher – Prof Pooja Somani/ Garima Nagpal/ Mughda Apte

CO-5: 5.Are you capable of identifying the occurrence of hydraulic jump and its parameters?

CO5



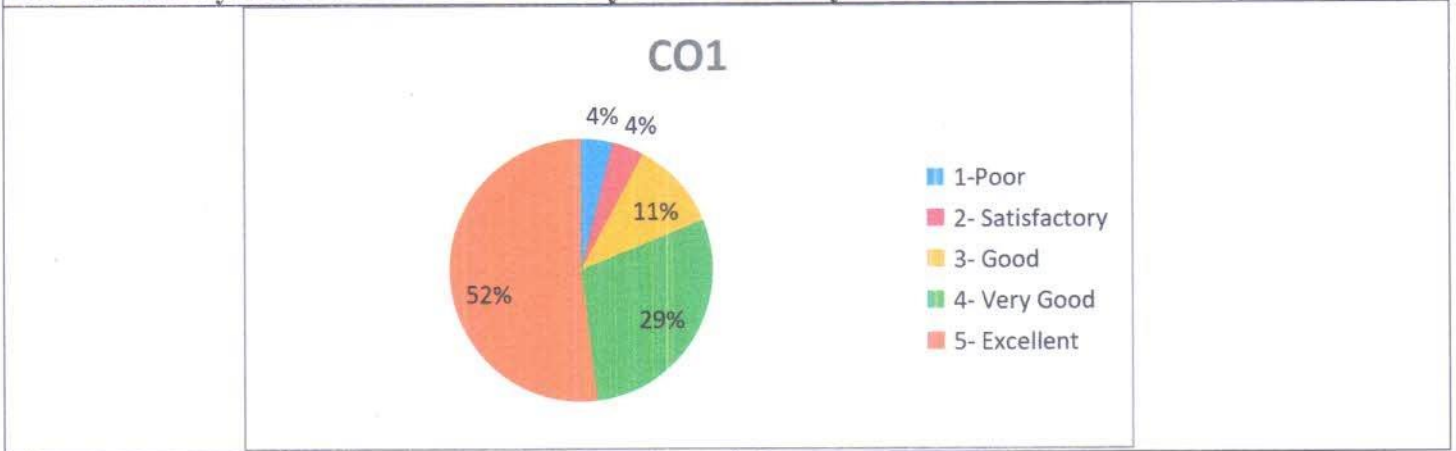
HOD (Civil)

Principal (SCOE)

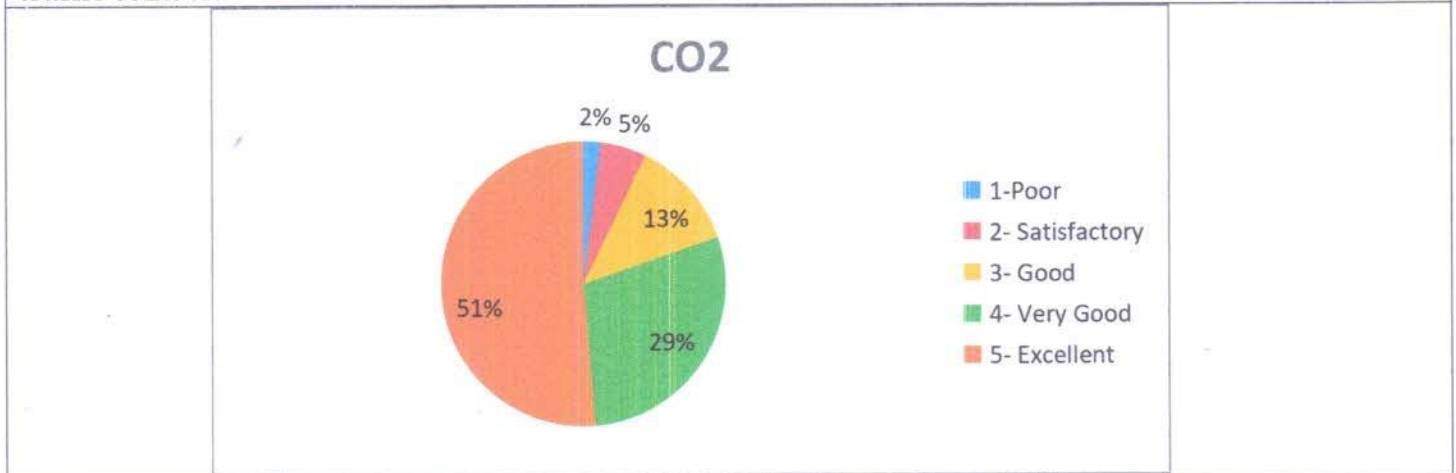


Department of Civil Engineering
Academic Year: 2016-17 (Odd)
Course Exit Analysis Report (SEM V)
Subject – Transportation Engineering-I
Subject Teacher - Prof. Nagma Alam

CO-1: 1. Have you understood the various systems in railway tracks?



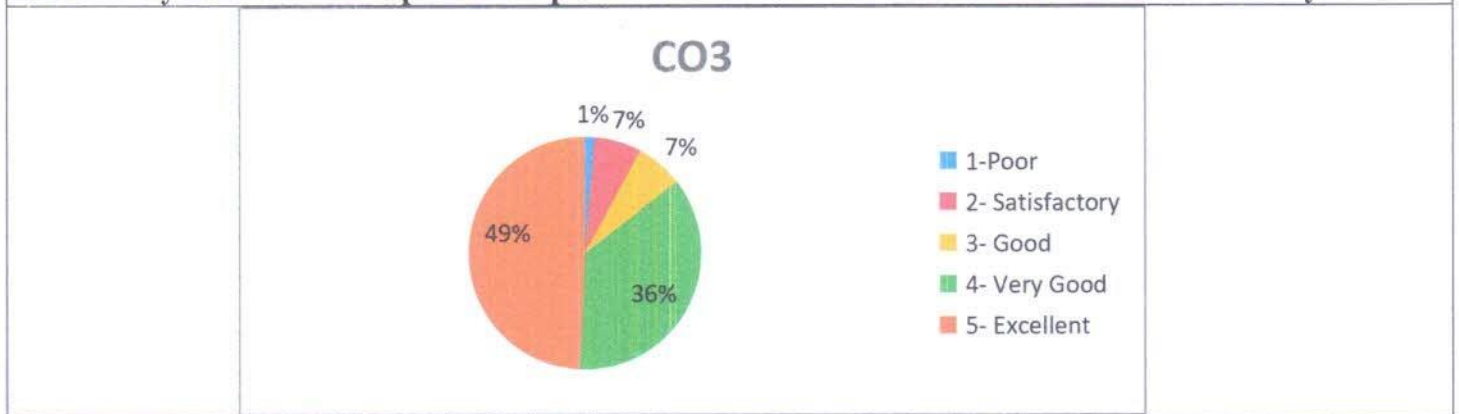
CO-2: 2. Do you know how to apply the concept of geometric design of railway track and railway traffic control?



