

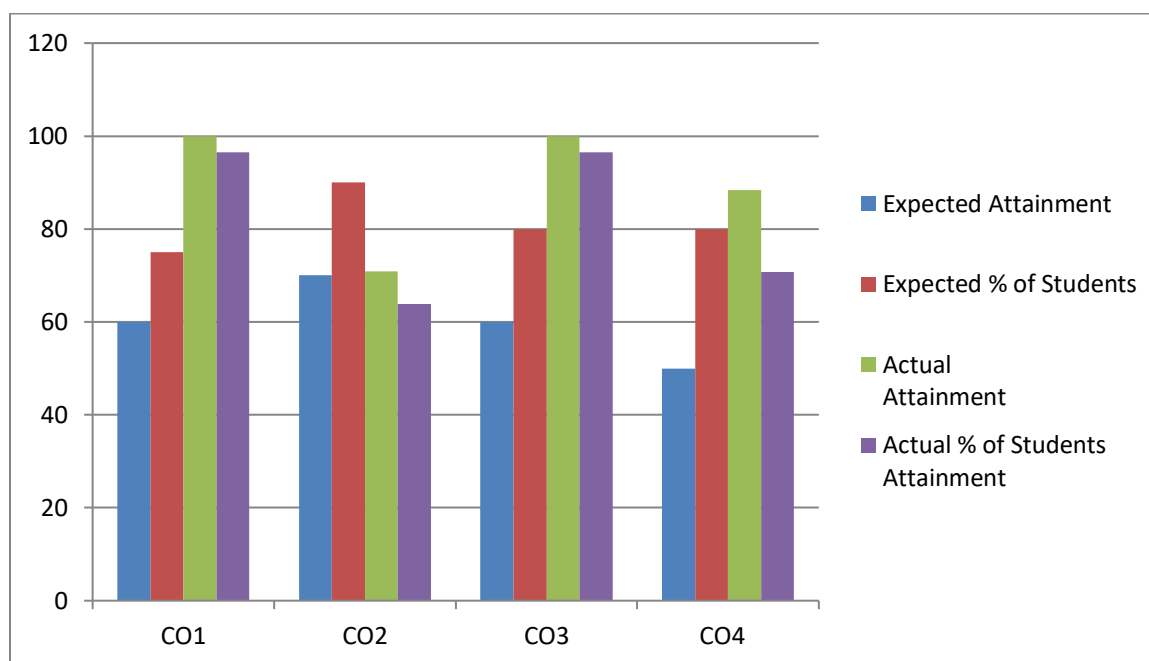
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UIT517 OPEN SOURCE METHODOLOGIES

CO1	To remember the various Unix commands for directory, editor, shell programming. Android layers, components, and user interfaces.
CO2	To get the idea of the Unix, Linux, and Android program commands.
CO3	To execute the programs by using the various Unix, Linux commands.
CO4	To review by using the commands and operations get proper output.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	97
CO2	70	90	71	64
CO3	60	80	100	97
CO4	50	80	88	71



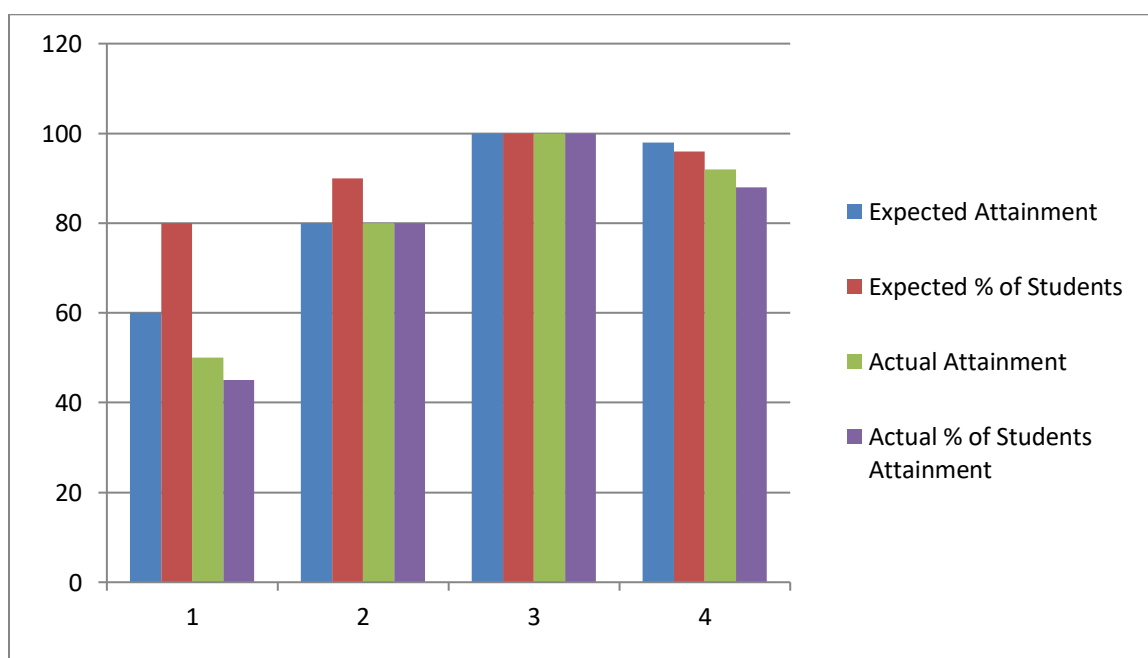
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UIT518 - Information Security

CO1	To recollect basic concepts of network security
CO2	To understand basic knowledge of cryptography
CO3	To apply diverse security mechanisms to networks, operating systems and programming languages.
CO4	To evaluate various security algorithms.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	80	100	98
CO2	80	90	100	96
CO3	50	80	100	92
CO4	45	80	100	88



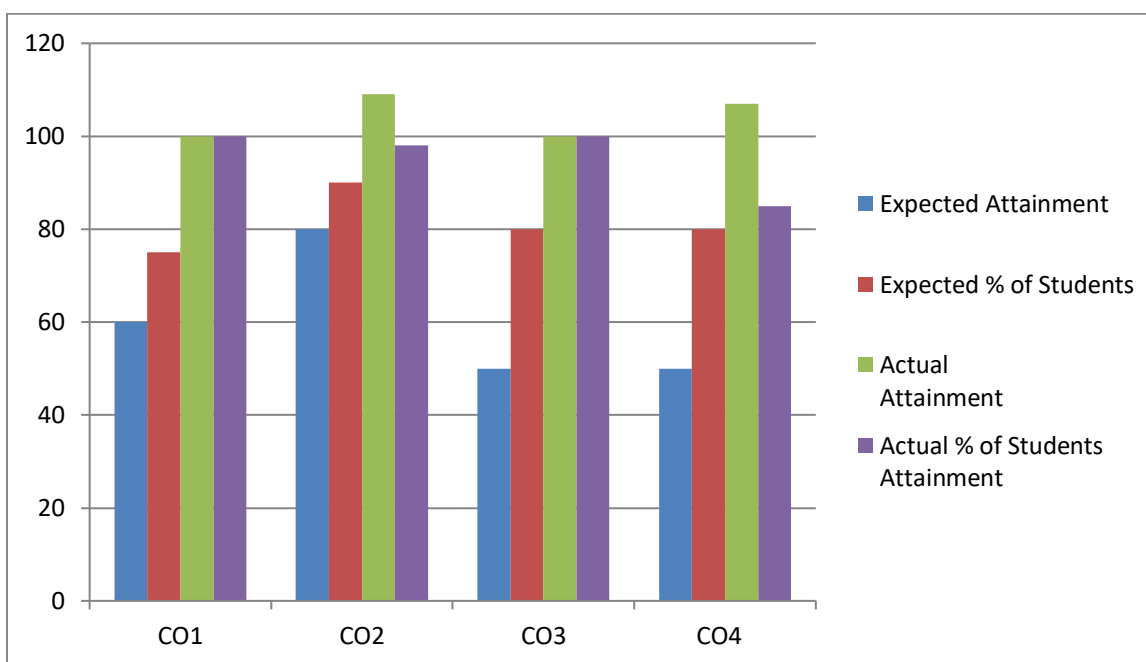
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UIT519 - CLOUD COMPUTING

CO1	To recollect cloud networking concepts
CO2	To understand and familiar with the basic concepts of cloud computing and python
CO3	To apply cloud to large scale distributed systems
CO4	To figure out security issues in cloud computing

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	100
CO2	80	90	100	98
CO3	50	80	100	100
CO4	50	80	100	85



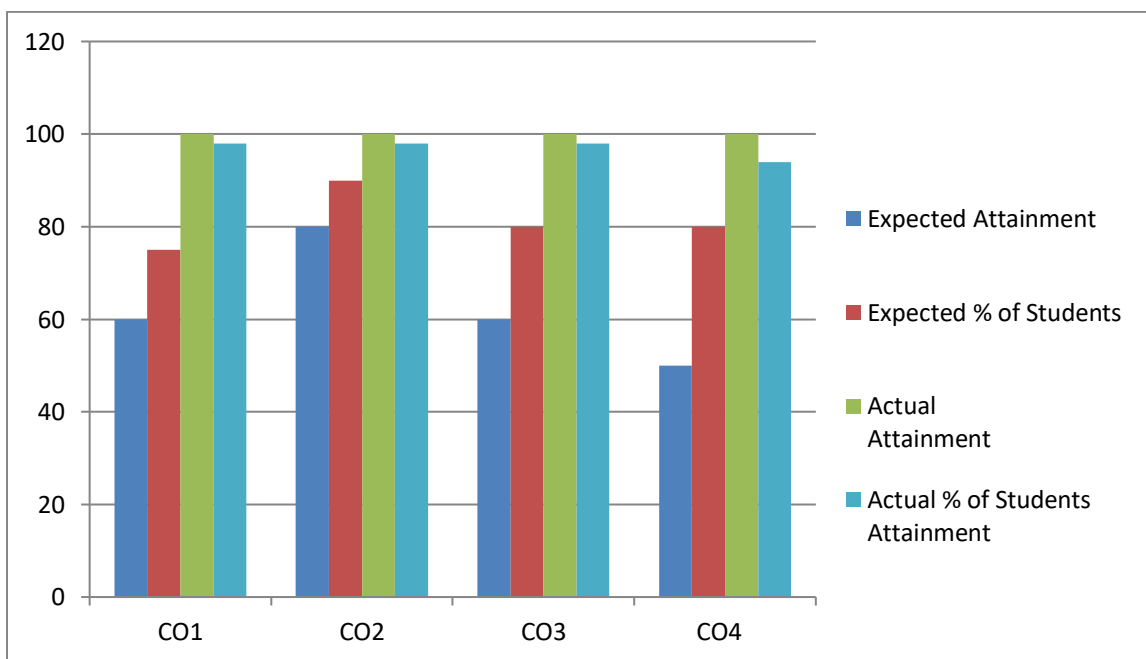
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UIT622 COMPUTER GRAPHICS

- CO1 To keep in mind basic graphics systems
CO2 To understand various graphical algorithms
CO3 To implement two, three dimensional and clipping algorithms
CO4 To sort of visible surface detection methods

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	98
CO2	80	90	100	98
CO3	60	80	100	98
CO4	50	80	100	94



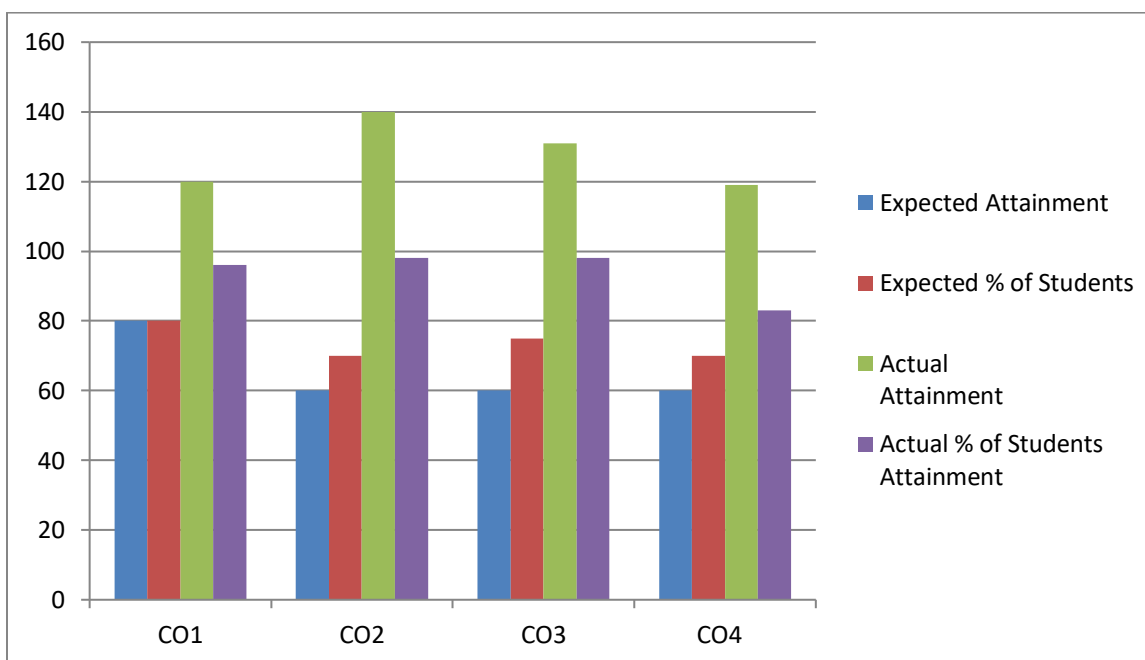
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UIT623 Artificial Intelligence

