Course Outcome Analysis Report

| Branch	Civil Engg	Class: SE	Engineering Geology
	Sr. No	Course Outcome	**Percentage**
	1	Students will be able to identify different type of rocks and minerals and building stones.	93.6
	2	Students will be able to draw geological maps.	95.2
	3	The students will be able judge the suitability of sites based on geological aspects of site	98.4
	4	This course will be able to carry out preliminary geological investigation of site related to civil engineering projects.	96
		Average	95.8

Engineering Geology

	1	2	3	4
EGO	93.6	95.2	98.4	96
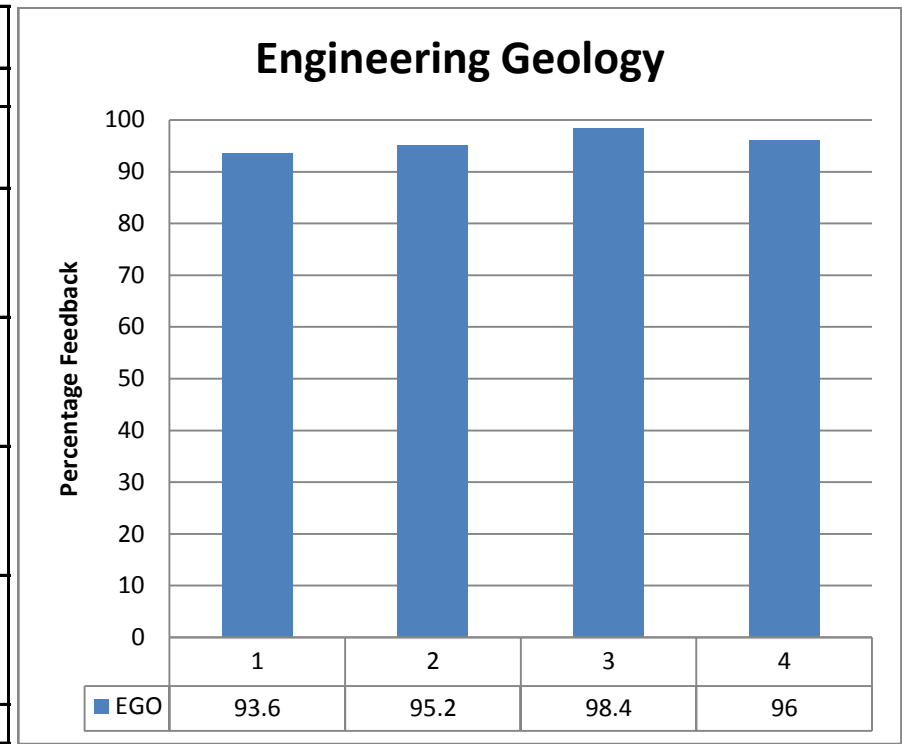
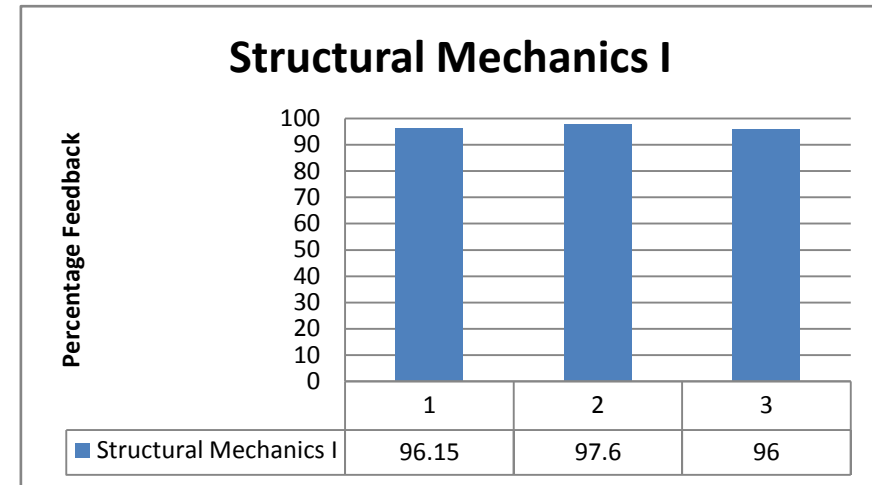| Course Outcome Analysis Report			
Branch	Civil Engg	Class: SE	Building Construction & Drawing
	Sr. No	Course Outcome	**Percentage**
	1	Students will be able to elucidate functional Requirements of buildings and types of Foundation and its suitability.	95.2
	2	Students will be able to draw neat drawings of different building components such as doors, windows, stairs etc.	97.6
	3	Students will be able to design different types of staircases commonly used in residential and public buildings.	92.8
	4	Students will be able to adopt proper type of building services while preparing permission drawings.	95.2
	5	Students will be able to select appropriate ventilation systems and building finishes	95.2
		Average	95.2