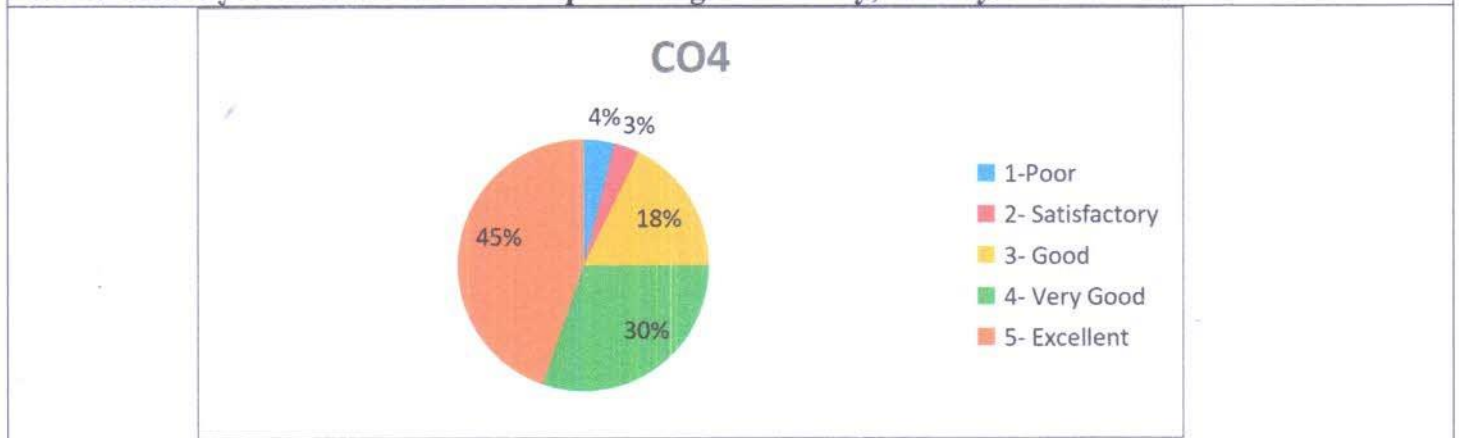


Department of Civil Engineering
Academic Year: 2016-17 (Odd)
Course Exit Analysis Report (SEM V)
Subject – Transportation Engineering-I
Subject Teacher - Prof. Nagma Alam

CO-3: Do you know how to plan an airport and rules of obstructions and orientation of runway?



CO-4: 4. Have you understood the concept of design of runway, taxiway?





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

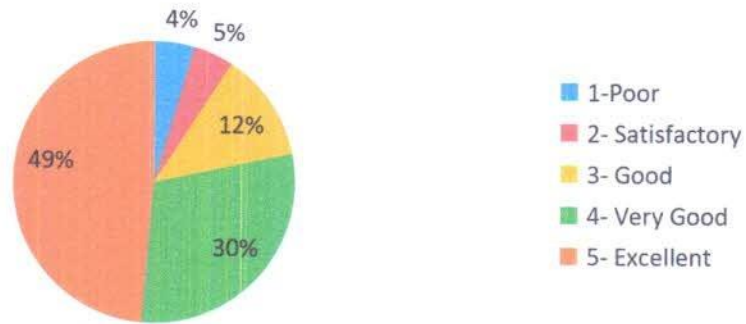
Course Exit Analysis Report (SEM V)

Subject – Transportation Engineering-I

Subject Teacher - Prof. Nagma Alam

CO-5: 5. Have you understood the the system of water distribution and harbours?

CO5



- 1-Poor
- 2-Satisfactory
- 3-Good
- 4-Very Good
- 5-Excellent

HOD (Civil)

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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2016 - 2017 (V SEM)

Summary of feedback (Semester 5):

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.

- Arrange seminar/ workshop on business communication and soft skills
- Modern techniques and modern equipments used in the construction activities should be included in the syllabus.
- Require more tutorial sessions of slope deflection and moment distribution method and analysis of Portal frames
- There should be more practical and site visits than theoretical knowledge for better understanding of Geo technical Engineering.

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	Arrange seminar/ workshop on business communication and soft skills	Workshop arranged	8/8/2016 to 11/08/2016
2	Modern techniques and modern equipments used in the construction should be included in the syllabus.	Various site visits arranged to construction sites including construction activities in the institute itself.	As required
3.	Require more tutorial sessions of slope deflection and moment distribution method and analysis of Portal frames	Arranged remedial lectures for Structural Analysis	As required

4	There should be more practical and site visits than theoretical knowledge for better understanding of Geo technical Engineering.	Arranged site visits to understand soil profile, foundation details etc.	As required



Department of Civil Engineering

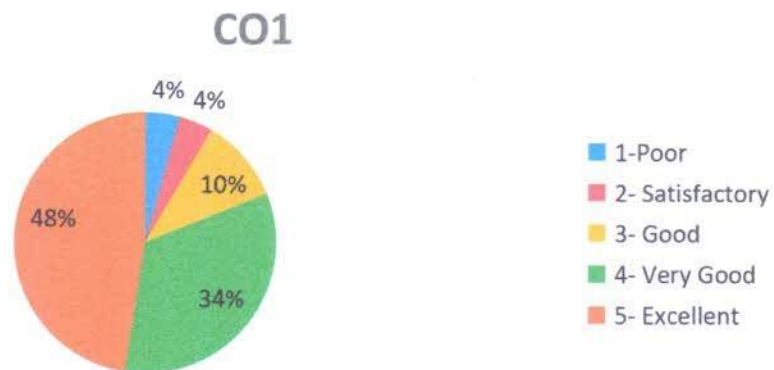
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM VI)

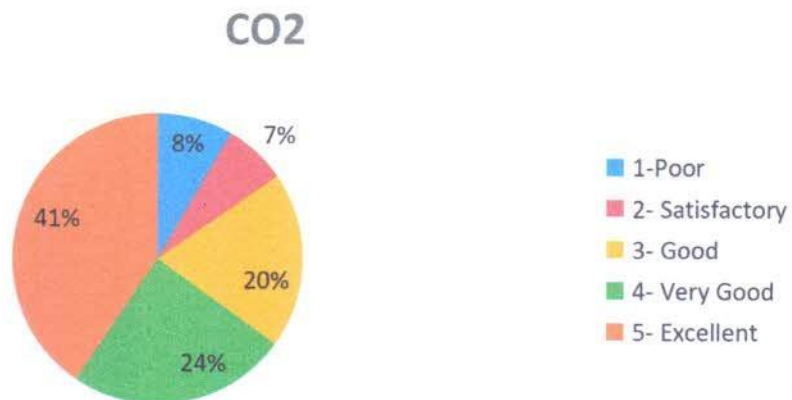
Subject – Environmental Engineering-I

Subject Teacher - Prof. Suman Rawat/Garima Nagpal

CO-1: Are you able to do various methods of water treatment?