CO1	To keep in mind different search strategies for a problem
CO2	To understand concepts of semantic net
CO3	To implement a AI problem to be solved using prolog
CO4	To evaluate different knowledge representation schemes for AI problems

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	80	100	96
CO2	60	70	100	98
CO3	60	75	100	98
CO4	60	70	100	83



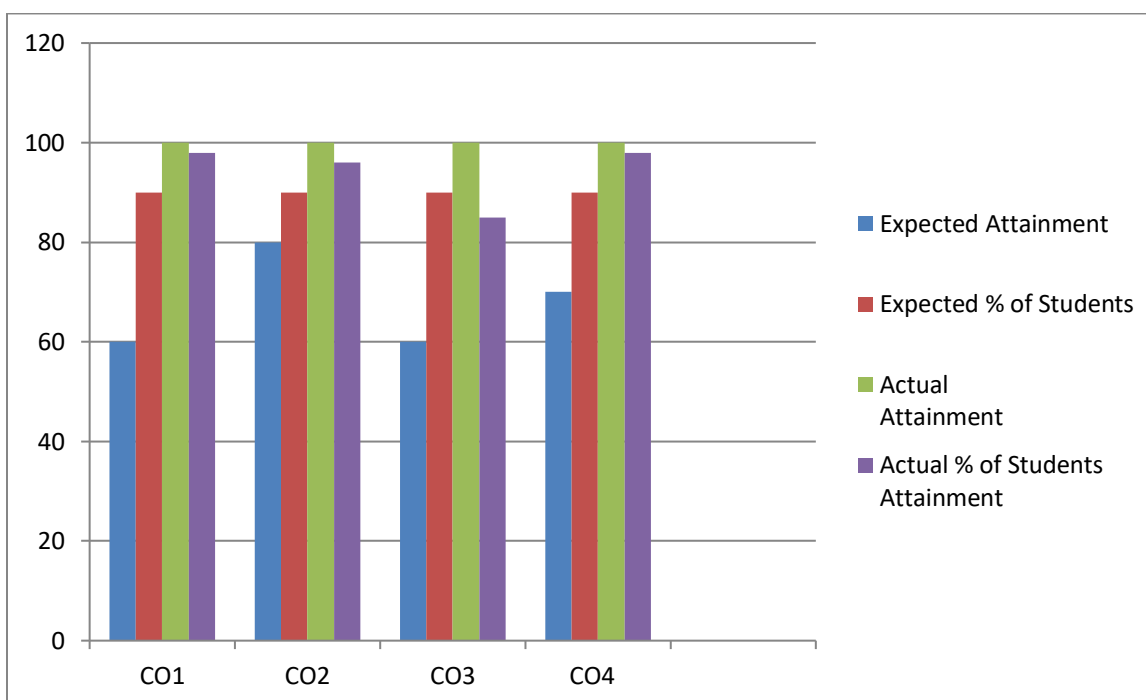
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs -18UIT624 - E-COMMERCE (ELECTIVE)

CO1	To remember basic concepts of e-commerce
CO2	To understand the role of E-business in current scenario
CO3	To apply different modes of payment
CO4	To analyze various issues associated with e-commerce

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	90	100	98
CO2	80	90	100	96
CO3	60	90	100	85
CO4	70	90	100	98



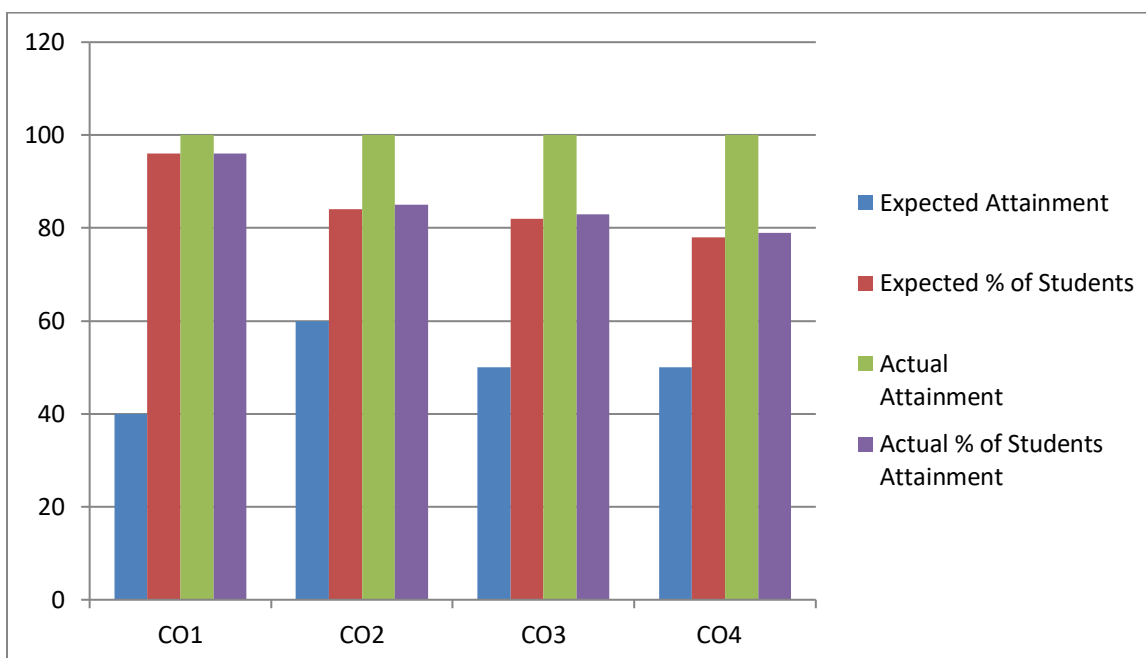
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT3A3 MICROPROCESSOR AND ASSEMBLY LANGUAGE PROGRAMMING

CO1	To keep in mind the various microprocessor and microcontrollers manufacturer name, year, versions, bit-size, etc.
CO2	To Understand the basic concepts of 16 bit and 32 bit microprocessors.
CO3	To apply the instructions in the Assembly Language Programs.
CO4	To analyze the various products of processors and controllers.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	40	96	100	96
CO2	60	84	100	85
CO3	50	82	100	83
CO4	50	78	100	79



B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT4A4 - SOFTWARE ENGINEERING

CO1

To recollect the various process models, requirements, Designs, Quality, Testing

CO2

To Understand the software development phases

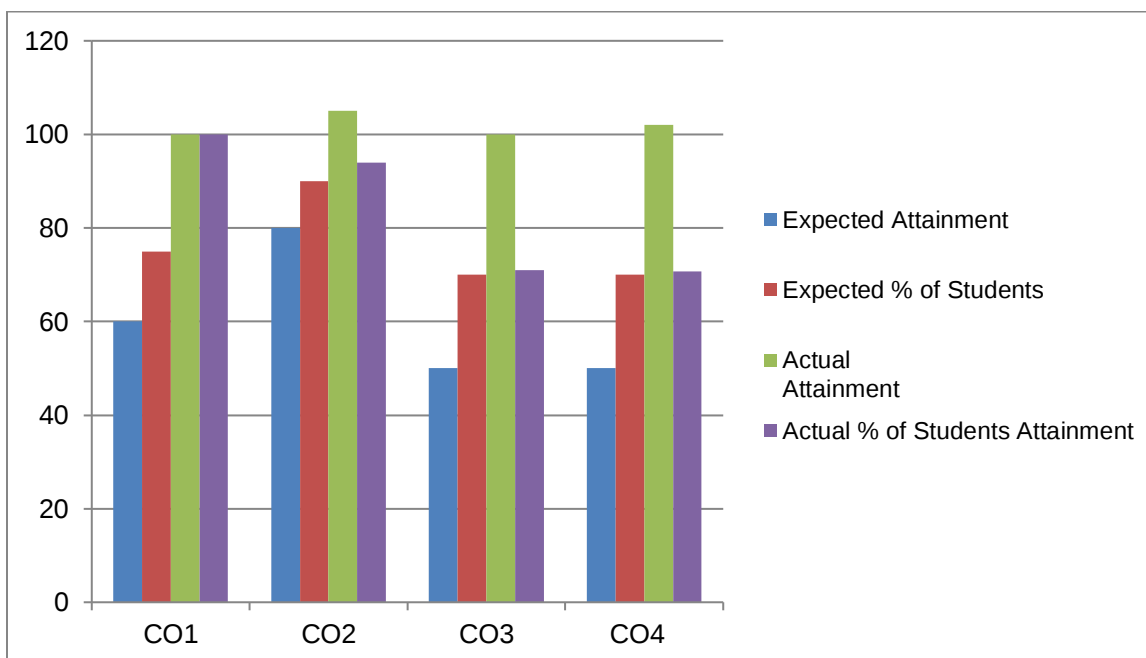
CO3

To apply concepts into the testing lab.

CO4

To evaluate the expected result with testing output.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	100
CO2	80	90	100	94
CO3	50	70	100	71
CO4	50	70	100	71



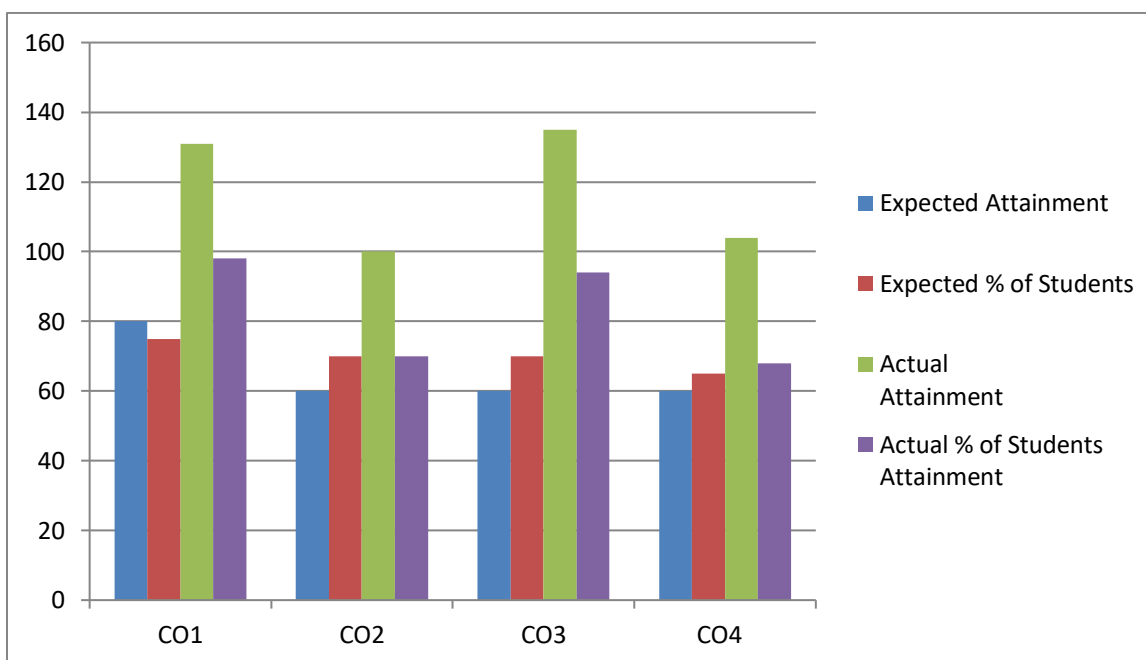
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT307 Operating System

- CO1 To recollect fundamentals of operating system.
- CO2 To understand basic principles and advanced concepts of the operating system.
- CO3 To apply the different mathematical foundations, algorithmic principles with approaches in computer based systems.
- CO4 To analyze the various architectural components involved in OS and its applications.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	75	100	98
CO2	60	70	100	70
CO3	60	70	100	94
CO4	60	65	100	68



