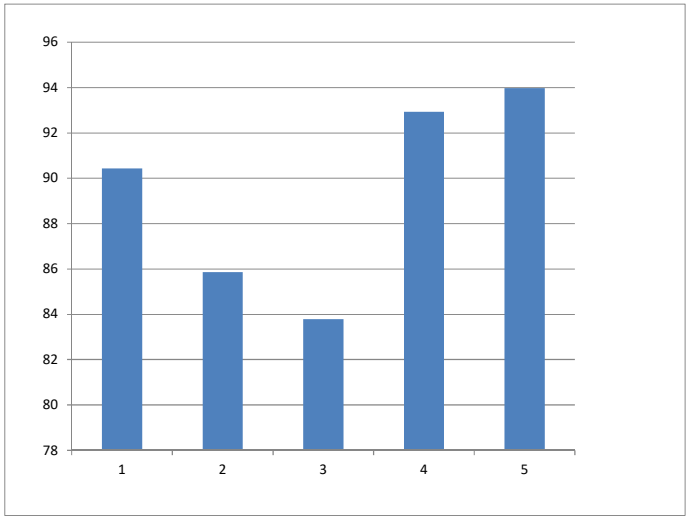
Course Outcome Analysis Report

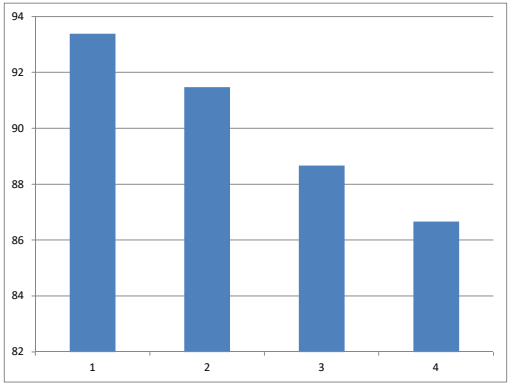
FE (All Branch)	Subject:Basic Electronics	
Sr.No.	**Course Outcome**	**Percentage**
1	Test and measure various electronic components.	90.43
2	Explain construction, biasing, V-I characteristics and application of diode and BJT.	85.86
3	Select appropriate transducers to measure various physical parameters like distance, temperature etc.	83.79
4	Perform arithmetic operations on digital number system.	92.93
5	Draw truth table of logic gate and solve Boolean expressions.	93.97

Average Percentage 89.39



Course Outcome Analysis Report

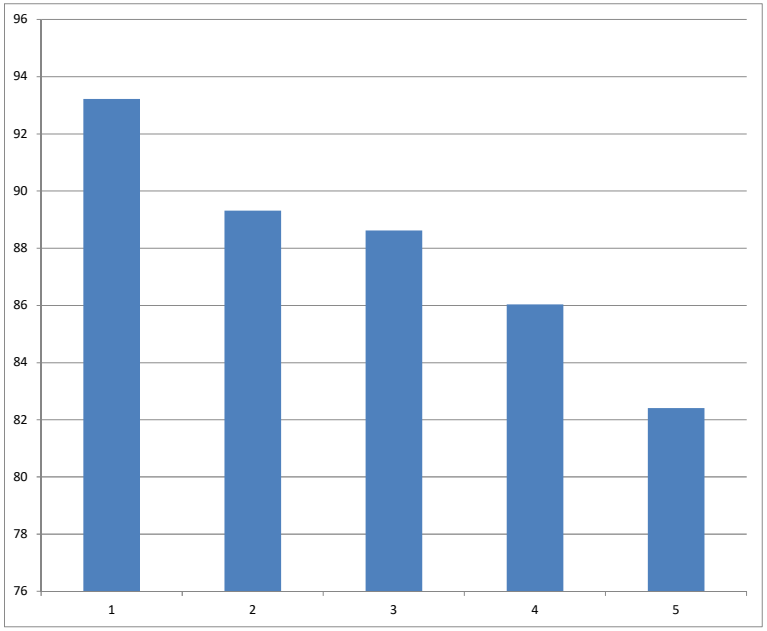
FE (All Branch)	Subject : Computer Programming	
Sr.No.	**Course Outcome**	**Percentage**
1	Design flowchart / algorithms for given problem	93.39
2	Write, compile, debug & execute structured C programs by applying knowledge of various C features like control and loop structures.	91.48
3	Write, compile, debug & execute structured C programs by applying knowledge of various C features like array, pointer and function.	88.67
4	Apply features like structure and unions efficiently in small C applications.	86.67