CO-2: Are you able to conduct quality control test on sample obtained from water sources?





Department of Civil Engineering

Academic Year: 2016-17 (Even)

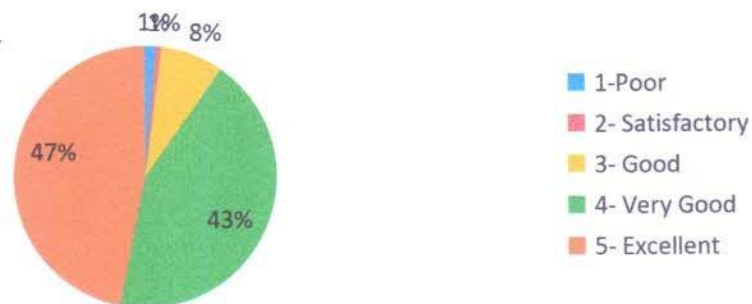
Course Exit Analysis Report (SEM VI)

Subject – Environmental Engineering-I

Subject Teacher - Prof. Suman Rawat/Garima Nagpal

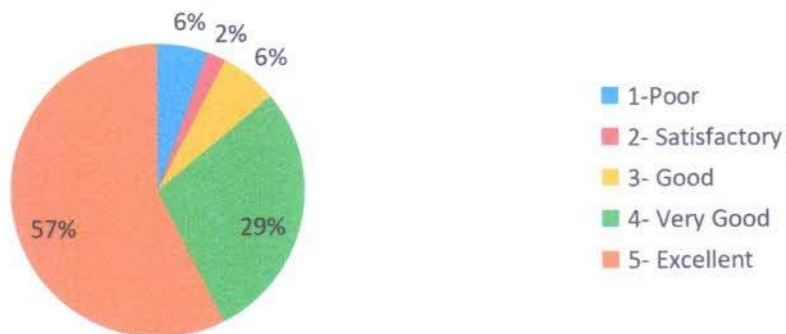
CO-3: Are you able to design the treatment facilities and access the guidelines from water sources?

CO3



CO-4: Are you able to treat water in most effective manner?

CO4





Department of Civil Engineering

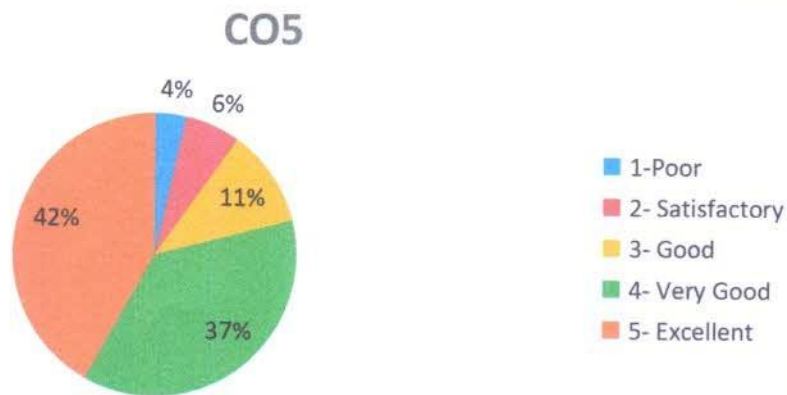
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM VI)

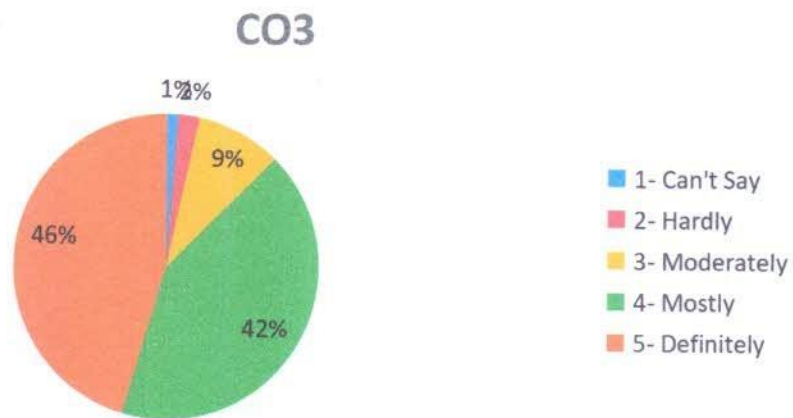
Subject – Environmental Engineering-I

Subject Teacher - Prof. Suman Rawat/Garima Nagpal

CO-5: Have you understood conversation of water?



CO-6: Have you understood the importance of water sanitation?



HOD (Civil)

Principal (SCOE)



Department of Civil Engineering

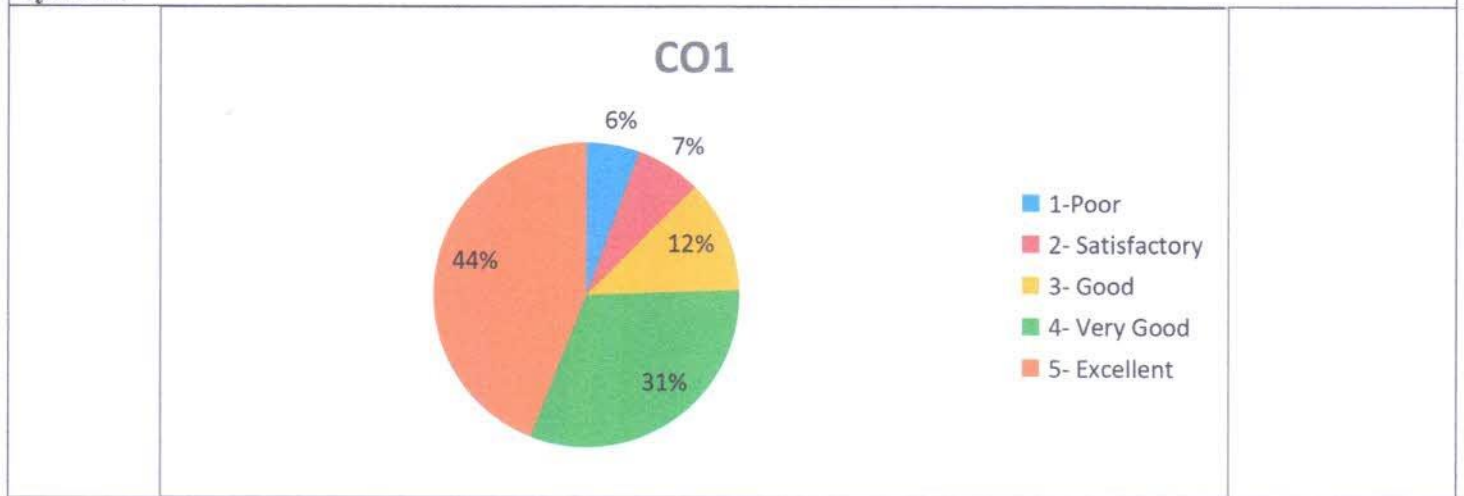
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM VI)