Building Construction & Drawing

	1	2	3	4	5
BCD I	95.2	97.6	92.8	95.2	95.2
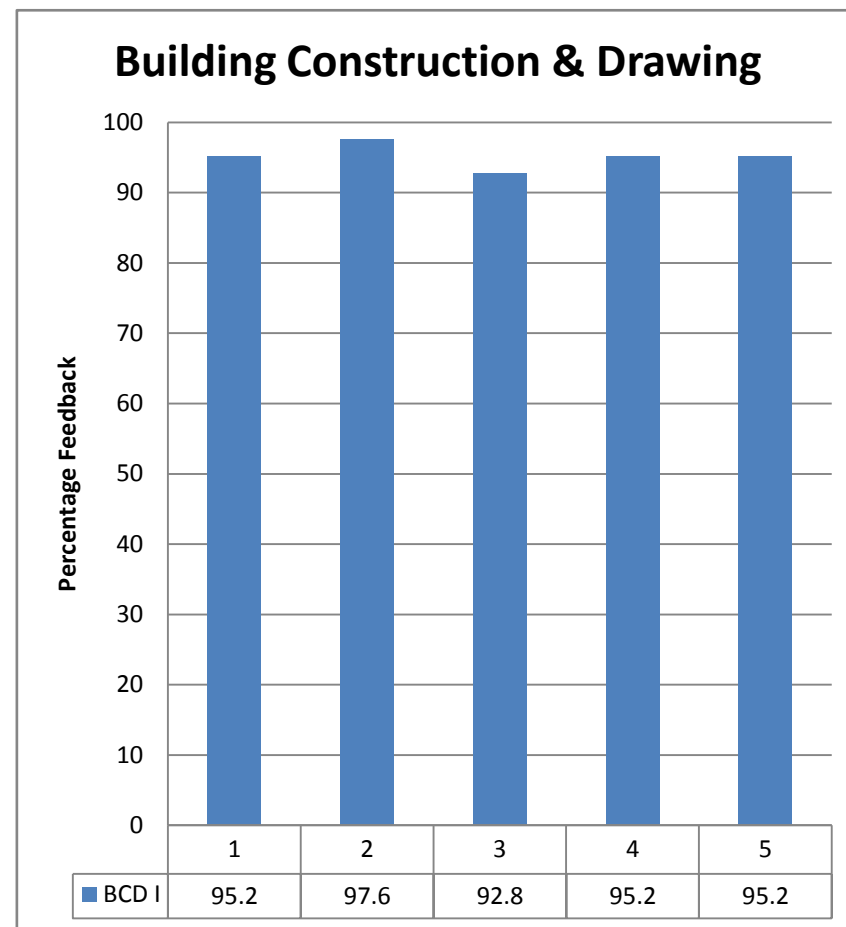
Course Outcome Analysis Report

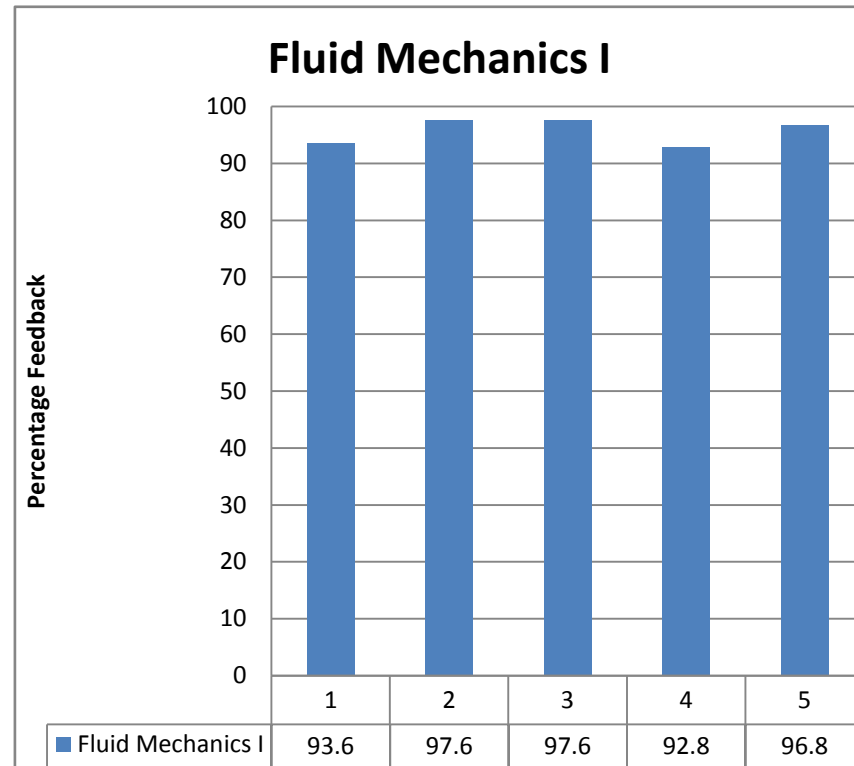| Branch	Civil Engg	Class: SE	Surveying I
	Sr. No	Course Outcome	**Percentage**
	1	Solve numerical problems on bearing, leveling, traversing.	94.4
	2	Use and adjust the levels, theodolites, plane table and total station.	95.2
	3	Derive area and volume measurement formula under different conditions.	99.2
	4	Describe applications of modern surveying equipments.	96
	5	Prepare plans, maps and reports for surveying projects.	96
		Average	96.16