Average Percentage 90.05

Course Outcome Analysis Report

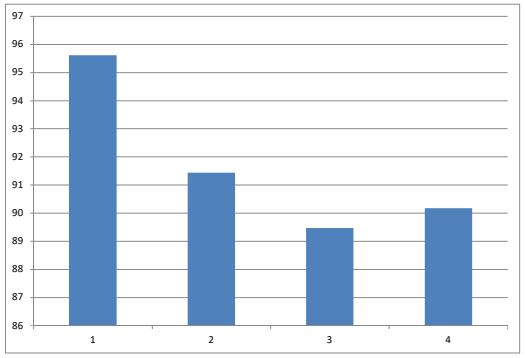
FE (All Branch)	Subject:Basic Civil Enigneering	
Sr.No.	**Course Outcome**	**Percentage**
1	Describe the role of civil engineer in the development of the society and explain relationship of civil engineering with other branches of engineering and technology.	93.22
2	Discuss types of buildings and select materials of construction.	89.31
3	Explain the elements of water supply such as dam, canal and elements of transportation structures.	88.62
4	Measure heights, distances and angles on ground using basic surveying instruments and plot them on paper.	86.03
5	Explain the advantages of advances in civil engineering like remote sensing techniques, GIS and GPS.	82.41



Average Percentage 87.92

Course Outcome Analysis Report

FE (All Branch)	Subject:Basic Mechanical Engineering	
Sr.No.	**Course Outcome**	**Percentage**
1	Calculate the heat and work quantum in the area of refrigeration & air conditioning system and I.C. engines.	95.61
2	Categorize and select the type of power producing/absorbing systems for a typical application.	91.43
3	Select the power transmission element for day to day applications and identify various design considerations in mechanical engineering design.	89.47
4	Select a proper machining/joining process for required application.	90.17

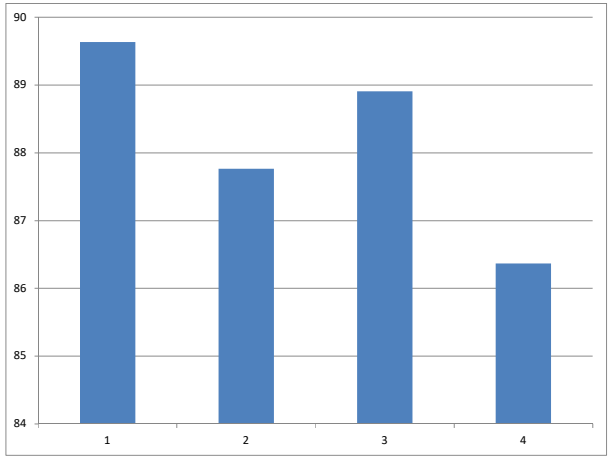


Average Percentage 91.67

Course Outcome Analysis Report

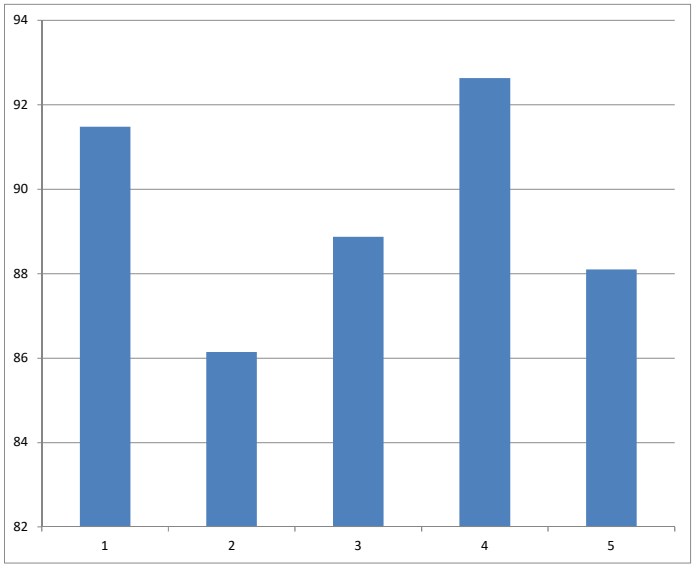
FE (All Branch)	Subject:Basic Electrical Engineering	
Sr.No.	**Course Outcome**	**Percentage**
1	Student can apply the network theorems to analyze dc circuits and calculate energy consumption in electrical systems.	89.64
2	Student can use the concept of magnetic circuits to calculate parameters of circuits and single phase transformer	87.77
3	Student can apply knowledge of ac fundamentals to analyze series & parallel ac circuits.	88.91
4	Student can use the concept of poly phase ac circuit to analyze three phase star, delta circuits and working of electrical drives.	86.37