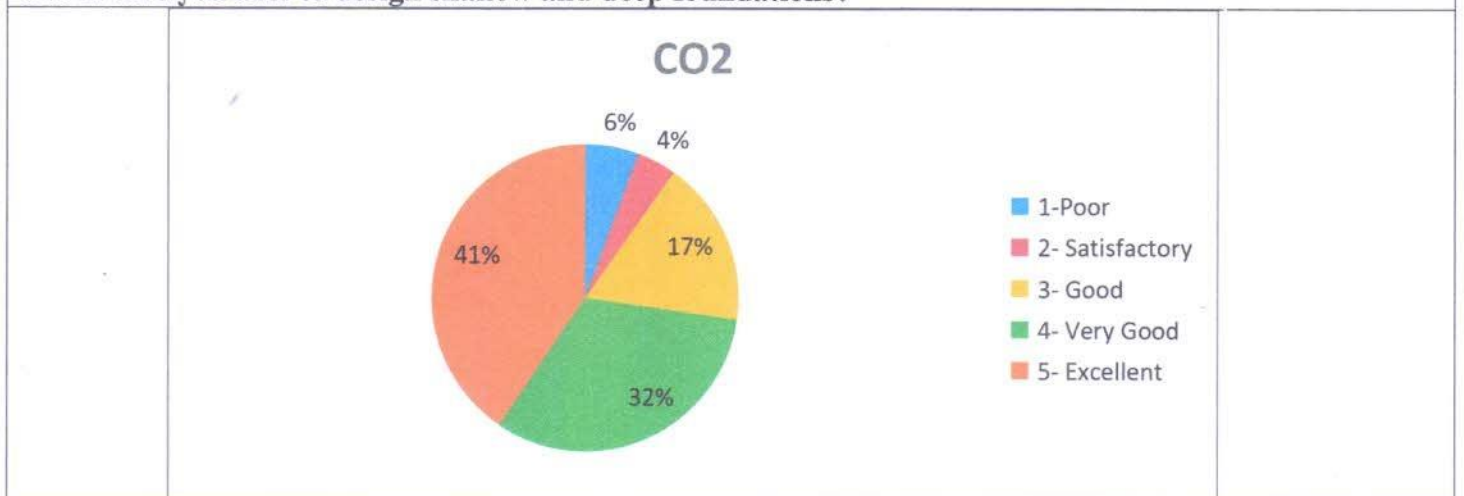
Subject – Geotechnical Engineering -II

Subject Teacher - Prof. Yugandhara Kasture / Monica Bagal

CO-1: Are you able to apply the principle of shear strength and settlement analysis for foundation system?



CO-2: Are you able to design shallow and deep foundations?





Department of Civil Engineering

Academic Year: 2016-17 (Even)

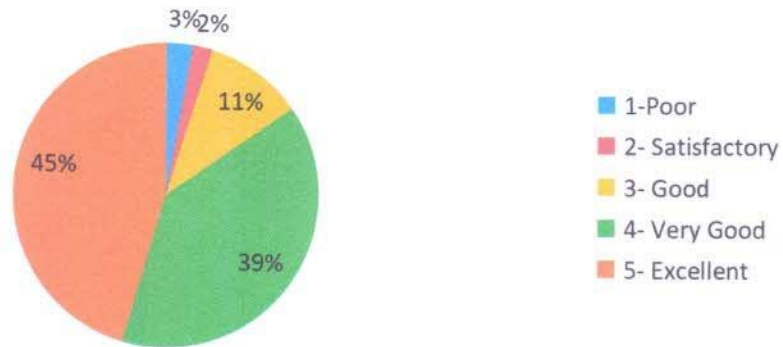
Course Exit Analysis Report (SEM VI)

Subject – Geotechnical Engineering -II

Subject Teacher - Prof. Yugandhara Kasture / Monica Bagal

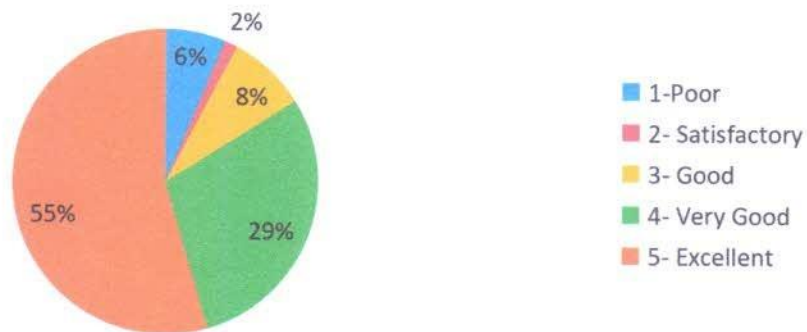
CO-3: Are you able to analyze and design earth retaining structures?

CO3



CO-4: Are you able to analyse load carrying capacity of conduits and open cuts?

CO4



HOD (Civil)

Principal (SCOE)



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2016 – 2017 EVEN

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 for Structural Analysis II .
- Modern techniques and modern equipments used in the Surveying should be included in the syllabus.
- Require more lectures of design of structural members using IS 456
- There should be more practical and site visits.

Action Taken:

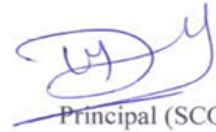
Based on student feedbacks, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	Revision lectures Structural Analysis II.	Extra classes were taken for solving University question papers	As required
2	Modern techniques and modern equipments used in soil testing(on site).	Site visits arranged for studying about various soils and plate load test	As required
3.	Require more lectures of design of structural members using IS 456	Arranged some remedial lectures for Structural Analysis	As required

4	There should be more practical and site.	Arranged visits and performed various field tests.	As required
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HOD (Civil)



Principal (SCOE)



Department of Civil Engineering

Academic Year: 2016-17 (Odd)

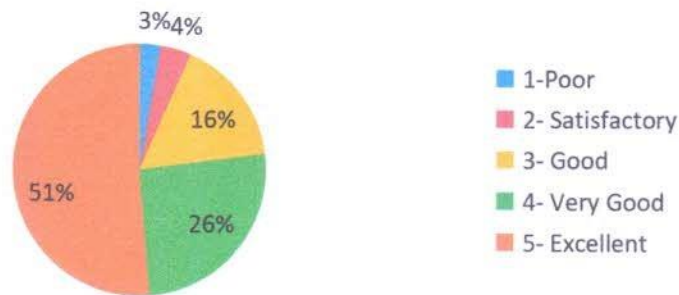
Course Exit Analysis Report (SEM VII)