Surveying I

	1	2	3	4	5
Surveying I	94.4	95.2	99.2	96	96

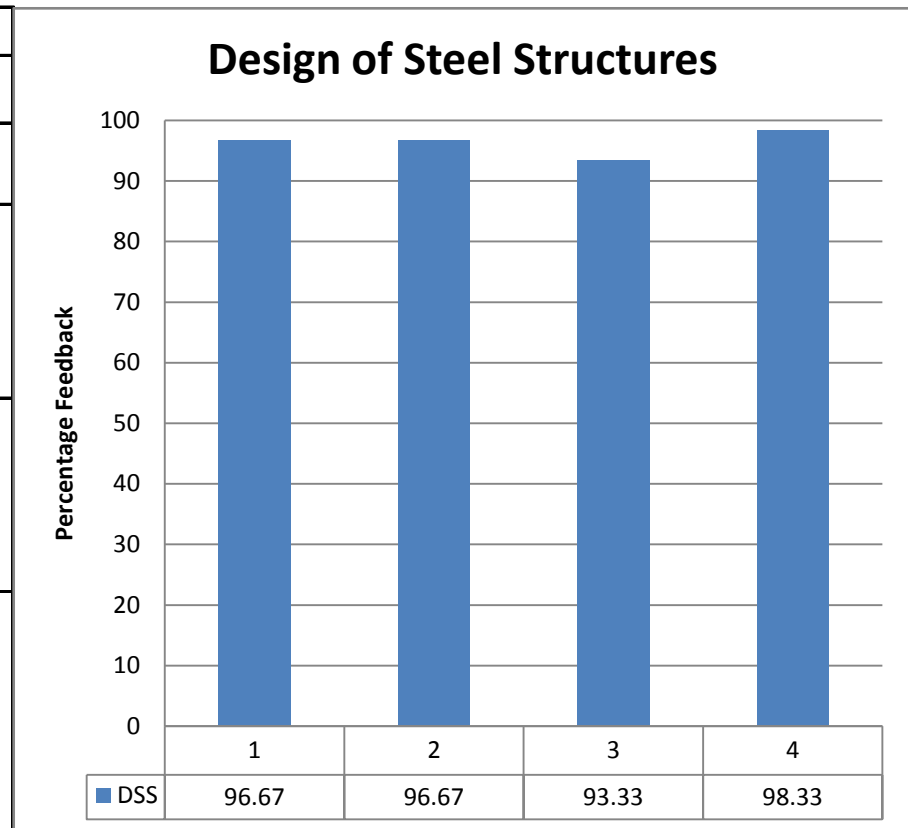| Course Outcome Analysis Report			
Branch	Civil Engg	Class: SE	Concrete Technology
	Sr. No	Course Outcome	**Percentage**
	1	Select appropriate type of concrete for specific requirements.	95.2
	2	Select appropriate type of admixtures and construction chemicals depending upon requirements of concrete	97.6
	3	Design a concrete mix of required strength and durability using suitable ingredients	93.6
		Average	95.47

Concrete Technology

	1	2	3
Concrete Technology	95.2	97.6	93.6
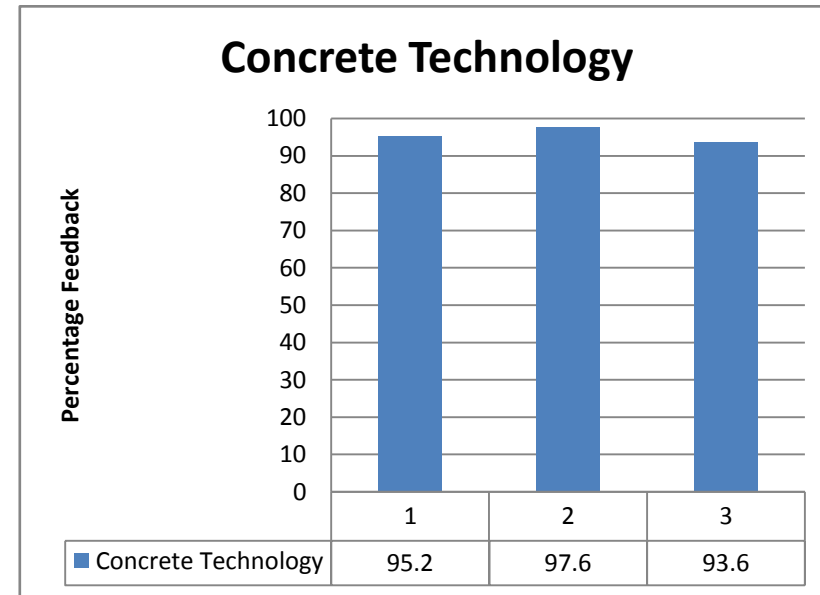
Course Outcome Analysis Report			
Branch	Civil Engg	Class: SE	Structural Mechanics-I
	Sr. No	Course Outcome	**Percentage**
	1	The students will be able to employ the knowledge of structural mechanics to describe the behavior of structures.	96.15
	2	The students will be able to analyze determinate structural members subjected to different types of loadings.	97.6
	3	The students will be able to analyze special structures such as composite beams and thin walled cylinders.	96
		Average	96.58