Average Percentage 88.17



Course Outcome Analysis Report

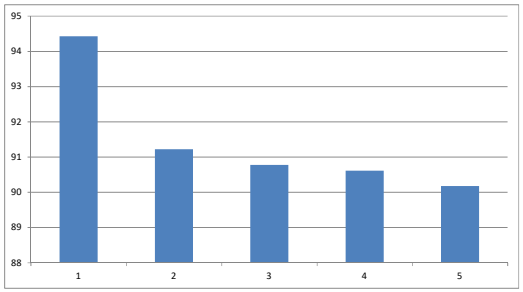
FE (All Bran	Subject:Engineering Mathematics-I	
Sr.No.	**Course Outcome**	**Percentage**
1	Student can write higher order derivative of standard functions.	91.48
2	Student can express the power series expansion of a given function and evaluate limits	86.14
3	Student can apply De-Moivre's theorem to determine roots of polynomial and can express hyperbolic, inverse hyperbolic functions	88.87
4	Students are able to use matrices techniques for solving system simultaneous linear equations , Eigen values and Eigen vectors of the matrix	92.63
5	Student can evaluate partial derivatives and can implement to estimate maxima and minima of multivariable function	88.1



Average Percentage 89.44

Course Outcome Analysis Report

FE (All Branch)	Subject: Applied Mechanics	
Sr.No.	Course Outcome	Percentage
1	Apply fundamental knowledge of engineering mechanics for rigid bodies acted upon by system of forces..	94.43
2	Analyze various types of statically determinate pin jointed trusses by analytical and graphical methods	91.23
3	Apply knowledge of kinematics of rigid body motion to solve engineering problems in dynamics.	90.78
4	Apply knowledge of kinetics of rigid body motion to solve engineering problems in dynamics.	90.62
5	Solve problems relating work, power and energy in various contexts of engineering	90.18

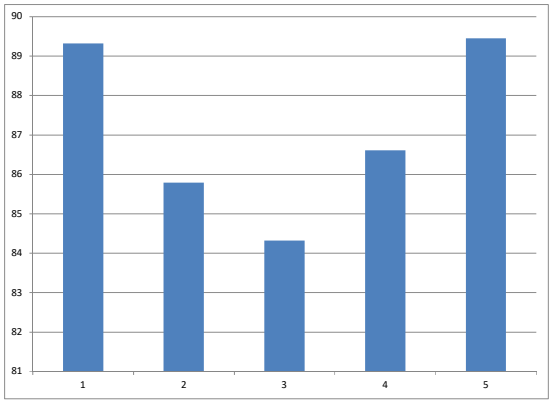


Average Percentage 91.45

Course Outcome Analysis Report

FE (All Branch)	Subject:Engineering Chemistry	
Sr.No.	**Course Outcome**	**Percentage**
1	Describe importance of quality of water and appropriate water treatment	89.32
2	Recognize various types of corrosion & propose a suitable prevention technique.	85.79
3	Describe various instrumental techniques and environmental friendly chemical syntheses process.	84.32
4	Identify and explain different engineering materials like metals, ceramics, fuels, lubricants, polymers for various engineering and day to day applications.	86.61
5	Calculate hardness of water, concentration of unknown solution, calorific value of fuels, saponification & acid value of oils, molecular weight of polymers etc.	89.45