Subject – Quantity Survey, Estimation & Valuation

Subject Teacher - Prof. Sanjay Singh

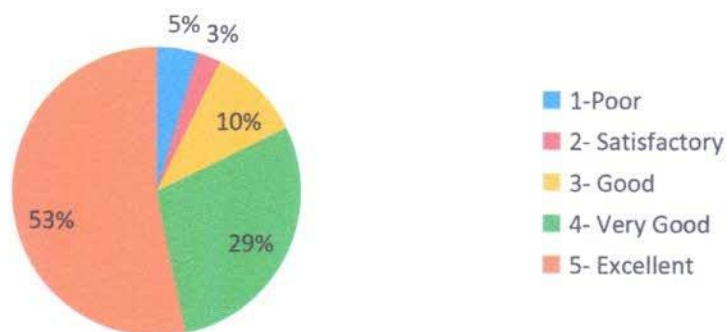
CO-1: Will you be able to do measurement for civil engineering works?

CO1



CO-2: 2.Are you capable of drafting specification for different items of works?

CO2





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

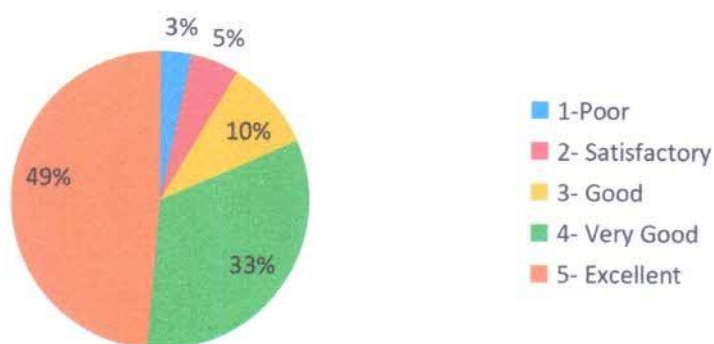
Course Exit Analysis Report (SEM VII)

Subject – Quantity Survey, Estimation & Valuation

Subject Teacher - Prof. Sanjay Singh

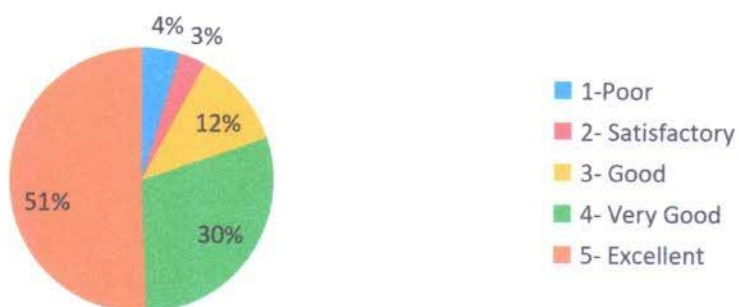
CO-3: 3.Can you workout the detailed estimate by different methods?

CO3



CO-4: 4.Have you learnt how to assess the earthwork by various methods?

CO4





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

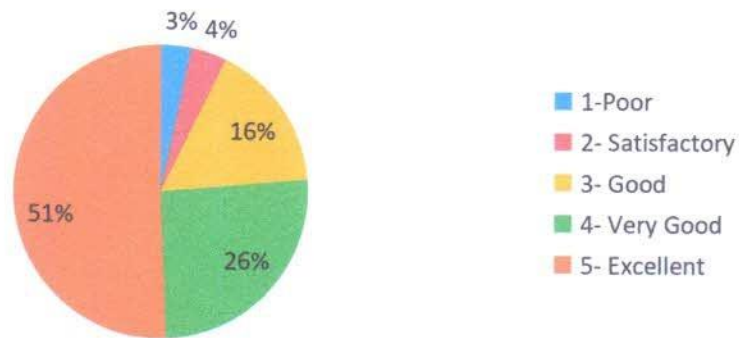
Course Exit Analysis Report (SEM VII)

Subject – Quantity Survey, Estimation & Valuation

Subject Teacher - Prof. Sanjay Singh

CO-5: 5. Have you understood what is value and the methods to do the valuation?

CO5



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Department of Civil Engineering

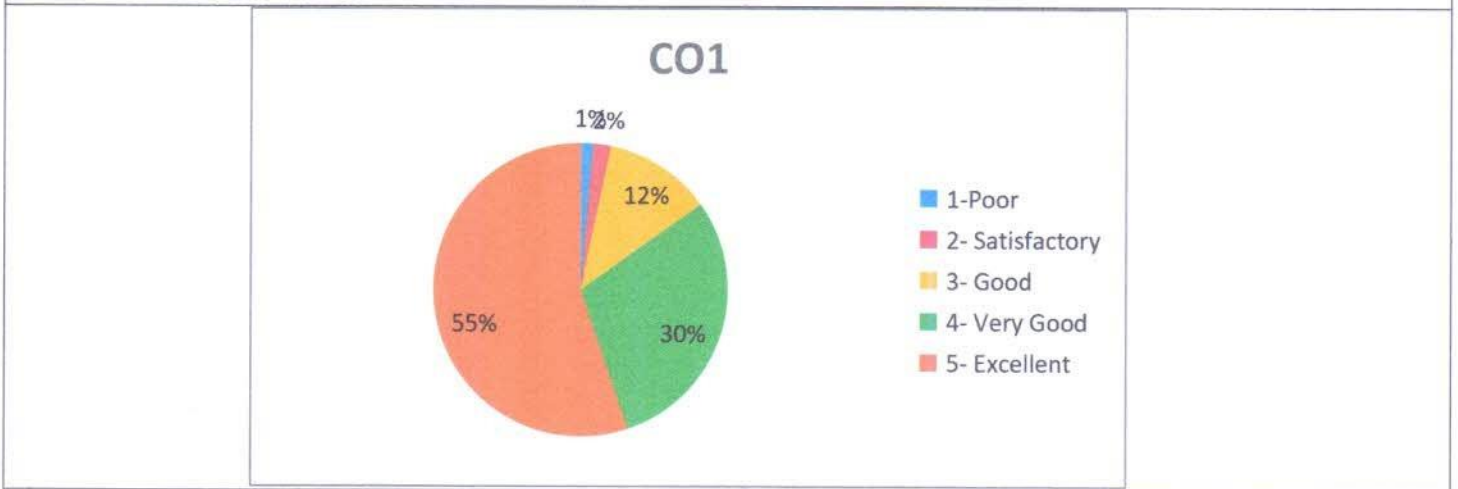
Academic Year: 2016-17 (Odd)

Course Exit Analysis Report (SEM VI)