Structural Mechanics I

	1	2	3
Structural Mechanics I	96.15	97.6	96

Percentage Feedback

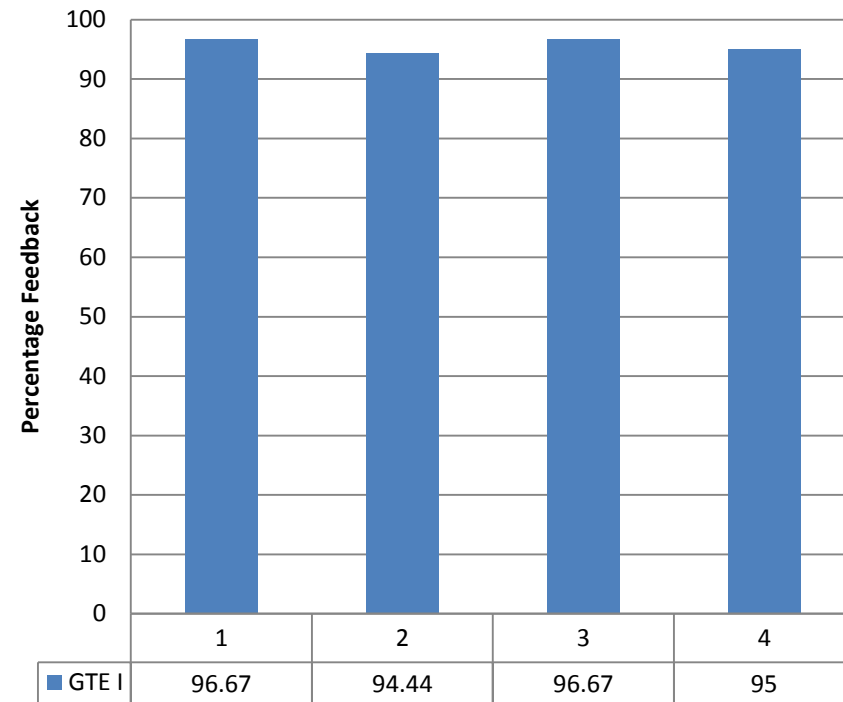| Course Outcome Analysis Report			
Branch	Civil Engg	Class: SE	Fluid Mechanics-I
	Sr. No	Course Outcome	**Percentage**
	1	Identify and obtain values of fluid properties and relationship between them.	93.6
	2	Recognize the principles written in form of mathematical equations and to apply these equations to analyze problems by making proper assumptions and learn systematic engineering methods to solve practical fluid mechanics problems.	97.6
	3	Conduct experiments, interpret and analyze data with experimental results in hydraulic engineering.	97.6
	4	Carry out calibration of discharge measuring equipments.	92.8
	5	Analyze fluid flows and will be able to design pipe networks.	96.8
		Average	95.68

Fluid Mechanics I

	1	2	3	4	5
Fluid Mechanics I	93.6	97.6	97.6	92.8	96.8

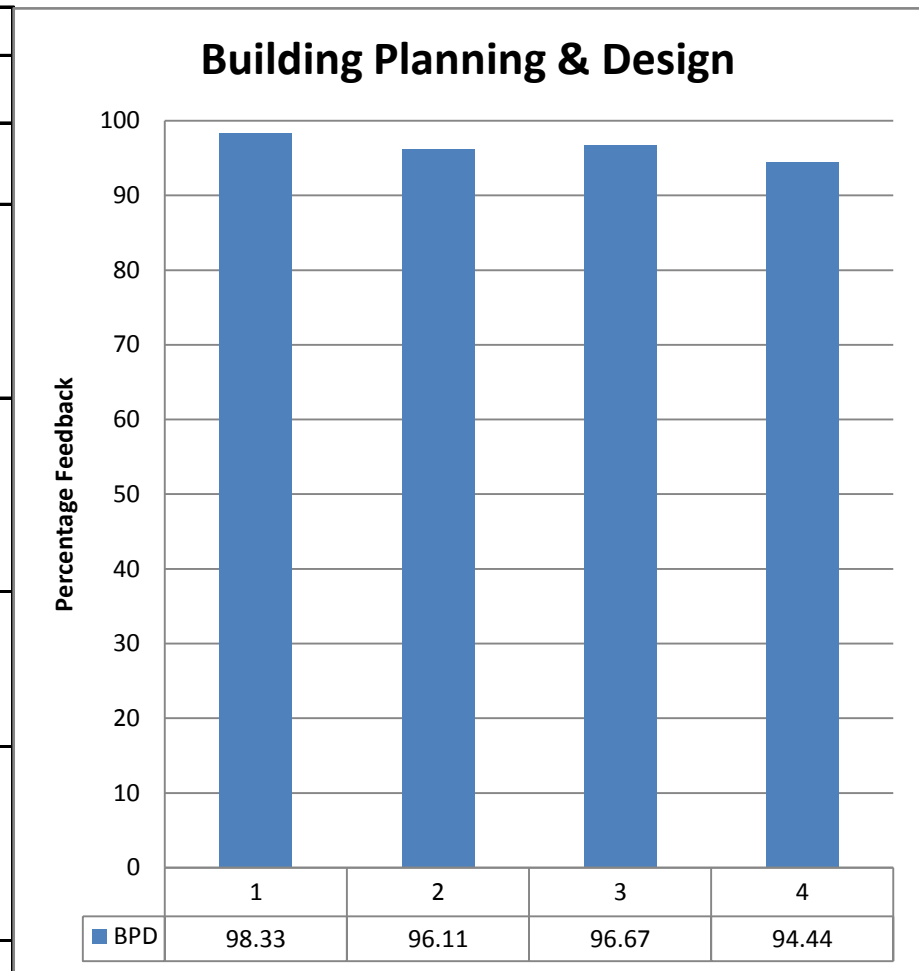| Course Outcome Analysis Report			
Branch	Civil Engg	Class: TE	Design of Steel Structures
	Sr. No	Course Outcome	**Percentage**
	1	Select various load combinations acting on steel structure elements and choose appropriate ones for steel structure design.	96.67
	2	Adopt and apply 'Limit State' design approach for designing various elements of steel structures for strength and serviceability.	96.67
	3	Design various steel structure elements viz. Bolted and welded connections, Tension members Compression members, Column bases, Flexural members etc. as per procedures defined by Indian Standard Code of practice : IS 800: 2007(General Construction in Steel)	93.33
	4	Analyze beams and portal frames by plastic analysis approach.	98.33
		Average	96.25