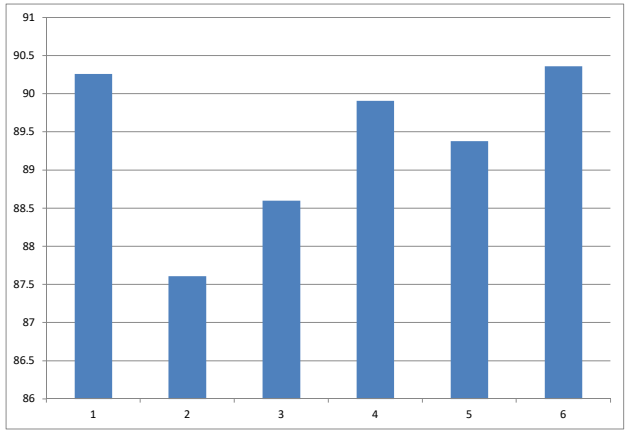
Average Percentage 87.09



Course Outcome Analysis Report

FE (All Branch)	Subject:Engineering Physics	
Sr.No.	**Course Outcome**	**Percentage**
1	Express the basic concepts of diffraction and polarization and can relate them to day to day observable phenomena.	90.26
2	Reveal the formation of materials and their internal structure.	87.61
3	Apply basic concepts of acoustics and ultrasonic for basic civil and other engineering applications.	88.6
4	Relate space, time, mass and energy equations.	89.91
5	Compile the applications of laser and fiber optics in the field of industry, medical and telecommunication.	89.38
6	Explain the principles of fission and fusion, significance for power generation and basic concepts of nanoscience	90.36

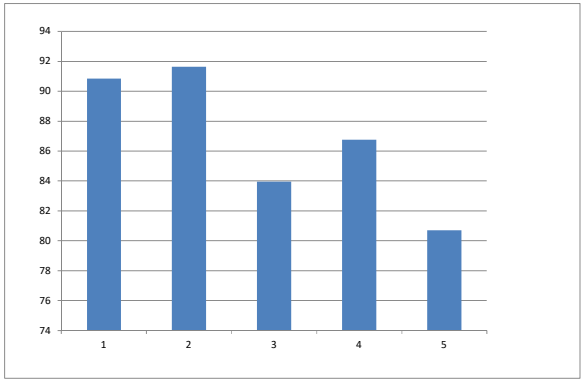
Average Percentage 89.35



Course Outcome Analysis Report

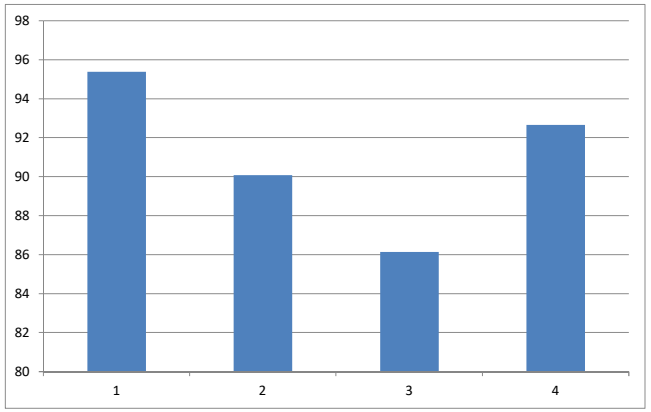
FE (All Branch)	Subject:Engineering Mathematics-II	
Sr.No.	**Course Outcome**	**Percentage**
1	Solve first order ordinary differential equation and able to apply in different engineering applications	90.86
2	Use different vector differential operators	91.65
3	Test divergence & convergence of infinite series	83.96
4	Explain curve tracing with justification.	86.78
5	Evaluate improper and multiple integrals and determine area, mass of region bounded between curves	80.71