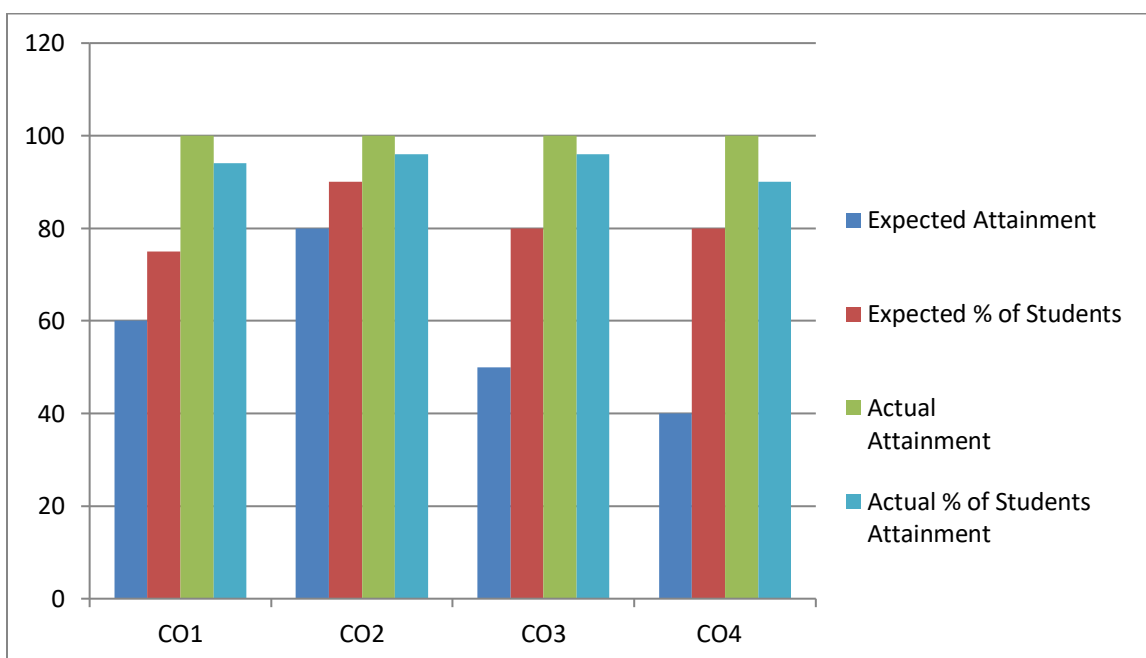
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT308 RELATIONAL DATABASE MANAGEMENT SYSTEM

CO1	To keep in mind the basic concepts of database
CO2	To get the idea of a database from SQL statements
CO3	To execute different forms of queries using SQL and PL/SQL statements
CO4	To analyze various data models which describe the structure of database

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	94
CO2	80	90	100	96
CO3	50	80	100	96
CO4	40	80	100	90



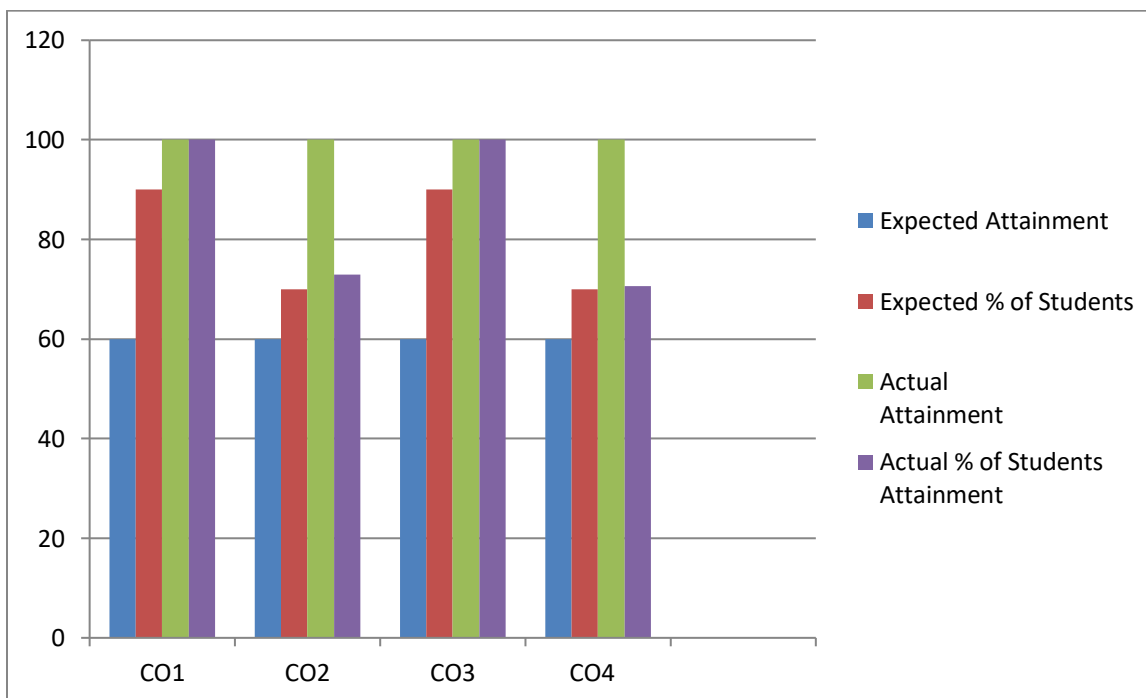
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT309 SERVICE ORIENTED ARCHITECTURE

CO1	To keep in mind the various client/server concepts, middleware.
CO2	To Understand the basic concepts of C/S and service architectures
CO3	To apply web services in WSDL
CO4	To analyze the various registries, RPC and messages in web services.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	90	100	100
CO2	60	70	100	73
CO3	60	90	100	100
CO4	60	70	100	71



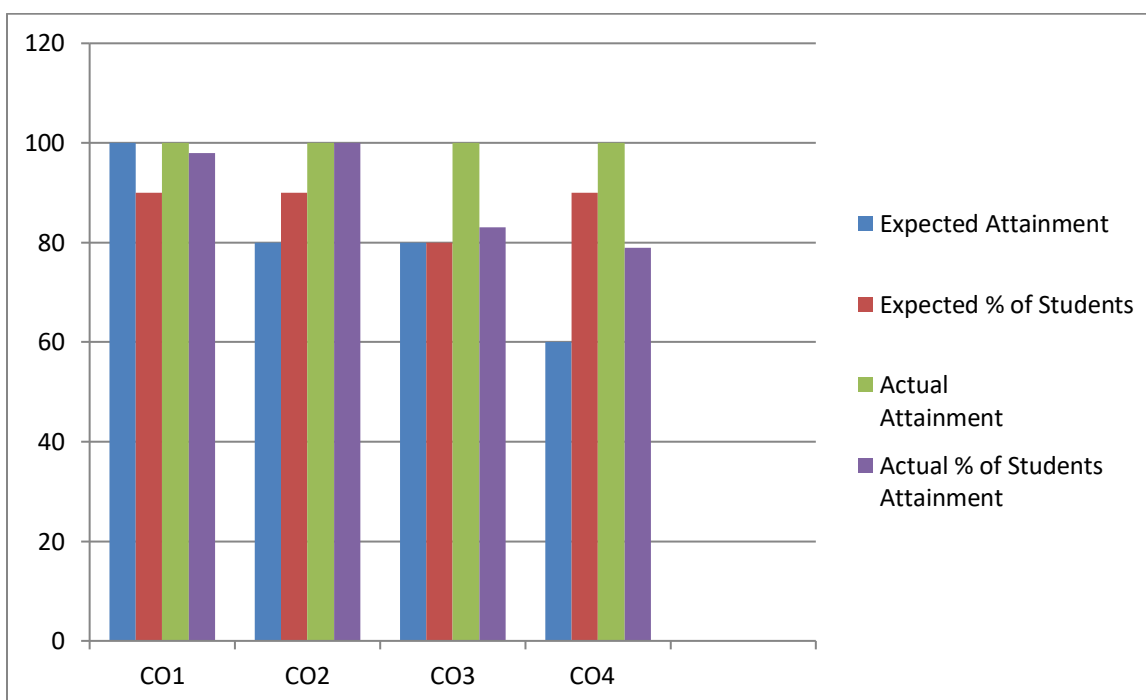
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT412 - DATA COMMUNICATIONS AND NETWORKS

CO1	To remember basics of data communication and networking
CO2	To comprehend various types of networks and topologies
CO3	To implement routing algorithms
CO4	To review different ways of accessing the internet

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	100	90	100	98
CO2	80	90	100	100
CO3	80	80	100	83
CO4	60	90	100	79



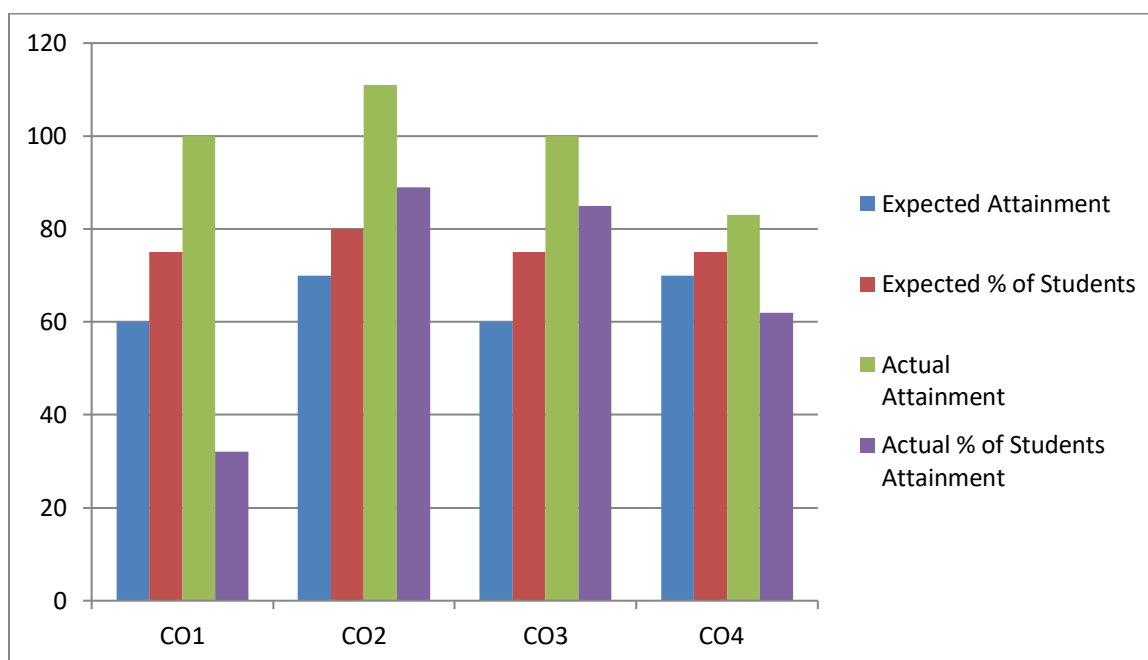
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UIT412 Visual Programming

CO1	To keep in mind the various statements, data types, properties, Indexes, Interfaces, Events and Attributes, etc.
CO2	To Understand the basic concepts of Methods, Arrays, Overloading, Threading, File Streams, and Web Services.
CO3	To apply the concepts into the Lab. programs.
CO4	To analyze the various controls of OOPs, Windows Applications and Web Services.

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	32
CO2	70	80	100	89
CO3	60	75	100	85
CO4	70	75	83	62



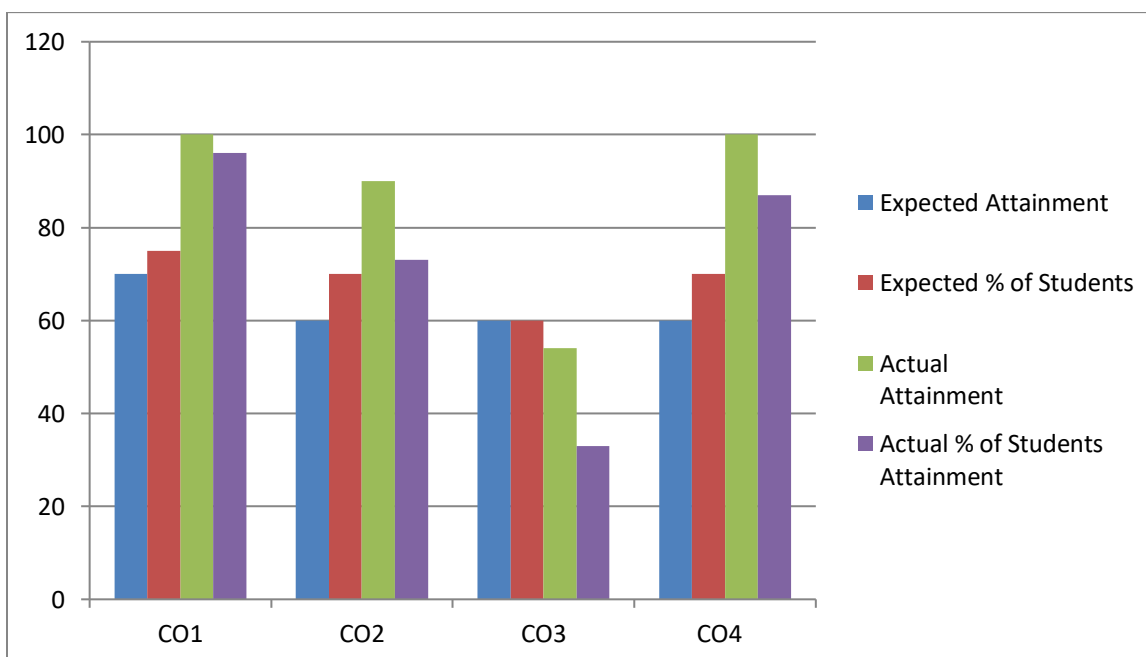
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UIT1A1 Mathematics - I