Design of Steel Structures

	1	2	3	4
DSS	96.67	96.67	93.33	98.33

Course Outcome Analysis Report

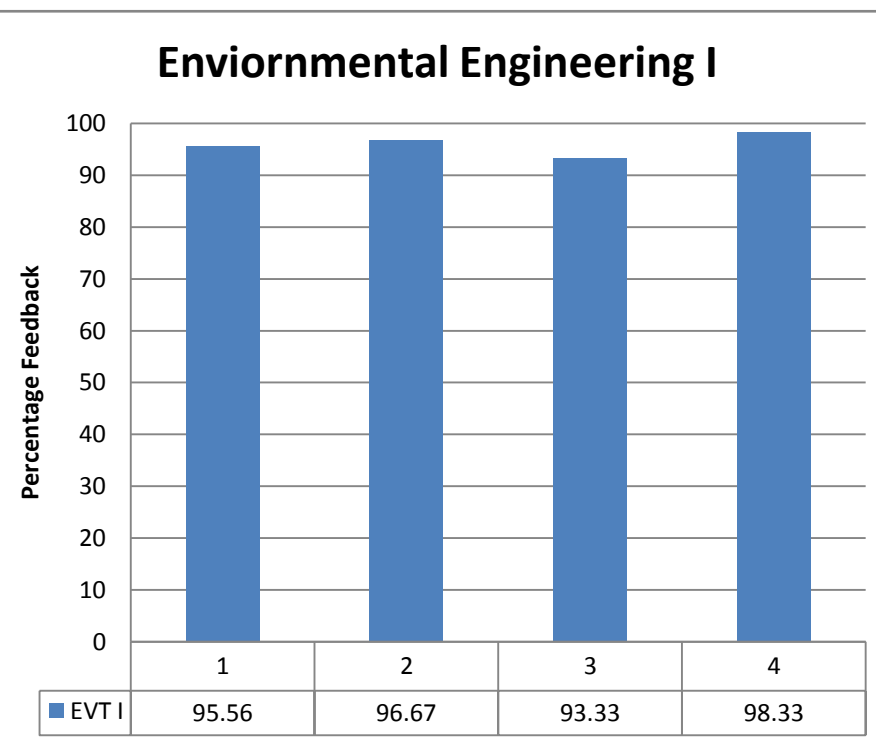| Branch	Civil Engg	Class: TE	Geotechnical Engineering I
	Sr. No	Course Outcome	**Percentage**
	1	Carry out experiments on soil to calculate various indices and strength properties to understand behavior of soil	96.67
	2	Apply basic hydraulic flow principles to soils, to calculate the seepage through earth structures and foundations.	94.44
	3	Apply one dimensional consolidation theory to estimate time-dependent settlements of foundations.	96.67
	4	Choose a suitable method for estimating earth pressure for a given situation.	95
		Average	95.695

Geotechnical Engineering I

	1	2	3	4
GTE I	96.67	94.44	96.67	95

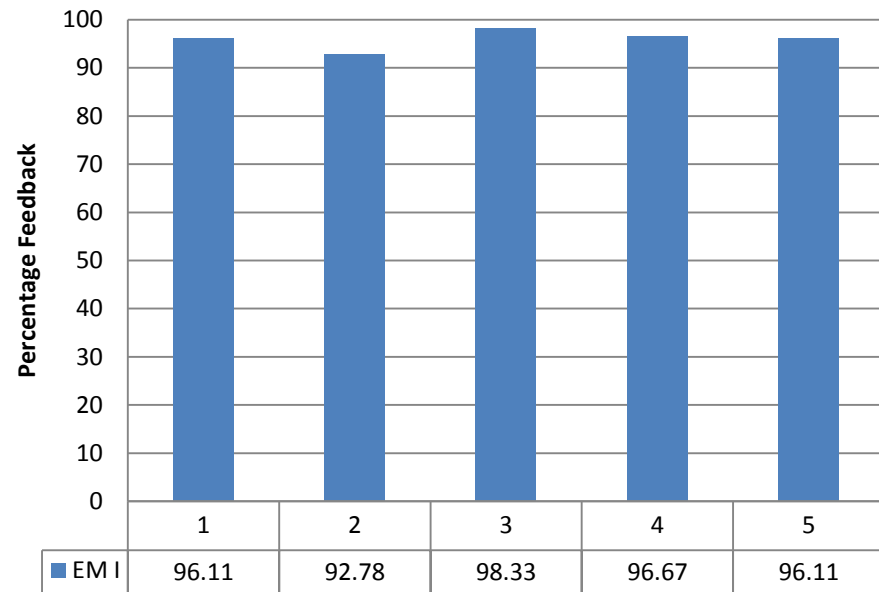| Course Outcome Analysis Report			
Branch	Civil Engg	Class: TE	Building Planning & Design
	Sr. No	Course Outcome	**Percentage**
	1	The students will be able to plan and design a public building according to requirements adhering to appropriate norms and standards.	98.33
	2	The students will be able to prepare 'Municipal drawing' for public buildings for obtaining building permission from competent authority.	96.11
	3	The students will be able to incorporate Green Building Design principles while designing public buildings.	96.67
	4	The students will be able prepare the building drawings by using suitable 'Computer Aided Drawing and Design' application software.	94.44
		Average	96.39