Average Percentage 86.6



Course Outcome Analysis Report

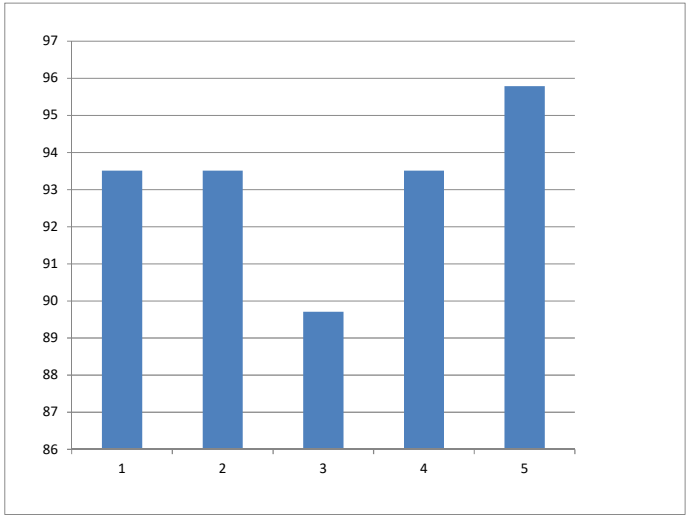
FE (All Branch)	Subject:Engineering Graphics	
Sr.No.	**Course Outcome**	**Percentage**
1	Draw projection of lines and planes for engineering applications..	95.38
2	Draw regular and sectional views of various types of solids	90.09
3	Draw the 2 D view (orthogonal views) given 3D drawing	86.15
4	Draw the development of the regular and truncated solids.	92.65



Average Percentage 91.07

Course Outcome Analysis Report

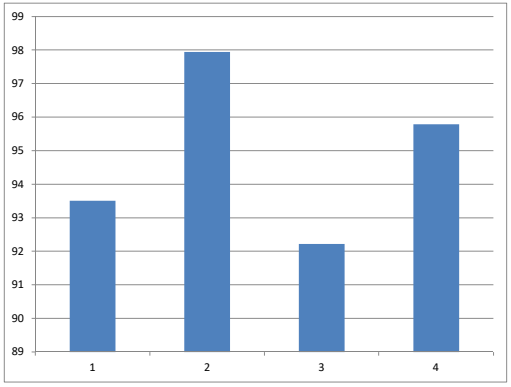
FE (All Branch)	Subject:Basic Electronics	
Sr.No.	**Course Outcome**	**Percentage**
1	Test and measure various electronic components.	93.51
2	Explain construction, biasing, V-I characteristics and application of diode and BJT.	93.51
3	Select appropriate transducers to measure various physical parameters like distance, temperature etc.	89.71
4	Perform arithmetic operations on digital number system.	93.51
5	Draw truth table of logic gate and solve Boolean expressions.	95.79



Average Percentage 93.2

Course Outcome Analysis Report

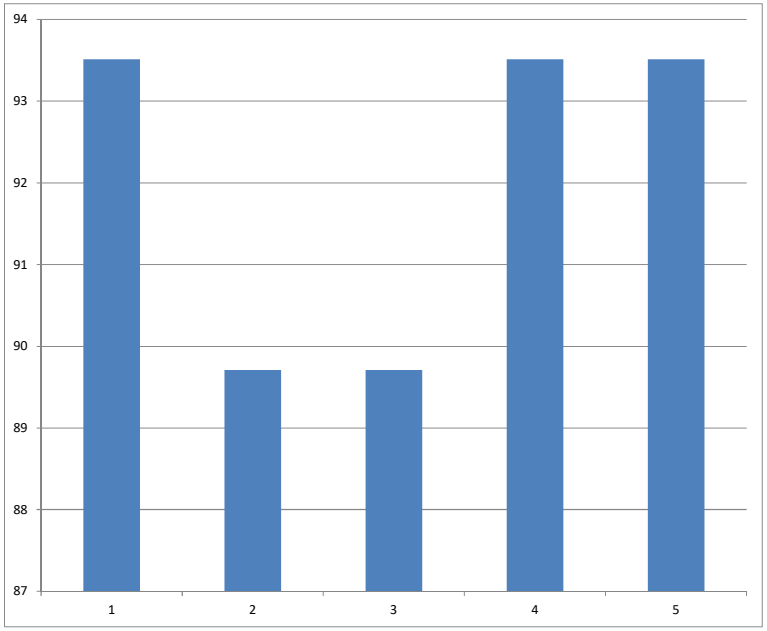
FE (All Branch)	Subject : Computer Programming	
Sr.No.	**Course Outcome**	**Percentage**
1	Design flowchart / algorithms for given problem	93.51
2	Write, compile, debug & execute structured C programs by applying knowledge of various C features like control and loop structures.	97.95
3	Write, compile, debug & execute structured C programs by applying knowledge of various C features like array, pointer and function.	92.22
4	Apply features like structure and unions efficiently in small C applications.	95.79