- CO1 To remember the formula of different Means, Median, Mode, Deviations, Correlation, Regression, Probability, Chi square test, Degree of Freedom, etc.
- CO2 To understand the concepts Central tendency, Dispersion, Correlation and regression, Probability and Sampling theory.
- CO3 To solve the problems by using formula to apply the programs
- CO4 To evaluate the results through the program outputs

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	70	75	100	96
CO2	60	70	90	73
CO3	60	60	54	33
CO4	60	70	100	87



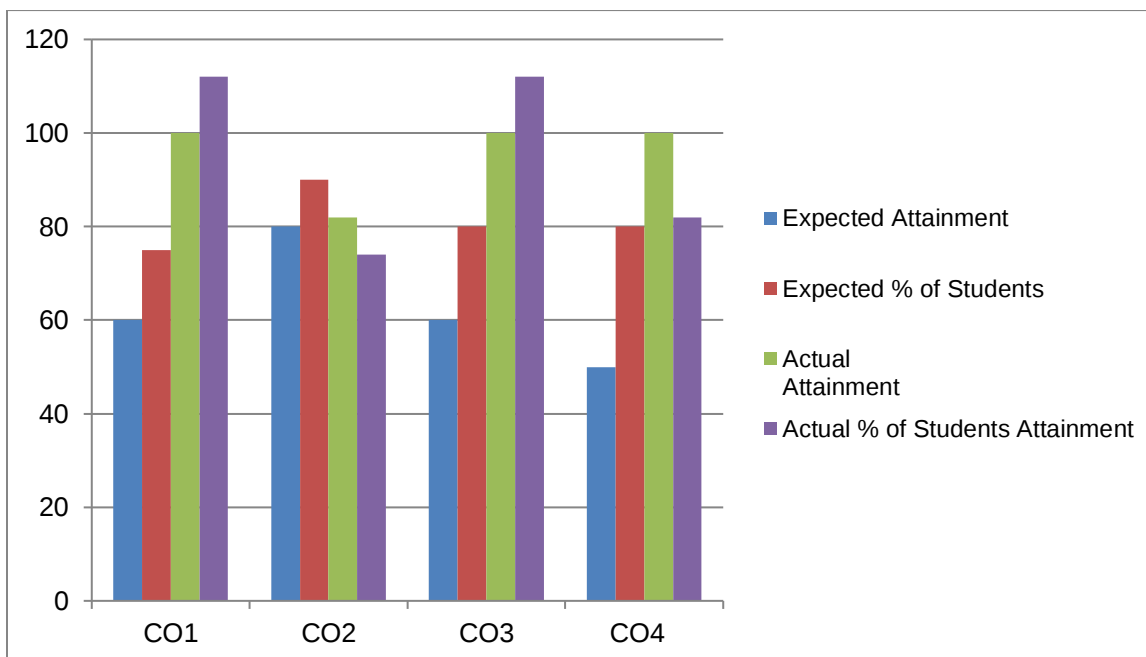
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UIT204 - OBJECT ORIENTED PROGRAMMING WITH JAVA

CO1	To keep in mind the basic concepts of OOPs
CO2	To apprehend a knowledge about how to use java for internet applications
CO3	To implement file, applet, thread concepts
CO4	To review the usage of packages, exceptions and string concepts

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	112
CO2	80	90	82	74
CO3	60	80	100	112
CO4	50	80	100	82



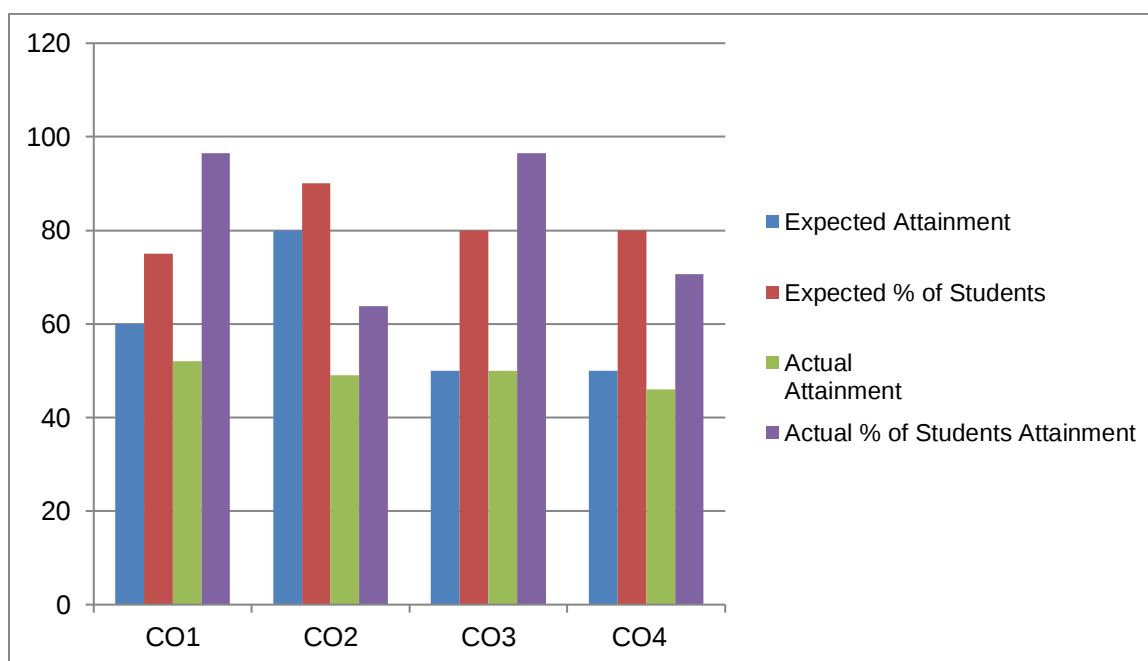
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UIT102 - COMPUTER SYSTEM ARCHITECTURE

CO1	To remember basic building block of digital computer system
CO2	To understand the execution sequence of instruction through the processor
CO3	To apply interfacing of various peripheral devices used with the system
CO4	To analyze functioning of various parts of the computer from hardware point of view

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	52	97
CO2	80	90	49	64
CO3	50	80	50	97
CO4	50	80	46	71



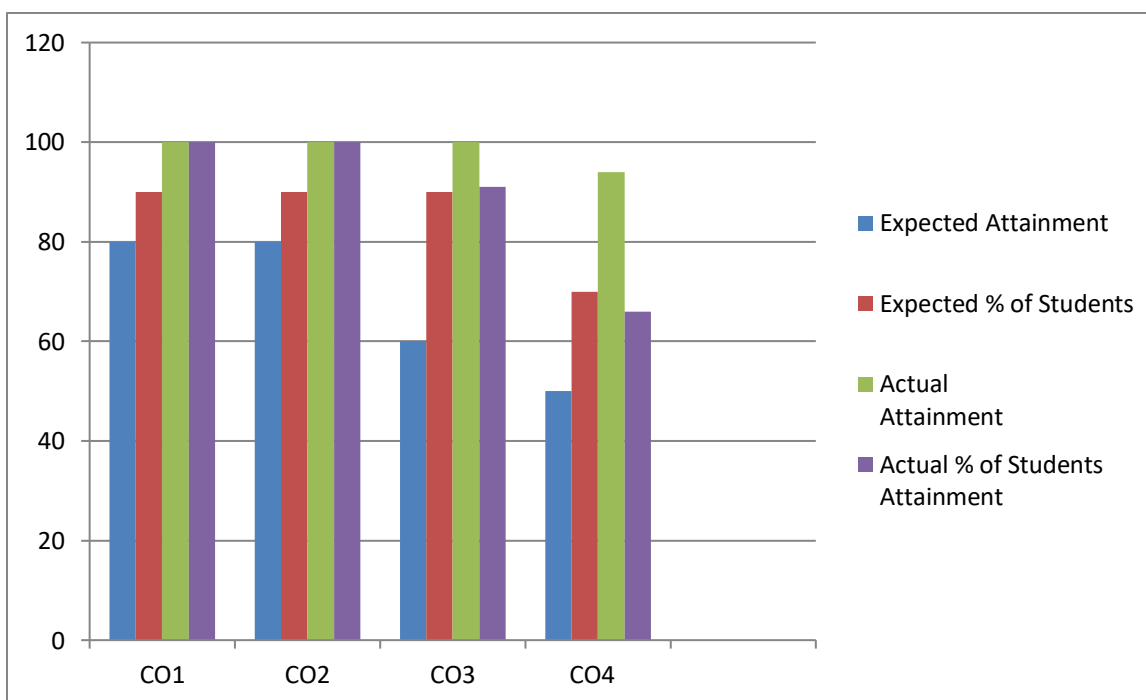
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UIT101 PROGRAMMING IN C

CO1	To keep in mind the fundamentals of C programming.
CO2	To understand the concepts of problem-solving techniques.
CO3	To apply concepts and techniques for implementation.
CO4	To evaluate the logical thinking in program development

CO's	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	90	100	100
CO2	80	90	100	100
CO3	60	90	100	91
CO4	50	70	94	66



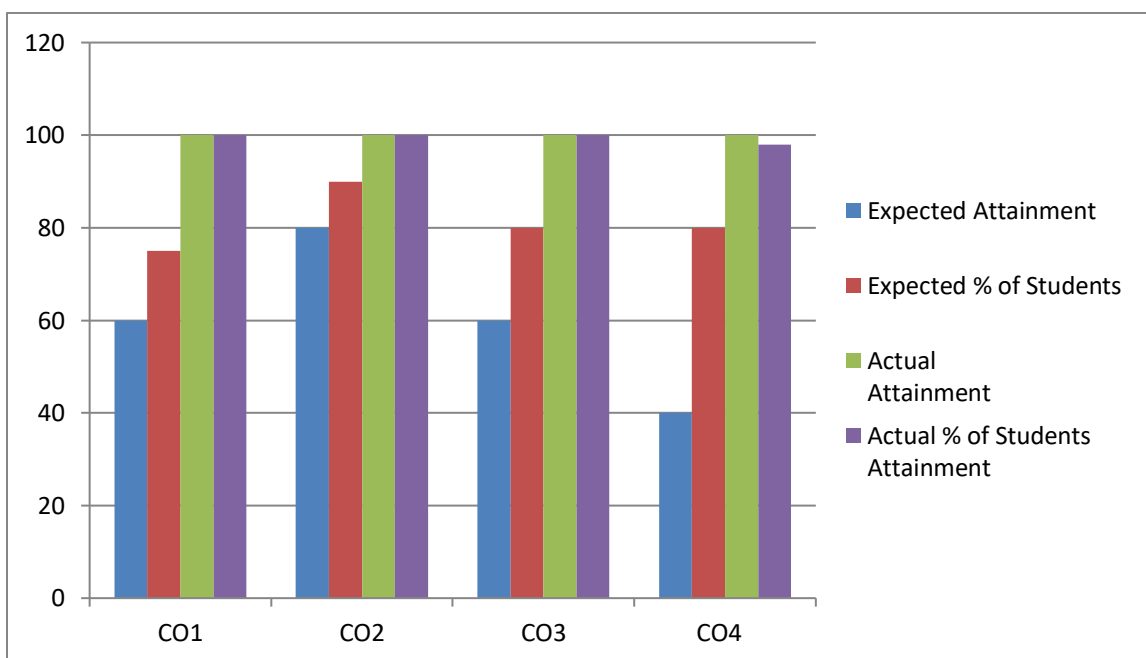
B.Sc (Information Technology) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UIT2A2 - MATHEMATICS II

CO1	To remember the concepts of set theory, mathematical logic, relations and graph theory
CO2	To understand the basic terminology of discrete mathematics
CO3	To execute discrete notations in the programs
CO4	To evaluate the discrete concepts through programs

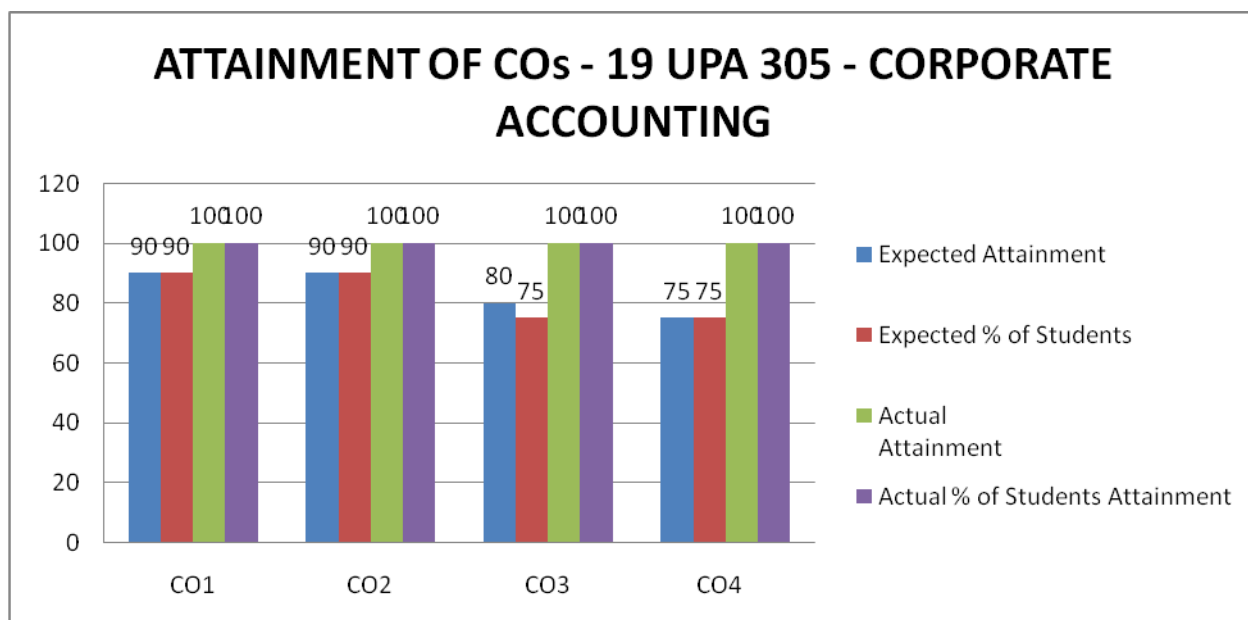
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	60	75	100	100
CO2	80	90	100	100
CO3	60	80	100	100
CO4	40	80	100	98