Building Planning & Design

	1	2	3	4
BPD	98.33	96.11	96.67	94.44

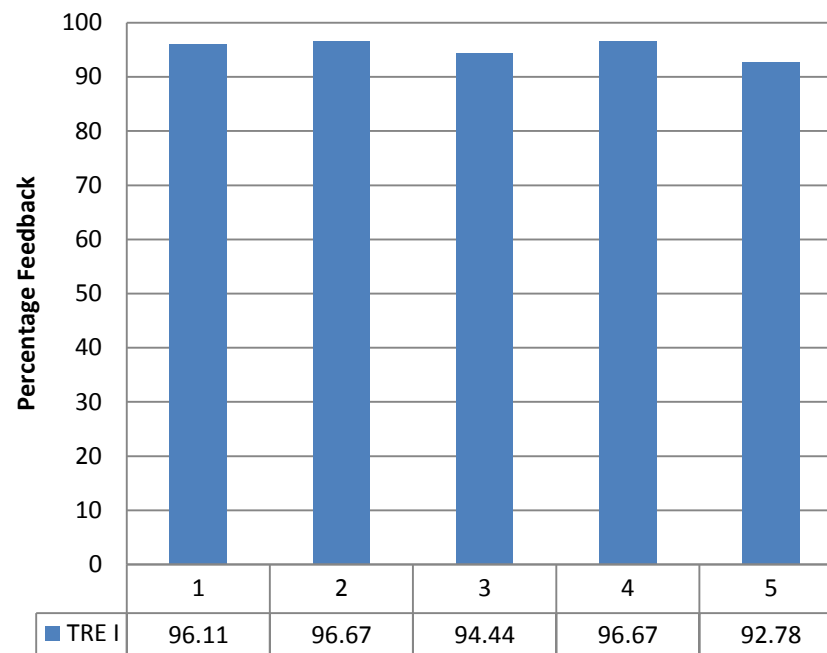| Course Outcome Analysis Report			
Branch	Civil Engg	Class: TE	Environmental Engineering I
	Sr. No	Course Outcome	**Percentage**
	1	Plan and design water supply systems for a rural/urban area based on population forecasts.	95.56
	2	Design various water treatment units and plan their operations on the basis of raw water quality and water demand.	96.67
	3	Apply knowledge of advanced water treatment processes for individual water purification units.	93.33
	4	Design and supervise building plumbing systems and their maintenance.	98.33
		Average	95.97

Enviornmental Engineering I

	1	2	3	4
EVT I	95.56	96.67	93.33	98.33

Percentage Feedback

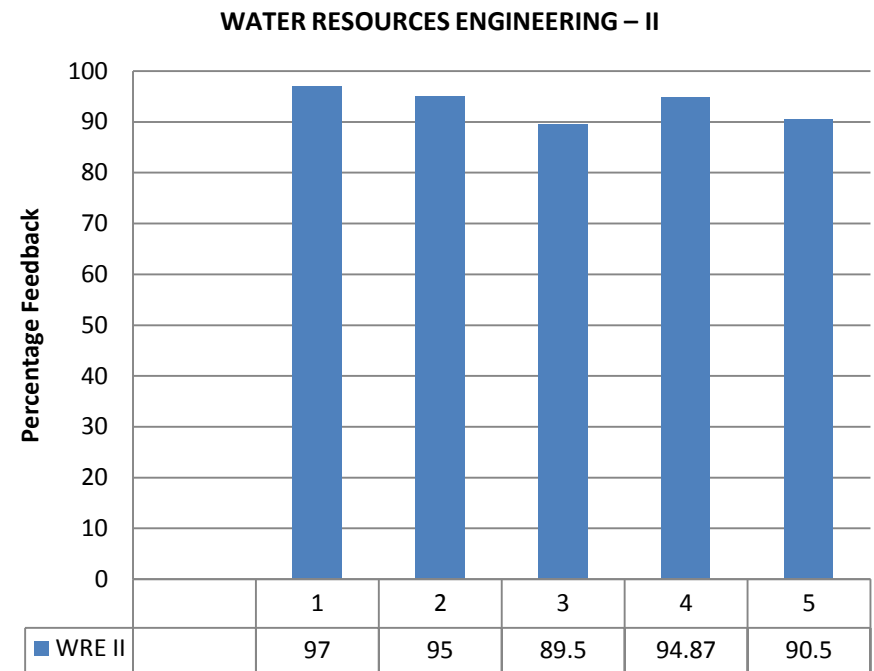| Course Outcome Analysis Report			
Branch	Civil Engg	Class: TE	Engineering Management- I
	Sr. No	Course Outcome	**Percentage**
	2	Apply the various Optimization techniques for decision making in construction industry.	92.78
	3	Successfully manage the inventory of a project or industry.	98.33
	4	Assess and assure about quality of materials and workmanship, in Civil Engineering projects.	96.67
	5	Prepare suitable disaster management plan and implement it effectively to mitigate the disaster.	96.11
		Average	76.78