Average Percentage 94.87

Course Outcome Analysis Report

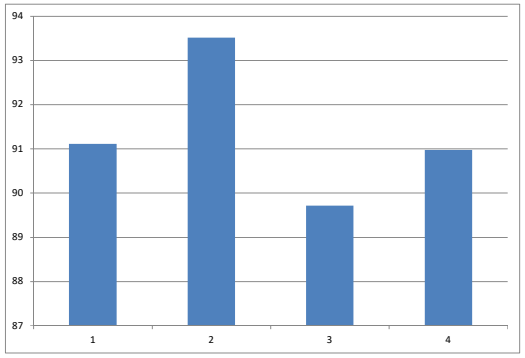
FE (All Branch)	Subject:Basic Civil Enigneering	
Sr.No.	**Course Outcome**	**Percentage**
1	Describe the role of civil engineer in the development of the society and explain relationship of civil engineering with other branches of engineering and technology.	93.51
2	Discuss types of buildings and select materials of construction.	89.71
3	Explain the elements of water supply such as dam, canal and elements of transportation structures.	89.71
4	Measure heights, distances and angles on ground using basic surveying instruments and plot them on paper.	93.51
5	Explain the advantages of advances in civil engineering like remote sensing techniques, GIS and GPS.	93.51



Average Percentage 92

Course Outcome Analysis Report

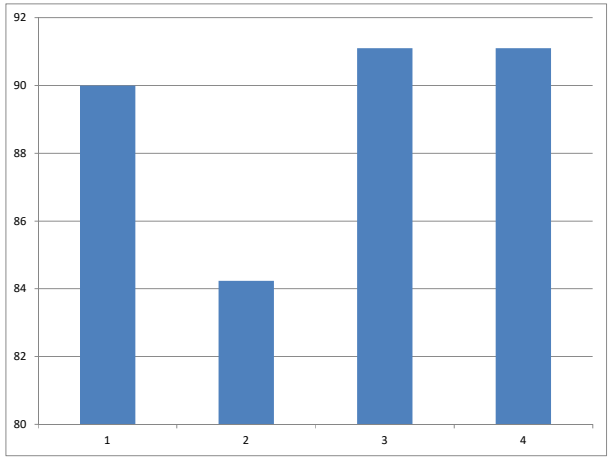
FE (All Branch)	Subject:Basic Mechanical Engineering	
Sr.No.	**Course Outcome**	**Percentage**
1	Calculate the heat and work quantum in the area of refrigeration & air conditioning system and I.C. engines.	91.11
2	Categorize and select the type of power producing/absorbing systems for a typical application.	93.51
3	Select the power transmission element for day to day applications and identify various design considerations in mechanical engineering design.	89.71
4	Select a proper machining/joining process for required application.	90.97