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 19 UPA 305 - CORPORATE ACCOUNTING

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	90	100	100
CO2	90	90	100	100
CO3	80	75	100	100
CO4	75	75	100	100

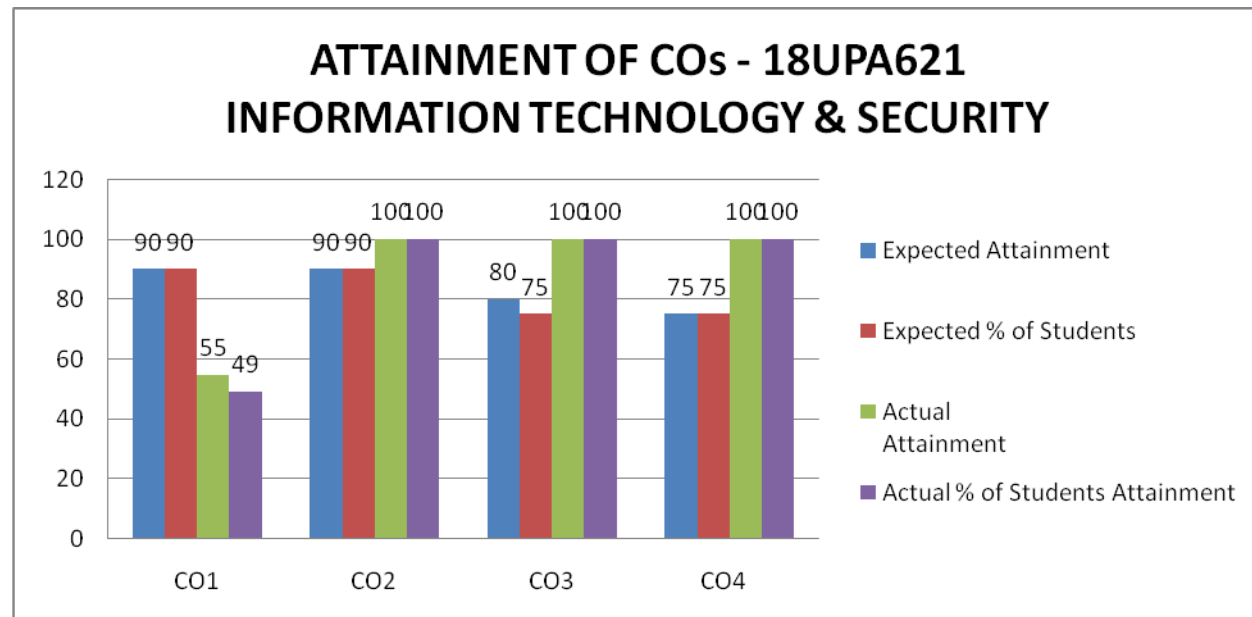


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UPA621 INFORMATION TECHNOLOGY & SECURITY

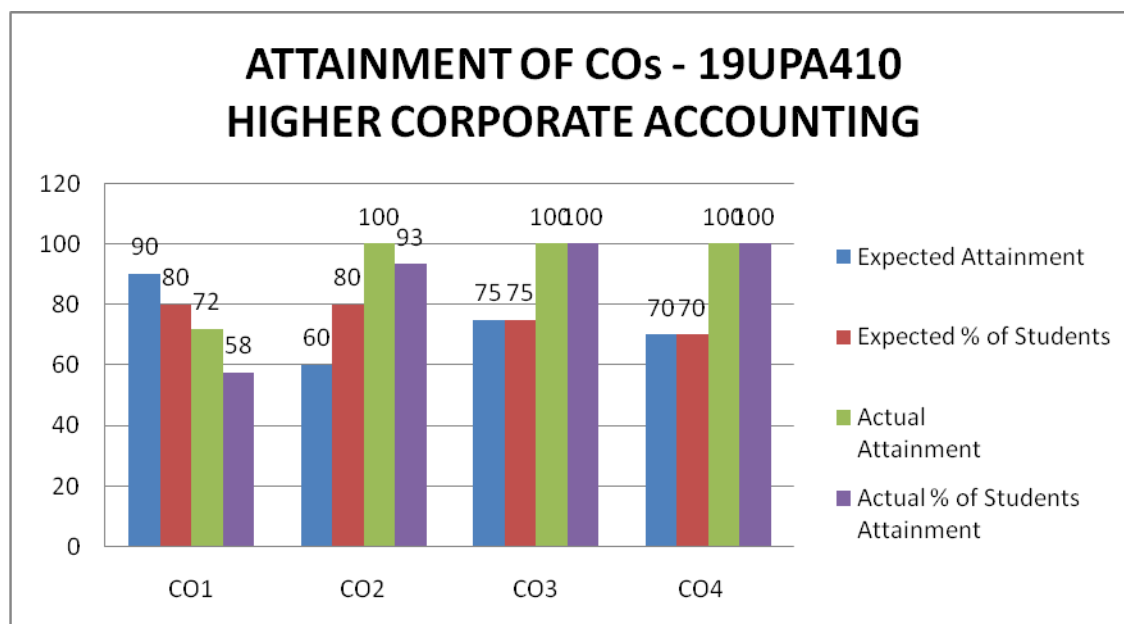
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	90	55	49
CO2	90	90	100	100
CO3	80	75	100	100
CO4	75	75	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 19UPA410 HIGHER CORPORATE ACCOUNTING

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	80	72	58
CO2	60	80	100	93
CO3	75	75	100	100
CO4	70	70	100	100

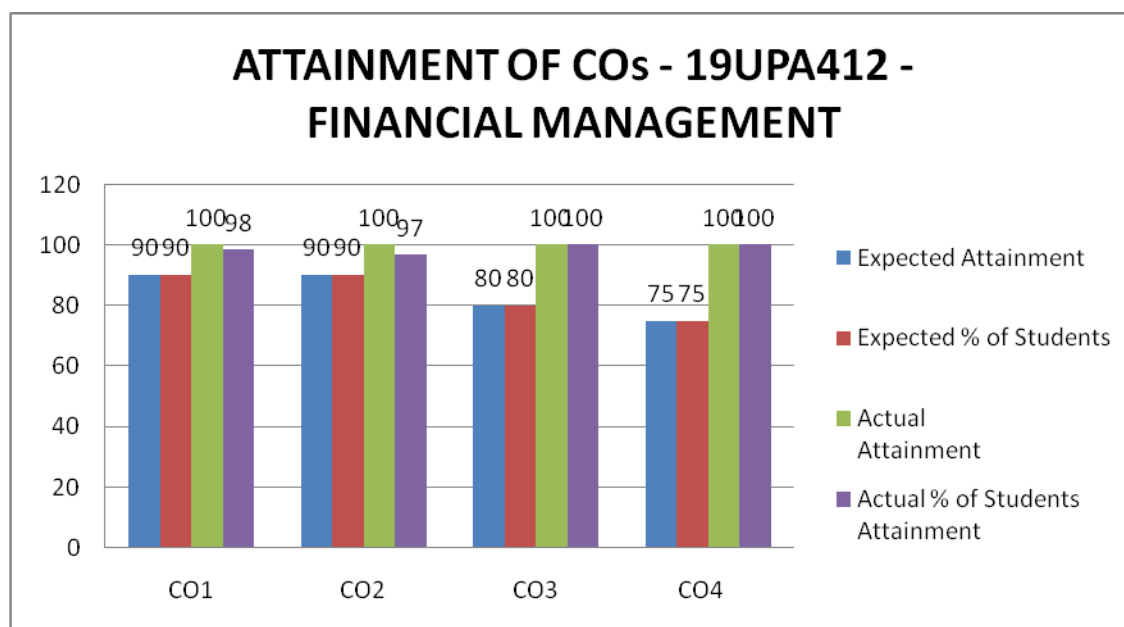


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19UPA412 - FINANCIAL MANAGEMENT

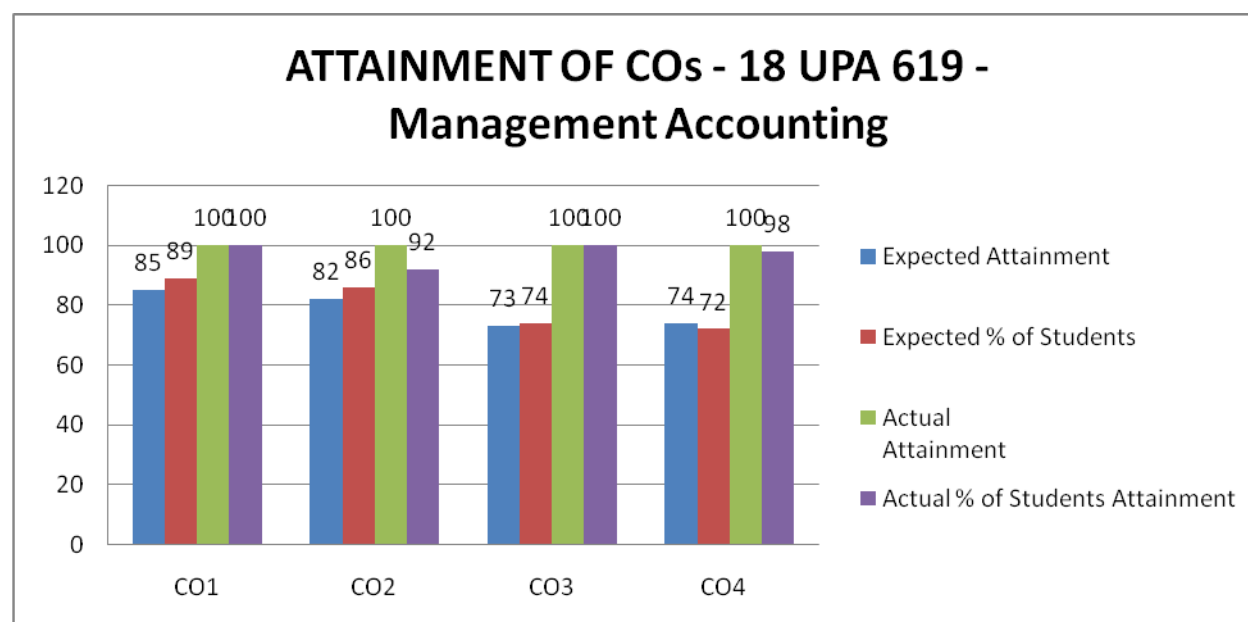
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	90	100	98
CO2	90	90	100	97
CO3	80	80	100	100
CO4	75	75	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 18 UPA 619 - MANAGEMENT ACCOUNTING

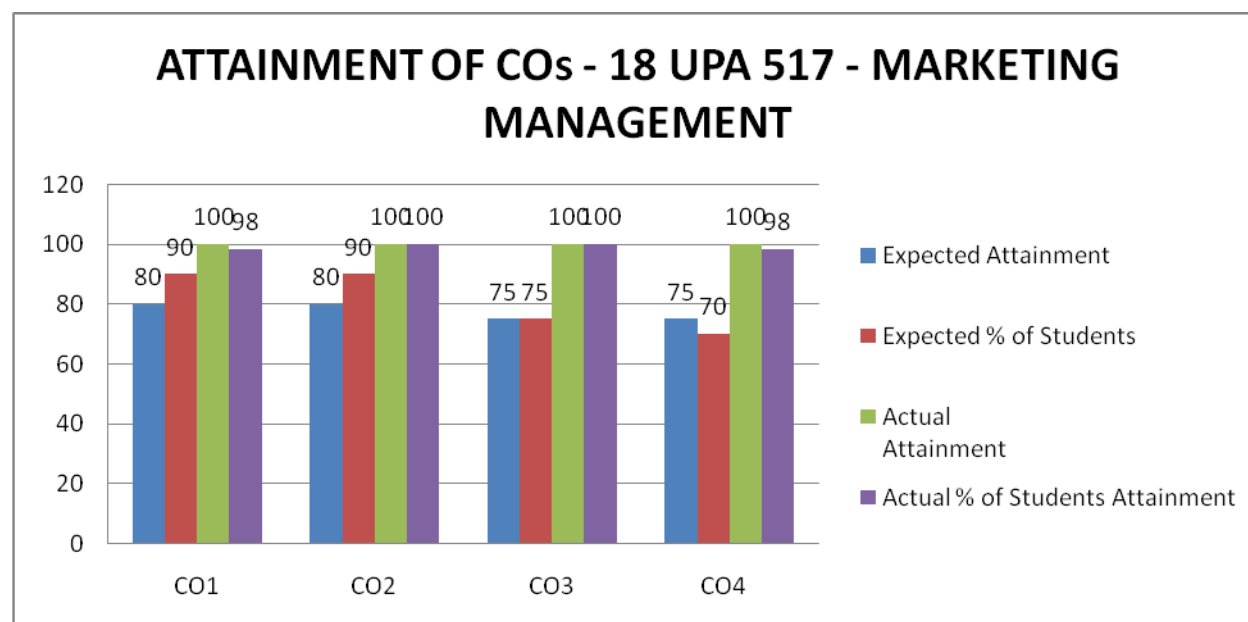
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	85	89	100	100
CO2	82	86	100	92
CO3	73	74	100	100
CO4	74	72	100	98