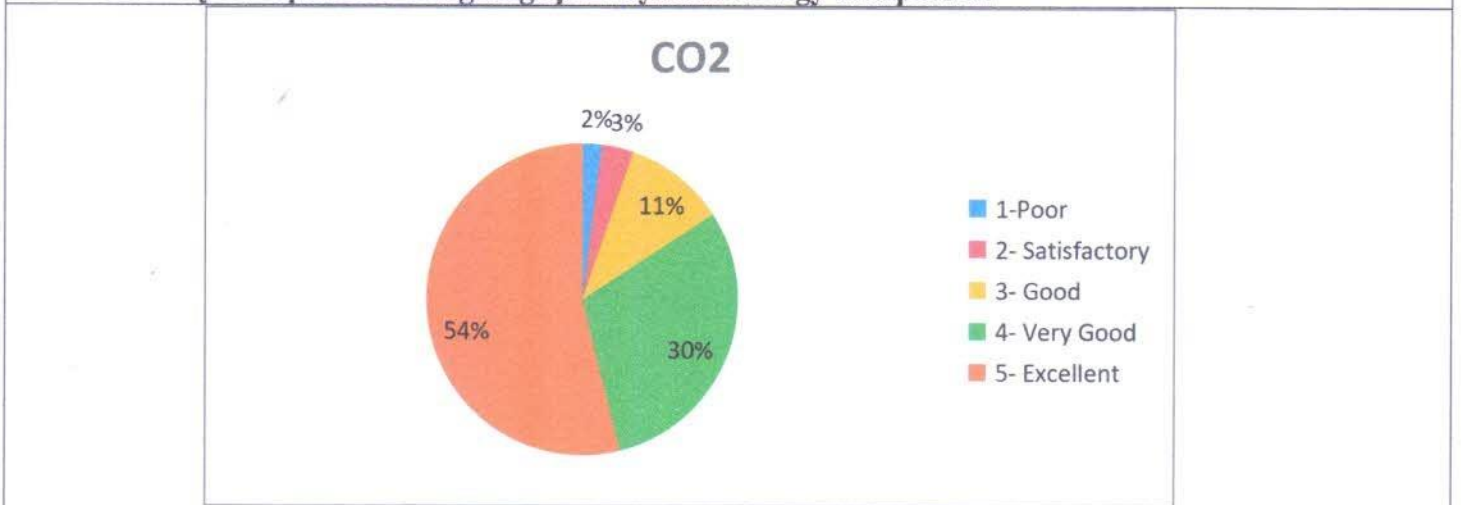
Subject – Irrigation engineering

Subject Teacher - Prof. Mughda Apte/ Ratnadeep Mane

CO-1: 1. Will you be able to design the section of gravity dams, earth and rock fill dams, arch dams and buttress dams?



CO-2: 2. Are you capable of designing spillways and energy dissipaters?





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

Course Exit Analysis Report (SEM VI)

Subject – Irrigation engineering

Subject Teacher - Prof. Mughda Apte/ Ratnadeep Mane

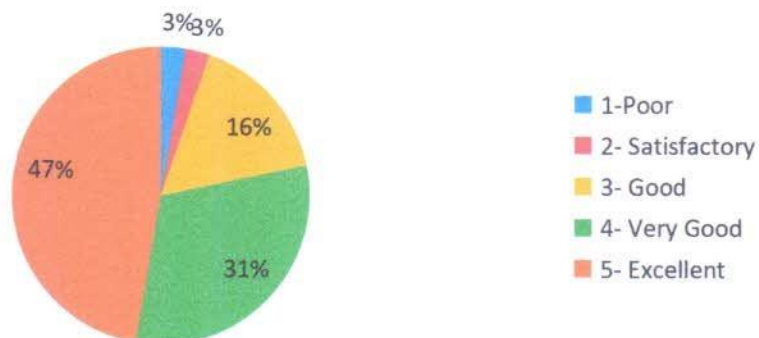
CO-3: 3. Have you understood how to apply silt theories to design irrigation canals?

CO3



CO-4: 4. Have you understood the various types of canals and how to maintenance the same?

CO4





Department of Civil Engineering

Academic Year: 2016-17 (Odd)

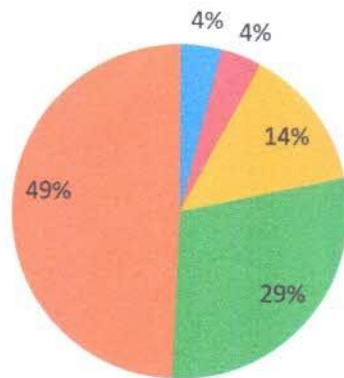
Course Exit Analysis Report (SEM VII)

Subject – Irrigation engineering

Subject Teacher - Prof. Mughda Apte/ Ratnadeep Mane

CO-5: 5. Have you learnt the working principle of different cross drainage works of a canal system?

CO5



- 1- Poor
- 2- Satisfactory
- 3- Good
- 4- Very Good
- 5- Excellent

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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2016 - 2017 ODD

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

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 classes for GATE and other aptitude tests.	As required
3.	Require more expert lecture to understand the various construction activities	Organised workshop with experts from construction field.	19/12/2016 to 23/12/2016

4	Require more co curricular activities	To understand the importance of rain water harvesting and water quality as mini projects	As required
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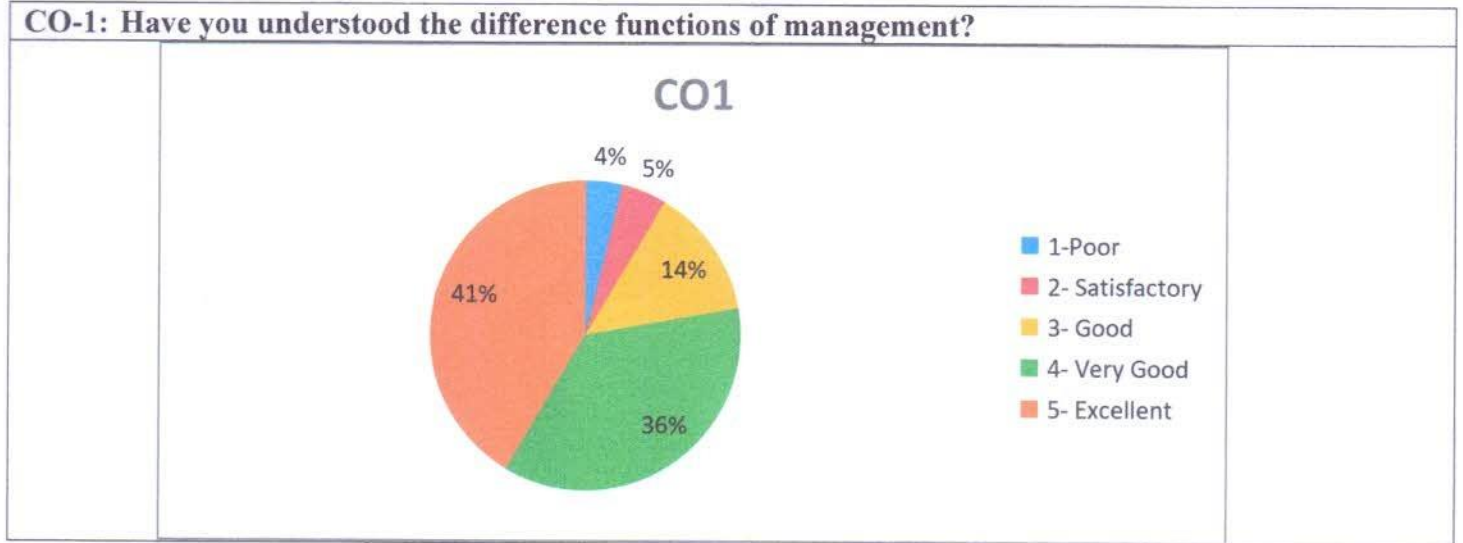
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM VIII)