Average Percentage 91.32

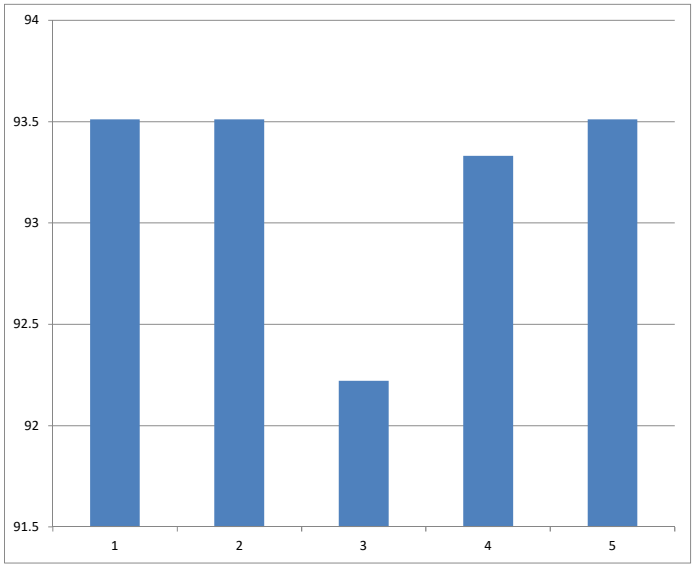
Course Outcome Analysis Report

FE (All Branch)	Subject:Basic Electrical Engineering	
Sr.No.	**Course Outcome**	**Percentage**
1	Student can apply the network theorems to analyze dc circuits and calculate energy consumption in electrical systems.	90
2	Student can use the concept of magnetic circuits to calculate parameters of circuits and single phase transformer	84.24
3	Student can apply knowledge of ac fundamentals to analyze series & parallel ac circuits.	91.11
4	Student can use the concept of poly phase ac circuit to analyze three phase star, delta circuits and working of electrical drives.	91.11
Average Percentage		89.11



Course Outcome Analysis Report

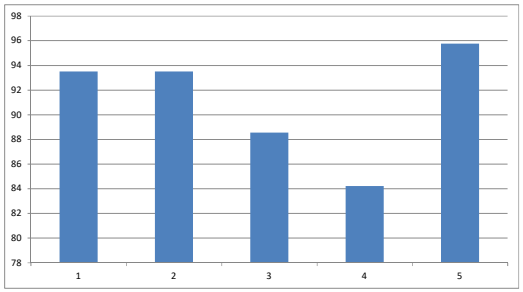
FE (All Bran	Subject:Engineering Mathematics-I	
Sr.No.	**Course Outcome**	**Percentage**
1	Student can write higher order derivative of standard functions.	93.51
2	Student can express the power series expansion of a given function and evaluate limits	93.51
3	Student can apply De-Moivre's theorem to determine roots of polynomial and can express hyperbolic, inverse hyperbolic functions	92.22
4	Students are able to use matrices techniques for solving system simultaneous linear equations , Eigen values and Eigen vectors of the matrix	93.33
5	Student can evaluate partial derivatives and can implement to estimate maxima and minima of multivariable function	93.51



Average Percentage 93.22

Course Outcome Analysis Report

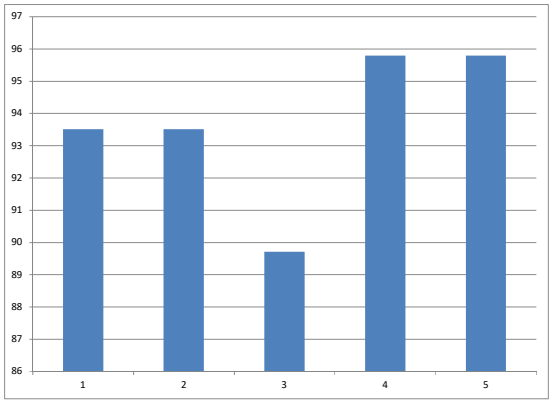
FE (All Branch)	Subject: Applied Mechanics	
Sr.No.	Course Outcome	Percentage
1	Apply fundamental knowledge of engineering mechanics for rigid bodies acted upon by system of forces..	93.51
2	Analyze various types of statically determinate pin jointed trusses by analytical and graphical methods	93.51
3	Apply knowledge of kinematics of rigid body motion to solve engineering problems in dynamics.	88.57
4	Apply knowledge of kinetics of rigid body motion to solve engineering problems in dynamics.	84.24
5	Solve problems relating work, power and energy in various contexts of engineering	95.79