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 18 UPA 517 -MARKETING MANAGEMENT

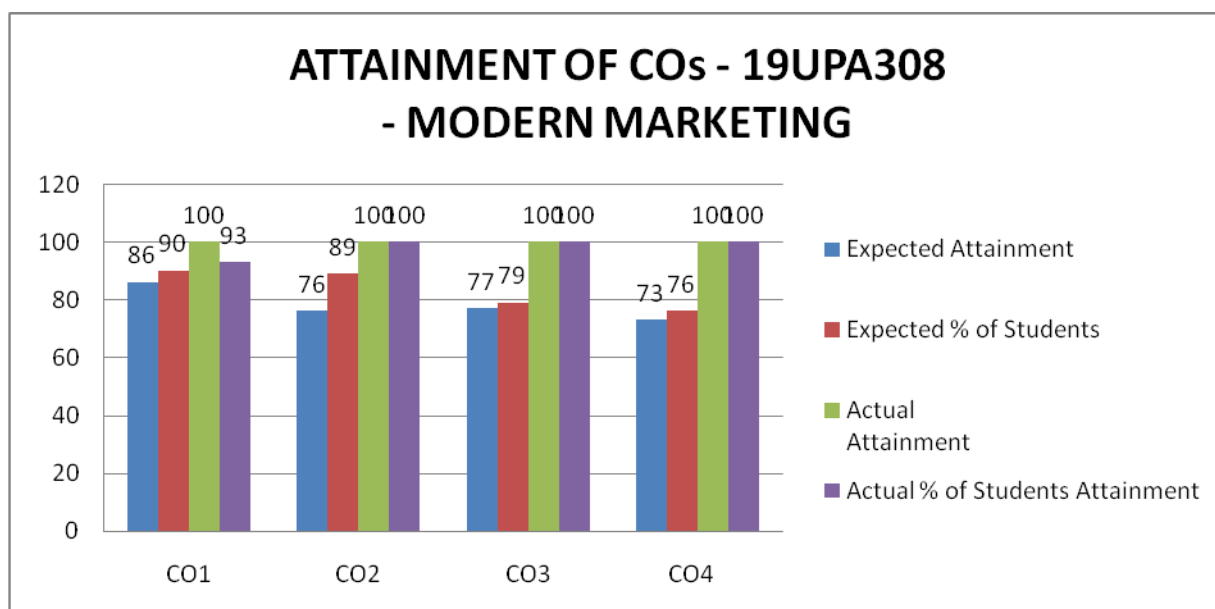
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	90	100	98
CO2	80	90	100	100
CO3	75	75	100	100
CO4	75	70	100	98



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 19UPA308 -MODERN MARKETING

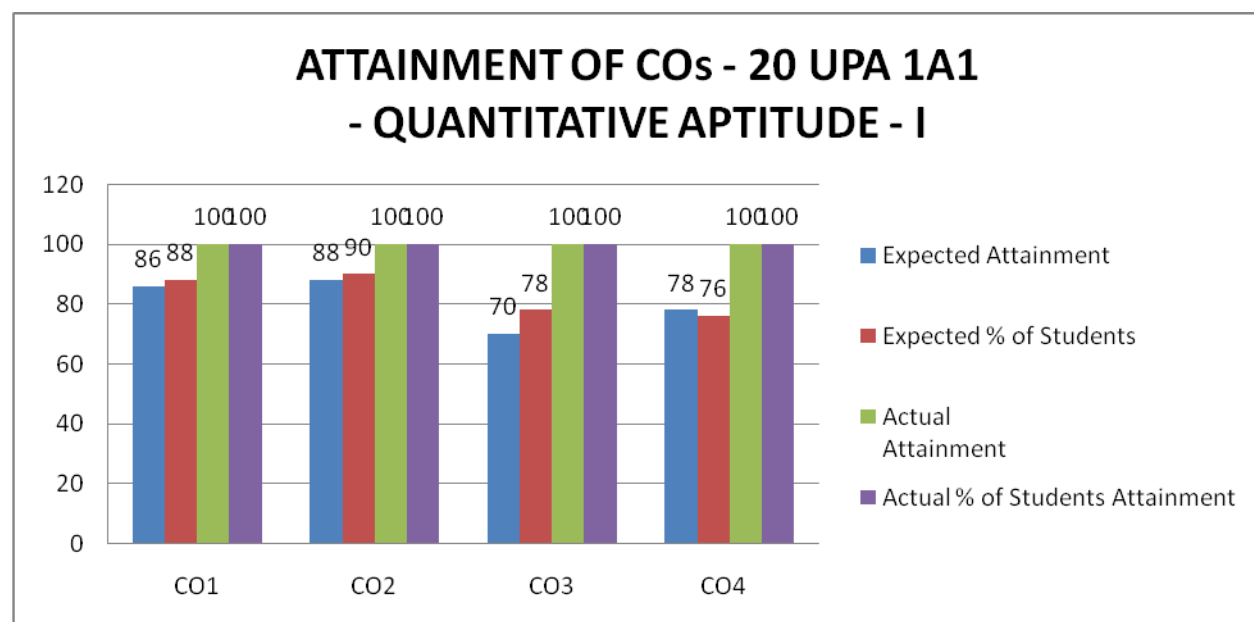
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	86	90	100	93
CO2	76	89	100	100
CO3	77	79	100	100
CO4	73	76	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 20UPA1A1 -QUANTITATIVE APTITUDE-I

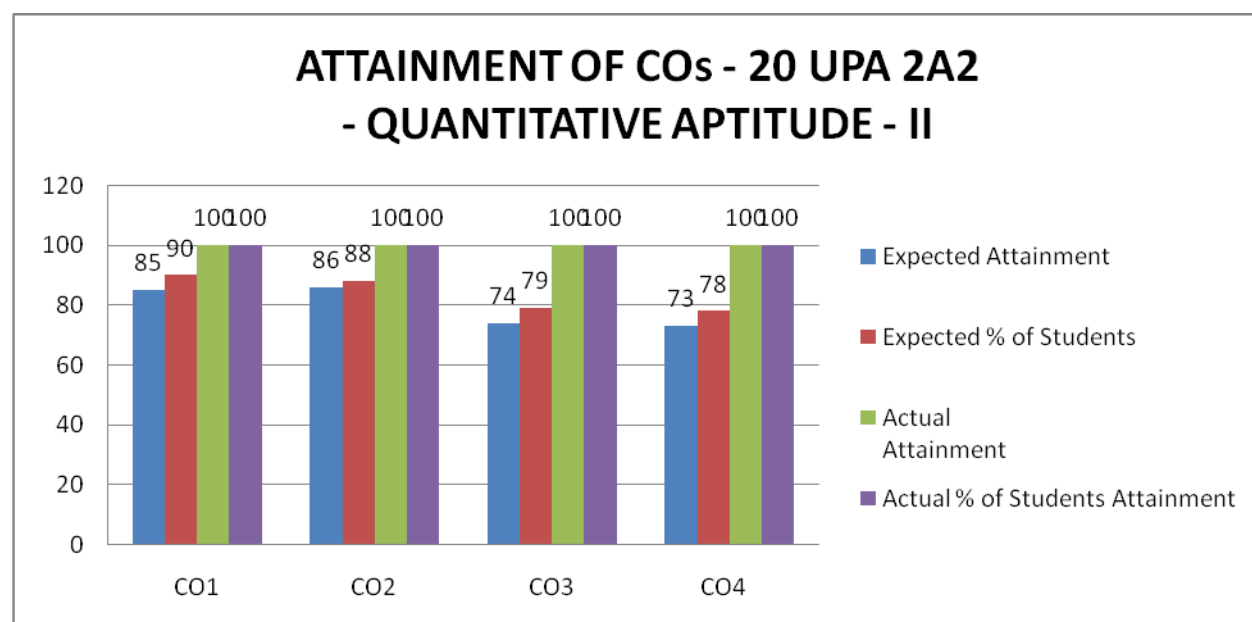
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	86	88	100	100
CO2	88	90	100	100
CO3	70	78	100	100
CO4	78	76	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 20UPA2A2 -QUANTITATIVE APTITUDE-II

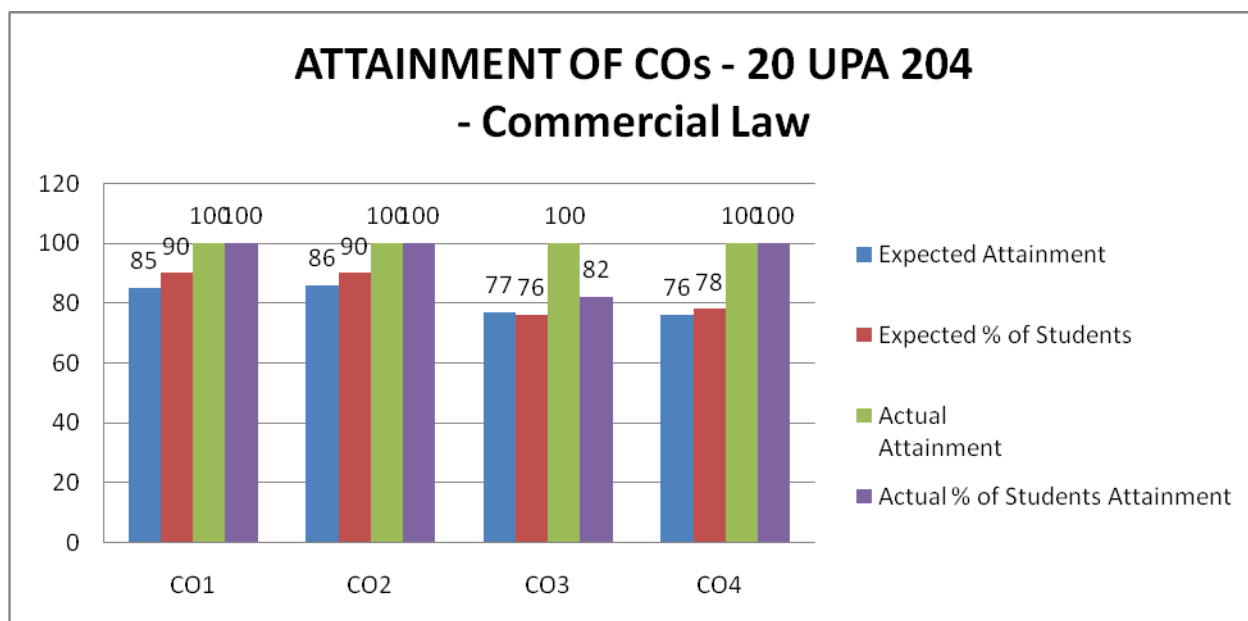
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	85	90	100	100
CO2	86	88	100	100
CO3	74	79	100	100
CO4	73	78	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 20UPA204 -Commercial Law