Engineering Management I

	1	2	3	4	5
EM I	96.11	92.78	98.33	96.67	96.11

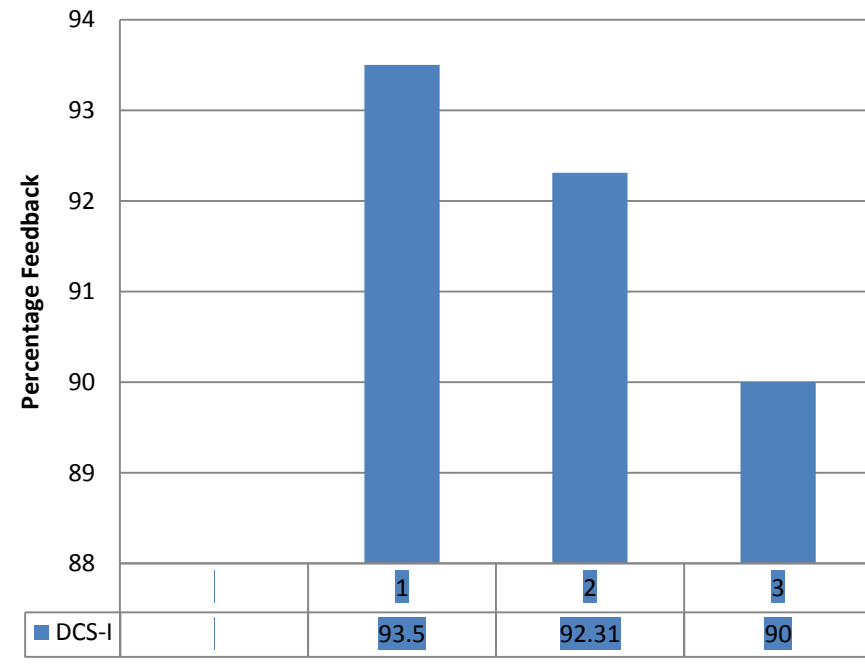| Course Outcome Analysis Report			
Branch	Civil Engg	Class: TE	Transportation Engineering I
	Sr. No	Course Outcome	**Percentage**
	1	The students will be able to carry out geometric design and pavement design of roads for particular nature and intensity of traffic as per IRC standards.	96.11
	2	The student will be able carry out testing various road construction materials in Laboratory using modern equipments & instruments and draw appropriate conclusions regarding their usability.	96.67
	3	The student will be able to undertake traffic studies and adopt appropriate traffic signals.	94.44
	4	The student will be able to design various bridge components.	96.67
	5	The students will be able to select appropriate shape of tunnel and adopt proper tunnelling method of tunnel construction.	92.78
		Average	95.33

Transportation Engineering I

	1	2	3	4	5
■ TRE I	96.11	96.67	94.44	96.67	92.78

Course Outcome Analysis Report

| Branch	Civil Engg	Class: BE	Water Resources Engineering II
	Sr. No	Course Outcome	**Percentage**
	1	Plan and design the reservoirs depending upon the water resources potential.	97
	2	Analyze and design Gravity dams and Earth dams (Simple Designs).	95
	3	Demonstrate the design principles of Arch dams.	89.5
	4	Solve seepage problems for Weirs on Permeable Foundations	94.87
	5	Demonstrate the knowledge of water power engineering and river training.	90.5
		Average	93.37

WATER RESOURCES ENGINEERING – II

	1	2	3	4	5
WRE II	97	95	89.5	94.87	90.5

Percentage Feedback

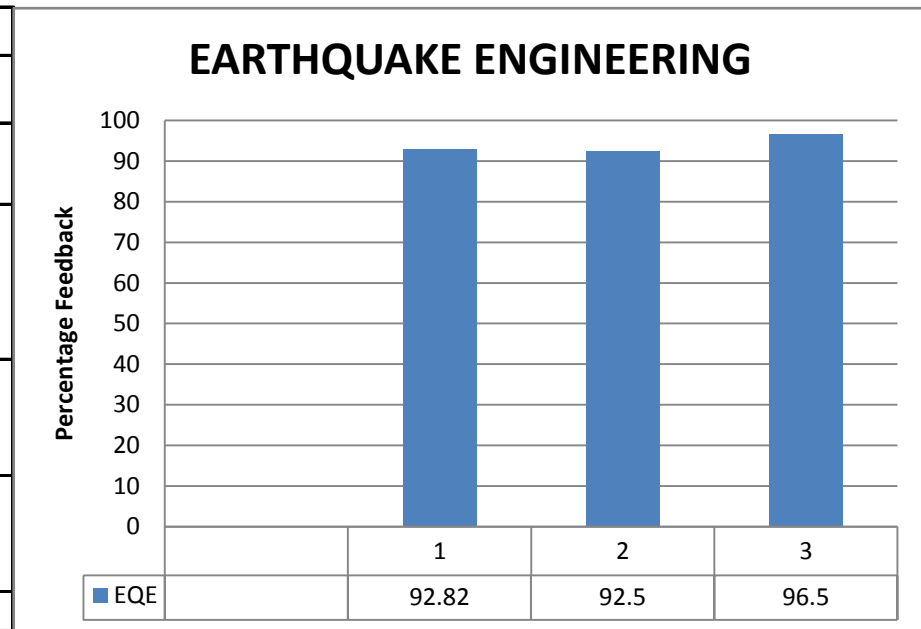| Course Outcome Analysis Report			
Branch	Civil Engg	Class: BE	Design of Concrete Structures I
	Sr. No	Course Outcome	**Percentage**
	1	Use IS code of practice for the design of concrete elements	93.5
	2	Design the beams, slab and columns	92.31
	3	Design and prepare detailed drawings of various RCC structural elements	90
		Average	91.94