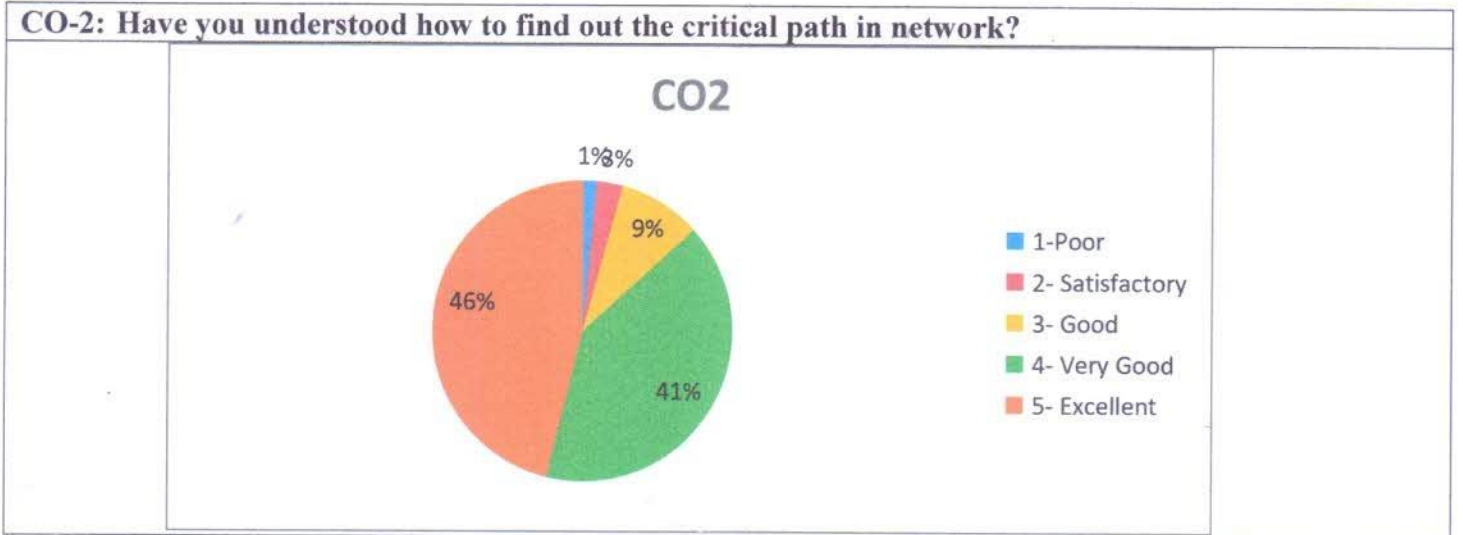
Subject – Construction Management

Subject Teacher - Prof. Molly Mathew / Shanthi Selvam

CO-1: Have you understood the difference functions of management?



CO-2: Have you understood how to find out the critical path in network?





Department of Civil Engineering

Academic Year: 2016-17 (Even)

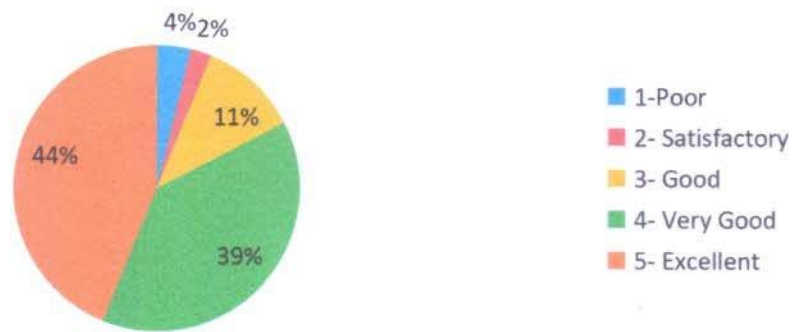
Course Exit Analysis Report (SEM VIII)

Subject – Construction Management

Subject Teacher - Prof. Molly Mathew / Shanthi Selvam

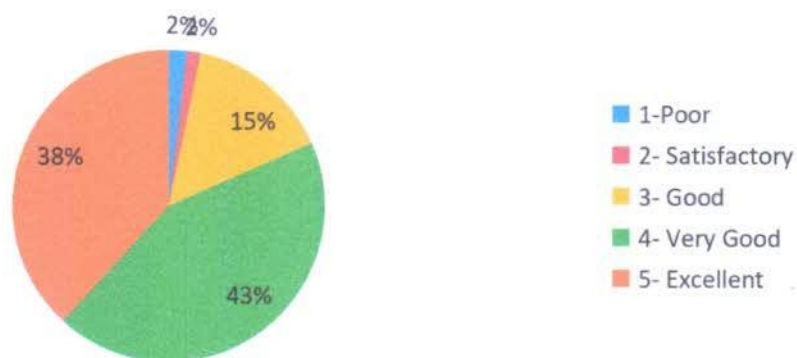
CO-3: Do you know how to find the optimum time in a network?

CO3



CO-4: Have you understood the different safety measures to be adopted in a construction site?

CO4





Department of Civil Engineering

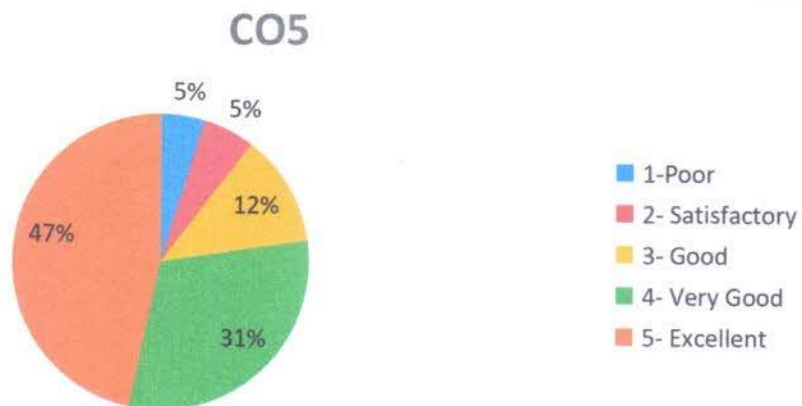
Academic Year: 2016-17 (Even)

Course Exit Analysis Report (SEM VIII)

Subject – Construction Management

Subject Teacher - Prof. Molly Mathew / Shanthi Selvam

CO-5: Have you understood the different principles of organization like equality and the different acts in a site?