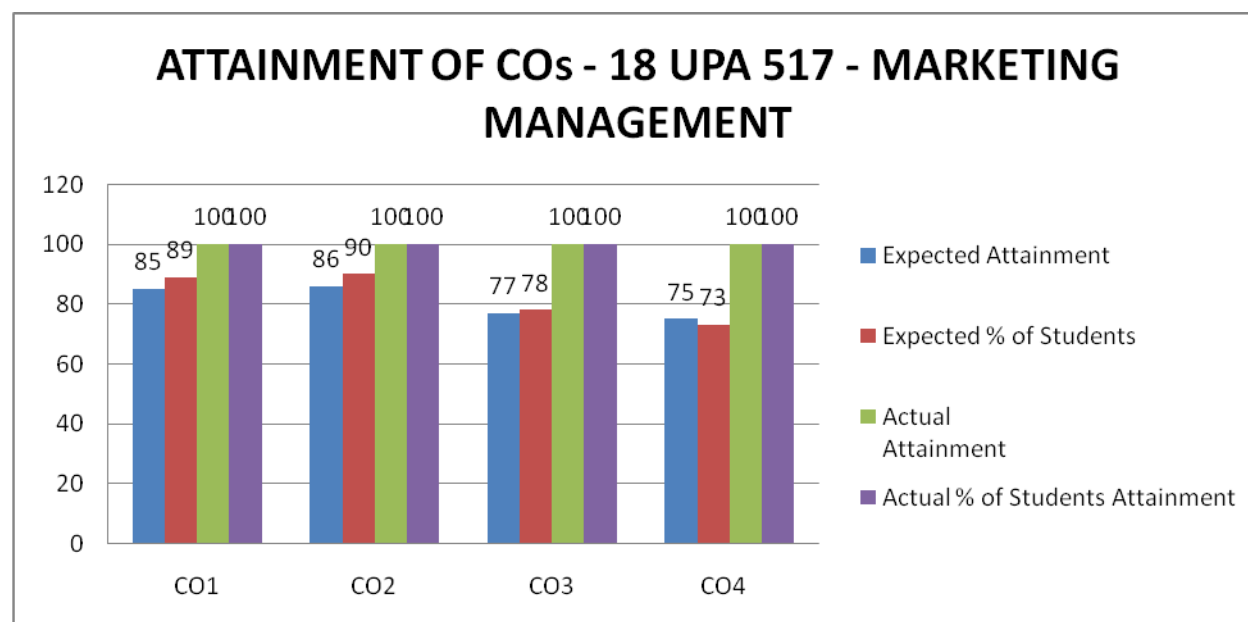
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	85	90	100	100
CO2	86	90	100	100
CO3	77	76	100	82
CO4	76	78	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs -19UPA307 -Company Law and Secretarial Practice

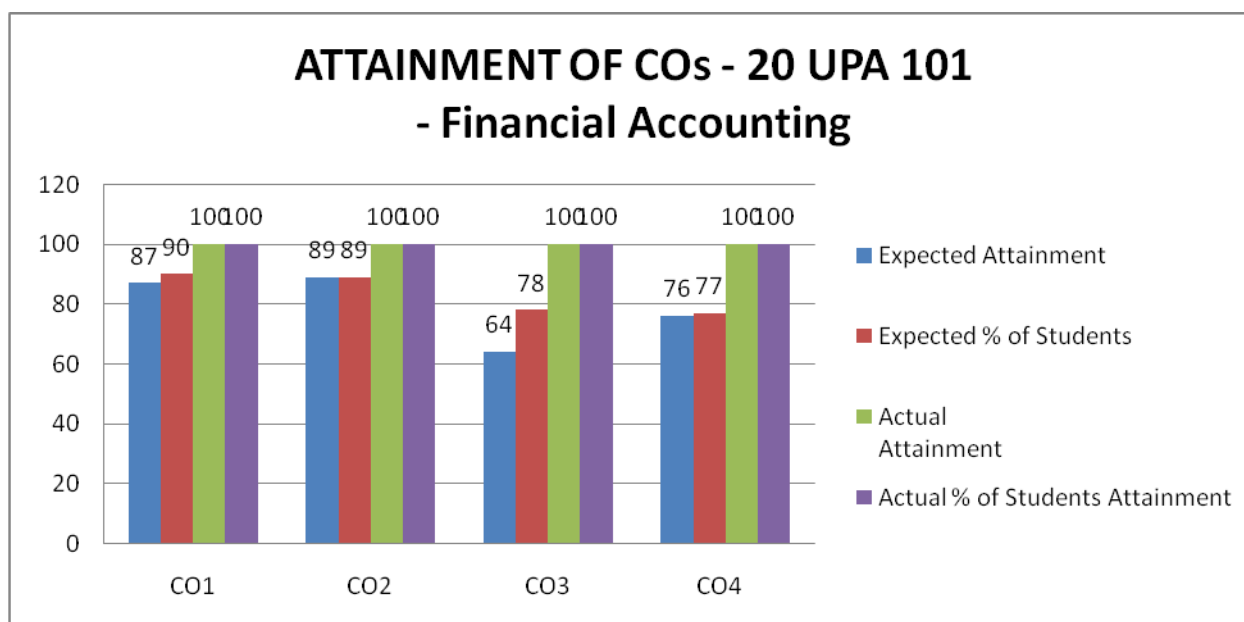
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	85	89	100	100
CO2	86	90	100	100
CO3	77	78	100	100
CO4	75	73	100	100



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 20UPA101 -Financial Accounting

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	87	90	100	100
CO2	89	89	100	100
CO3	64	78	100	100
CO4	76	77	100	100

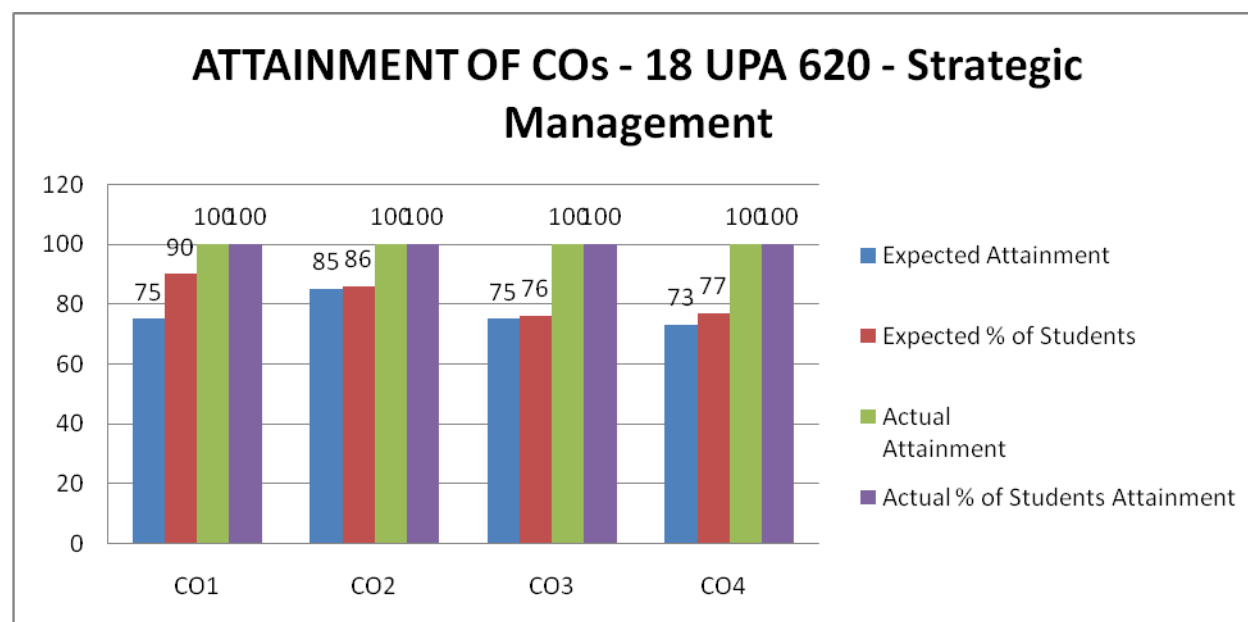


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18 UPA 620 - Strategic Management

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	75	90	100	100
CO2	85	86	100	100
CO3	75	76	100	100
CO4	73	77	100	100

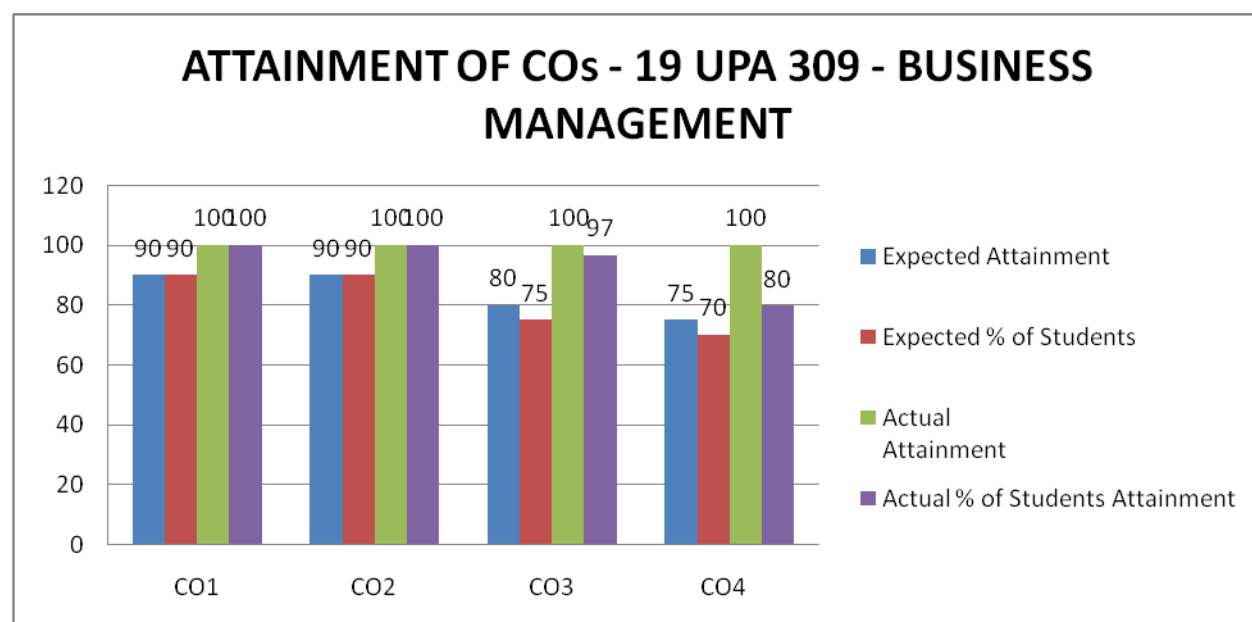


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19 UPA 309 -BUSINESS MANAGEMENT

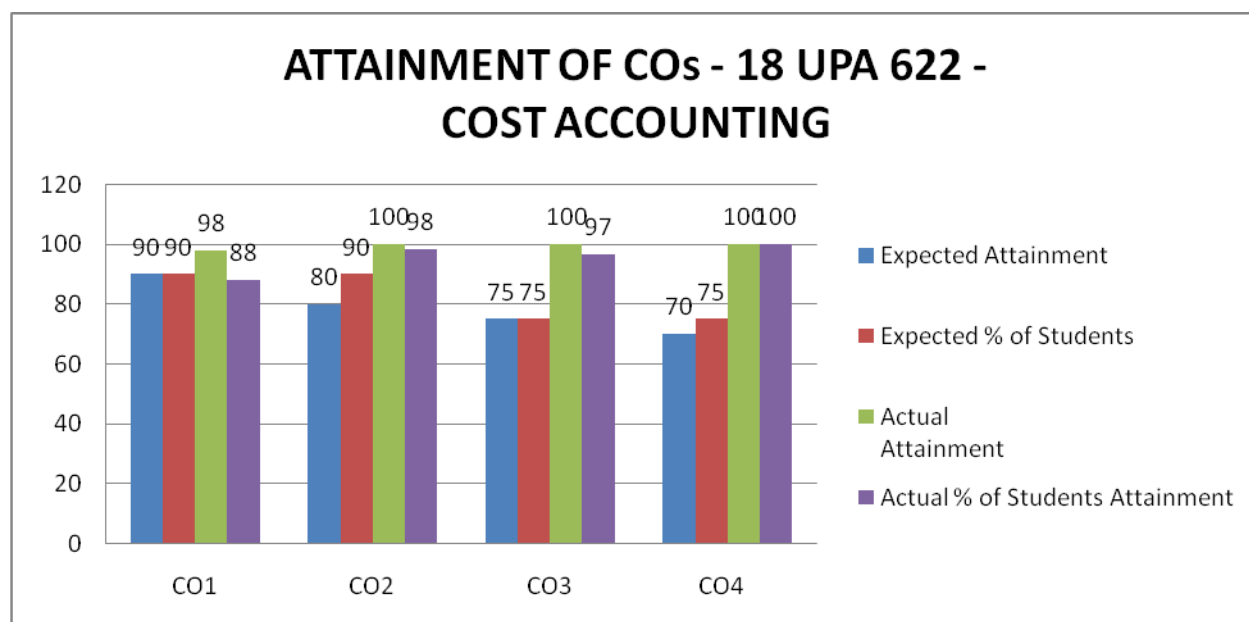
	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	90	100	100
CO2	90	90	100	100
CO3	80	75	100	97
CO4	75	70	100	80



B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 18 UPA 622 -COST ACCOUNTING

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	90	98	88
CO2	80	90	100	98
CO3	75	75	100	97
CO4	70	75	100	100