Average Percentage 91.12

Course Outcome Analysis Report

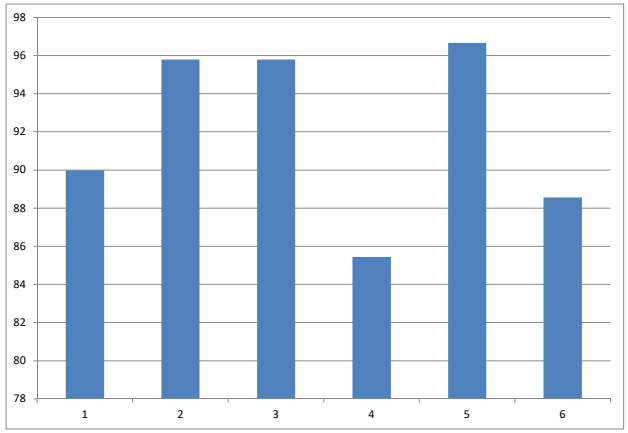
FE (All Branch)	Subject:Engineering Chemistry	
Sr.No.	**Course Outcome**	**Percentage**
1	Describe importance of quality of water and appropriate water treatment	93.51
2	Recognize various types of corrosion & propose a suitable prevention technique.	93.51
3	Describe various instrumental techniques and environmental friendly chemical syntheses process.	89.71
4	Identify and explain different engineering materials like metals, ceramics, fuels, lubricants, polymers for various engineering and day to day applications.	95.79
5	Calculate hardness of water, concentration of unknown solution, calorific value of fuels, saponification & acid value of oils, molecular weight of polymers etc.	95.79



Average Percentage 93.66

Course Outcome Analysis Report

FE (All Branch)	Subject:Engineering Physics	
Sr.No.	**Course Outcome**	**Percentage**
1	Express the basic concepts of diffraction and polarization and can relate them to day to day observable phenomena.	90
2	Reveal the formation of materials and their internal structure.	95.79
3	Apply basic concepts of acoustics and ultrasonic for basic civil and other engineering applications.	95.79
4	Relate space, time, mass and energy equations.	85.45
5	Compile the applications of laser and fiber optics in the field of industry, medical and telecommunication.	96.67
6	Explain the principles of fission and fusion, significance for power generation and basic concepts of nanoscience	88.57

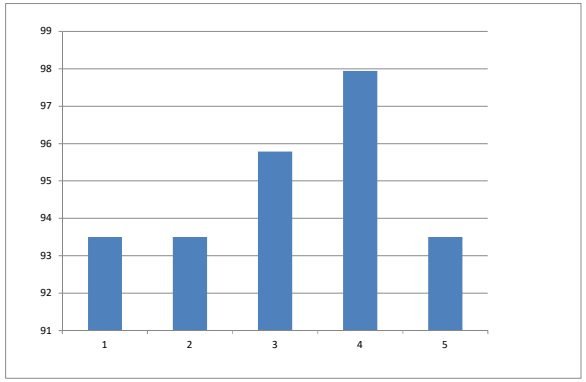


Average Percentage 92.05

Course Outcome Analysis Report

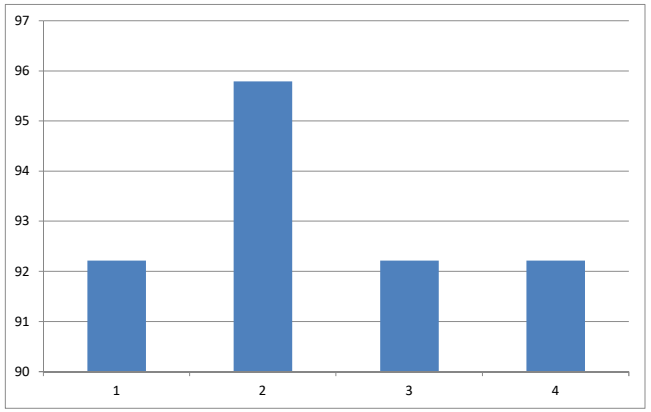
FE (All Branch)	Subject:Engineering Mathematics-II	
Sr.No.	**Course Outcome**	**Percentage**
1	Solve first order ordinary differential equation and able to apply in different engineering applications	93.51
2	Use different vector differential operators	93.51
3	Test divergence & convergence of infinite series	95.79
4	Explain curve tracing with justification.	97.95
5	Evaluate improper and multiple integrals and determine area, mass of region bounded between curves	93.51

Average Percentage 94.85



Course Outcome Analysis Report

FE (All Branch)	Subject:Engineering Graphics	
Sr.No.	**Course Outcome**	**Percentage**
1	Draw projection of lines and planes for engineering applications..	92.22
2	Draw regular and sectional views of various types of solids	95.79
3	Draw the 2 D view (orthogonal views) given 3D drawing	92.22
4	Draw the development of the regular and truncated solids.	92.22



Average Percentage 93.11