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Academic Year: 2016-17 (Even)

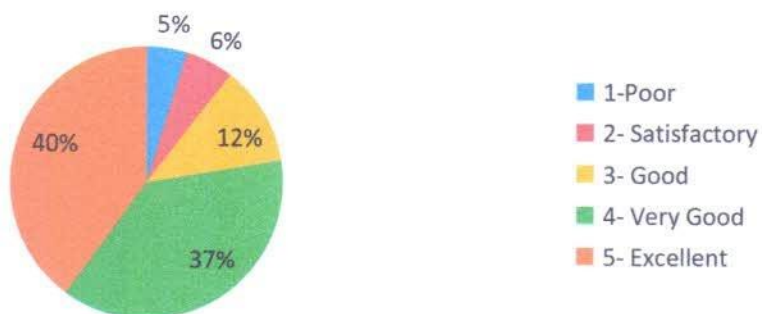
Course Exit Analysis Report (SEM VIII)

Subject – Design of Hydraulic Structure

Subject Teacher - Prof. Pooja Somani

CO-1: Have you understood preliminary and final investigations of dam and able to fix storage capacity, analyse reservoir losses and estimate sedimentation in reservoirs?

CO1



CO-2: Are you able to analyse forces acting on the dam and carry out the stability analysis?

CO2





Department of Civil Engineering

Academic Year: 2016-17 (Even)

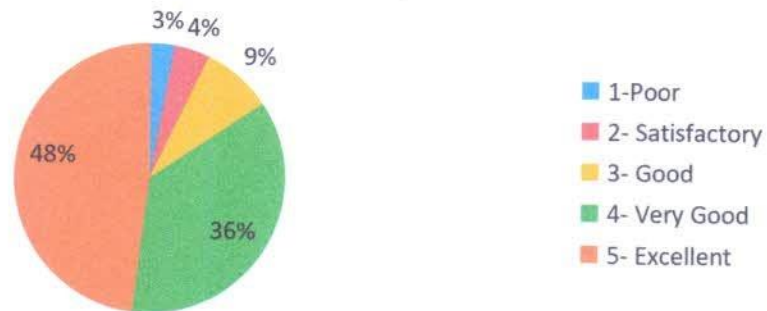
Course Exit Analysis Report (SEM VIII)

Subject – Design of Hydraulic Structure

Subject Teacher - Prof. Pooja Somani

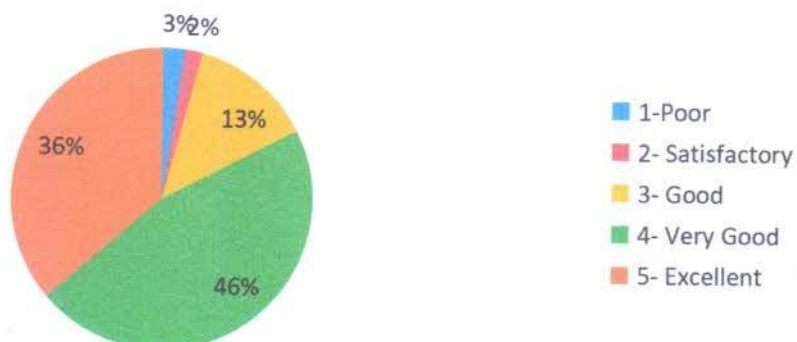
CO-3: Have you understood the arch and buttress dam and its design?

CO3



CO-4: Have you understood the details of construction and maintenance of earth fill and rock fill dams including stability analysis criteria?

CO4





Department of Civil Engineering

Academic Year: 2016-17 (Even)

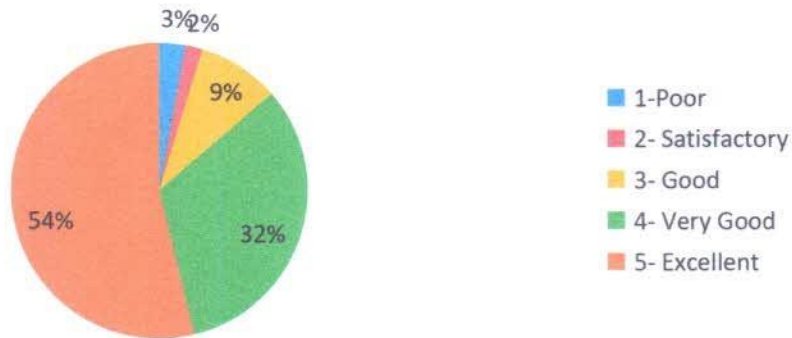
Course Exit Analysis Report (SEM VIII)

Subject – Design of Hydraulic Structure

Subject Teacher - Prof. Pooja Somani

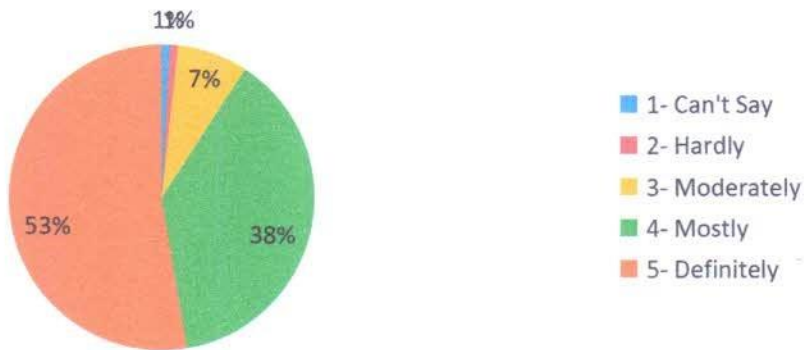
CO-5: Have you understood the design principle of spillways; energy dissipation works and flood control works?

CO5



CO-6: are you get acquainted with the design of small bridge and culverts and its principles of hydraulic design?

CO6



Pooja Somani
HOD (Civil)

[Signature]
Principal (SCOE)



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DEPARTMENT OF CIVIL ENGINEERING
Action taken based on feedback from students
Academic year 2016 - 2017 (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 Project	As required
3.	Require more mini Projects based learning	Assigned mini projects including mix design, drawing and scheduling etc.	As required

4	Require field visits to understand some concepts of Construction management	Arranged industrial visits of infra structure projects.	As required
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HOD

Civil Engg. Dept



Principal

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