Design of Concrete Structures-I

		1	2	3
DCS-I		93.5	92.31	90

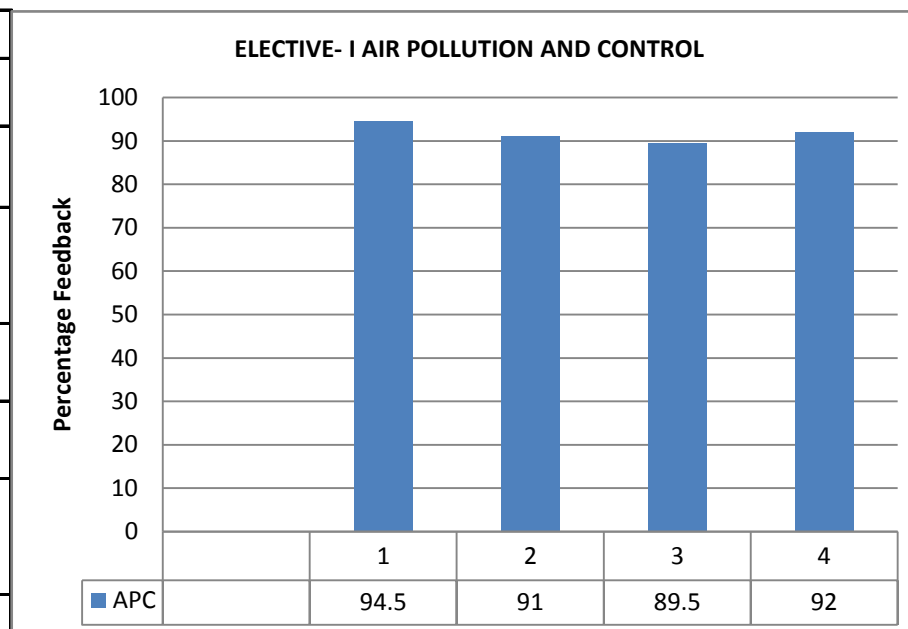| Course Outcome Analysis Report			
Branch	Civil Engg	Class: BE	Quantity Surveying & Valuation
	Sr. No	Course Outcome	**Percentage**
	1	Write specifications and prepare estimates for various Civil Engineering works.	97
	2	Carry out analysis of rates for various items of works of construction.	92.5
	3	Carry out valuation of land and buildings.	90.5
	4	Demonstrate professional ethics in Civil Engineering sector.	95.12
		Average	93.78

Quantity Surveying & Valuation

	1	2	3	4
QSV	97	92.5	90.5	95.12
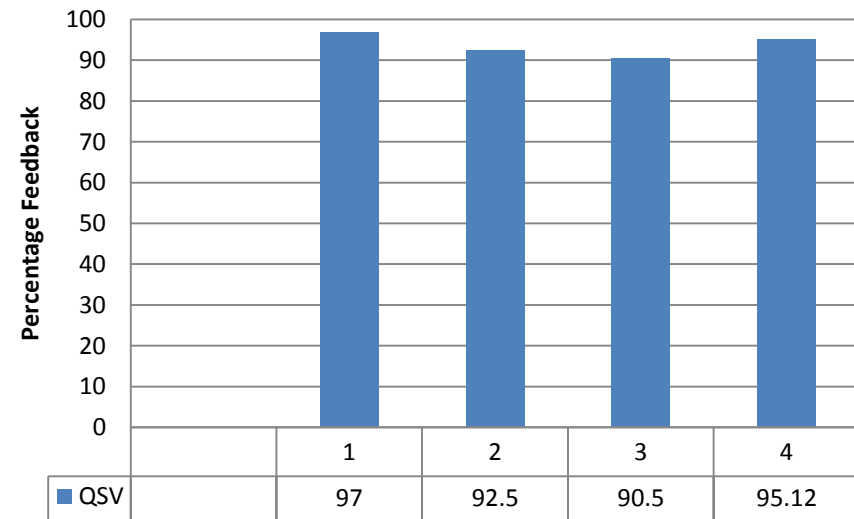
Course Outcome Analysis Report			
Branch	Civil Engg	Class: BE	Earthquake Engineering
	Sr. No	Course Outcome	**Percentage**
	1	Apply the Principles of Earthquake Engineering in planning, design and construction of building	92.82
	2	Demonstrate the dynamic analysis of structures under earthquake load	92.5
	3	Incorporate Earthquake resistant features for various types of construction.	96.5
		Average	93.94

EARTHQUAKE ENGINEERING

	1	2	3
EQE	92.82	92.5	96.5

Percentage Feedback

Course Outcome Analysis Report			
Branch	Civil Engg	Class: BE	Air Pollution & Control
	Sr. No	Course Outcome	**Percentage**
	1	Identify the sources of air pollutants and their effect on human, plants and materials.	94.5
	2	Apply knowledge of meteorology for controlling air pollution	91
	3	Design of air pollution controlling equipments.	89.5
	4	Use knowledge of legislation for prevention and control of air pollution.	92
		Average	91.75

ELECTIVE- I AIR POLLUTION AND CONTROL

	1	2	3	4
APC	94.5	91	89.5	92

Course Outcome Analysis Report			
Branch	Civil Engg	Class: BE	Design of Foundation
	Sr. No	Course Outcome	**Percentage**
	1	Evaluate the bearing capacity of soil analytically as well as by field test such as plate load test, Standard Penetration test etc.	97
	2	Design the different shallow foundation and deep foundation to meet the site requirement and loading conditions	90
	3	Apply suitable soil improvement techniques such as soil isolation, Geotextiles or using CNS soil for the give field condition.	94.87
	4	Design the simple machine foundations using codal provision.	88.5
		Average	92.59

ELECTIVE- I DESIGN OF FOUNDATIONS

	1	2	3	4
DOF	97	90	94.87	88.5