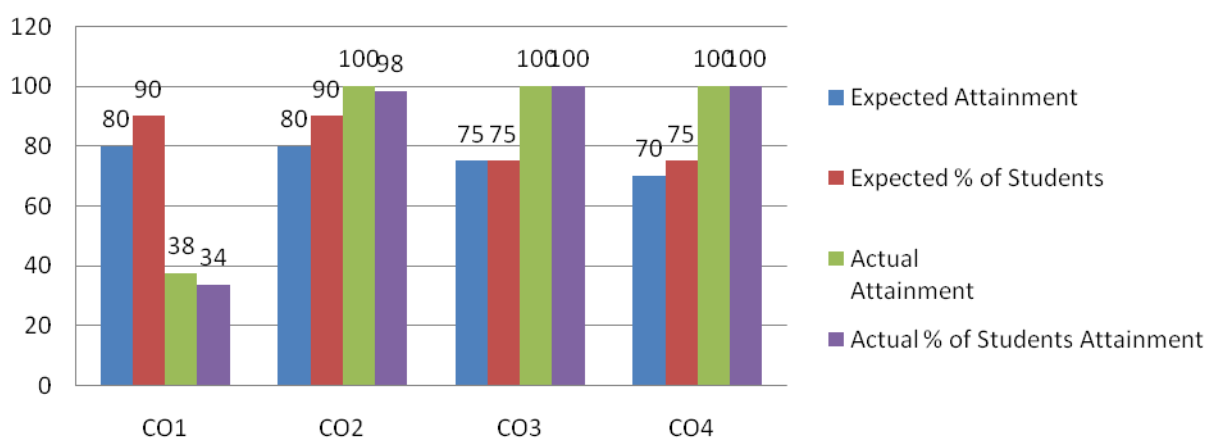


B.Com (Professional Accounting) – Attainment of Cos
Academic year 2020-2021

ATTAINMENT OF COs - 18 UPA 514 -HIGHER CORPORATE ACCOUNTING

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	90	38	34
CO2	80	90	100	98
CO3	75	75	100	100
CO4	70	75	100	100

ATTAINMENT OF COs - 18 UPA 514 - HIGHER CORPORATE ACCOUNTING

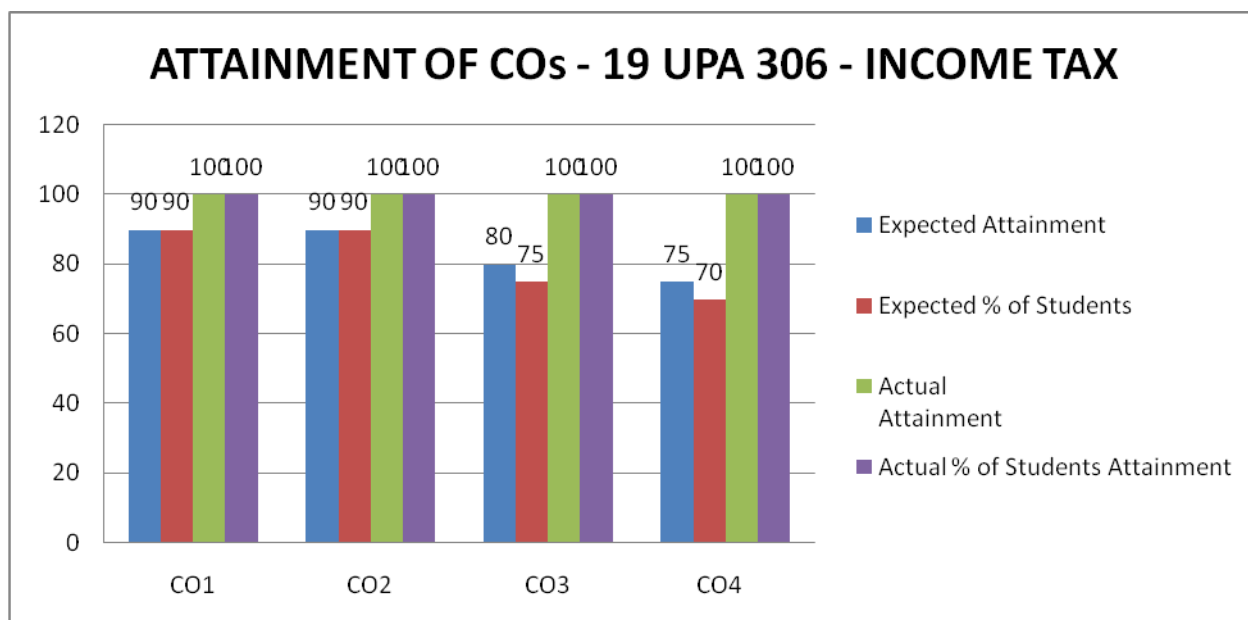


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19 UPA 306 -INCOME TAX

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	90	90	100	100
CO2	90	90	100	100
CO3	80	75	100	100
CO4	75	70	100	100



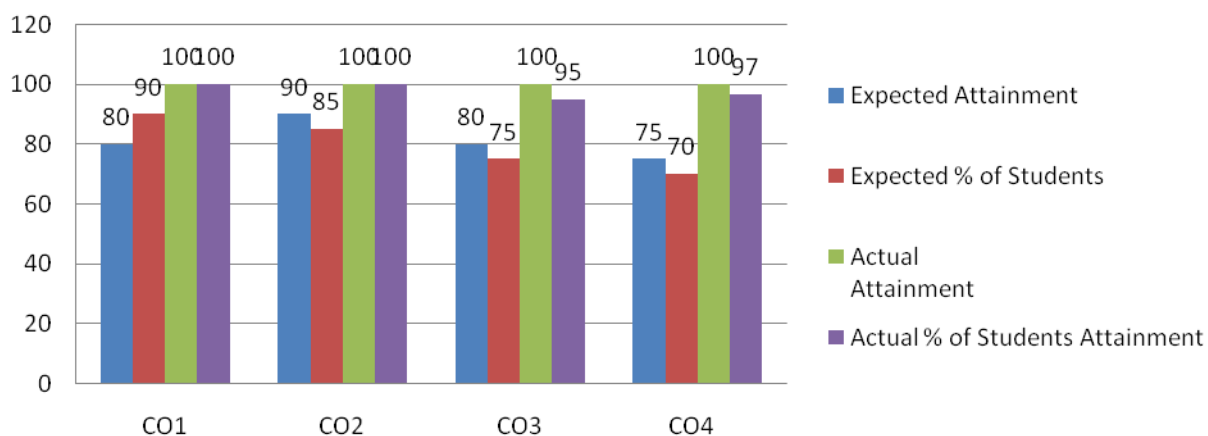
B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19 UPA413 -INDIRECT TAX

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	90	100	100
CO2	90	85	100	100
CO3	80	75	100	95
CO4	75	70	100	97

ATTAINMENT OF COs - 19 UPA 413 - INDIRECT TAX

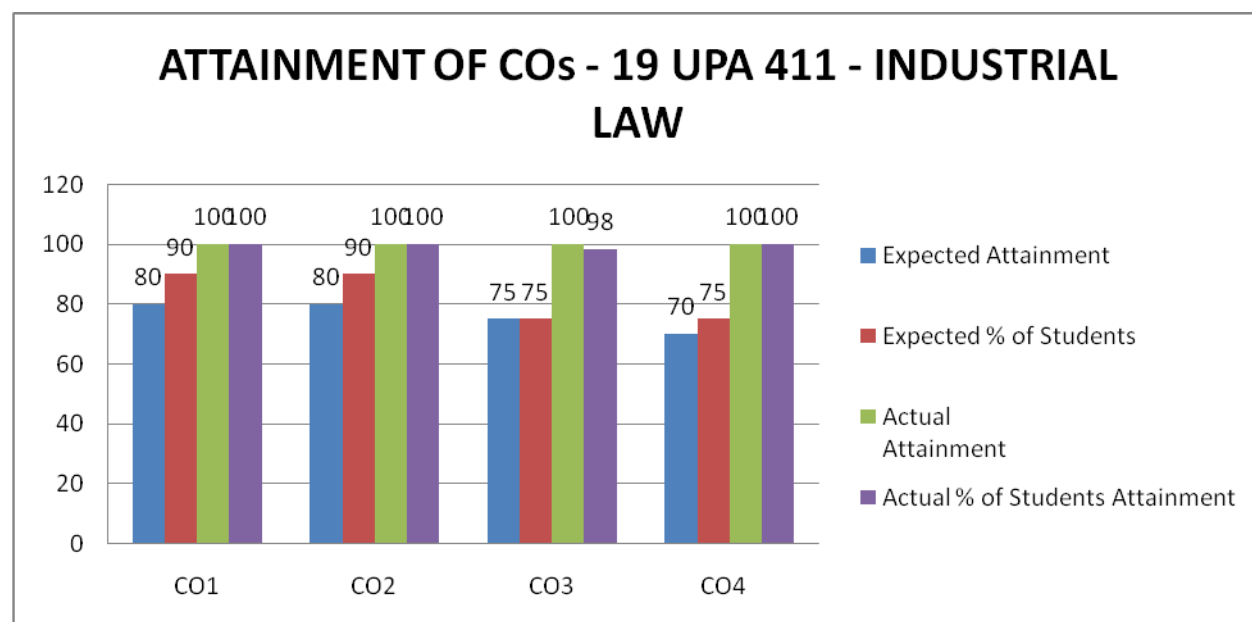


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 19 UPA411 -INDUSTRIAL LAW

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	90	100	100
CO2	80	90	100	100
CO3	75	75	100	98
CO4	70	75	100	100

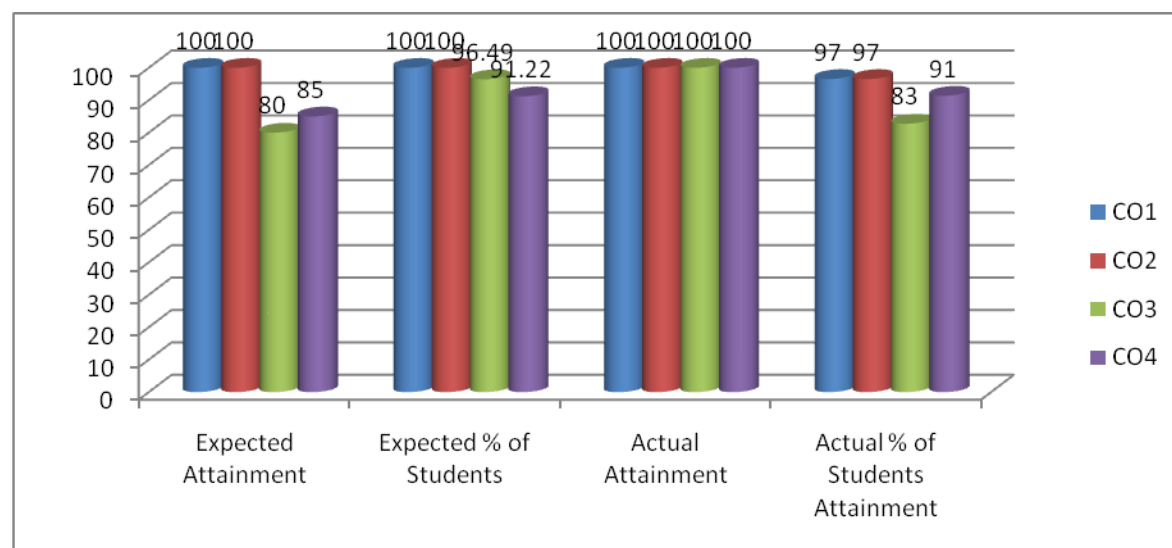


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UPA203 - FINANCIAL ACCOUNTING

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	100	100	100	97
CO2	100	100	100	97
CO3	80	96.49	100	83
CO4	85	91.22	100	91

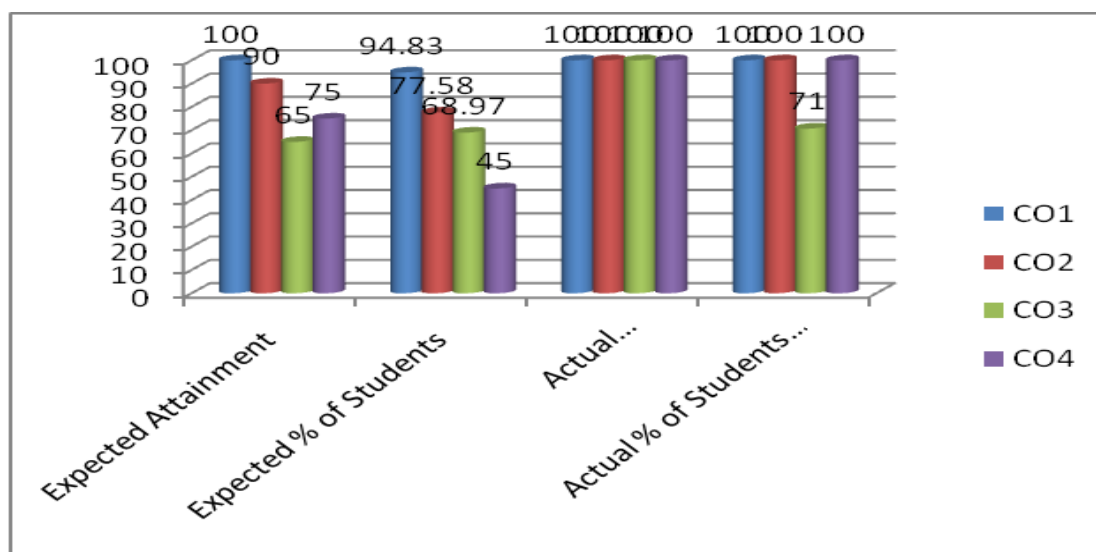


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 20UPA102 GENERAL ECONOMICS

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	100	94.83	100	100
CO2	90	77.58	100	100
CO3	65	68.97	100	71
CO4	75	45	100	100

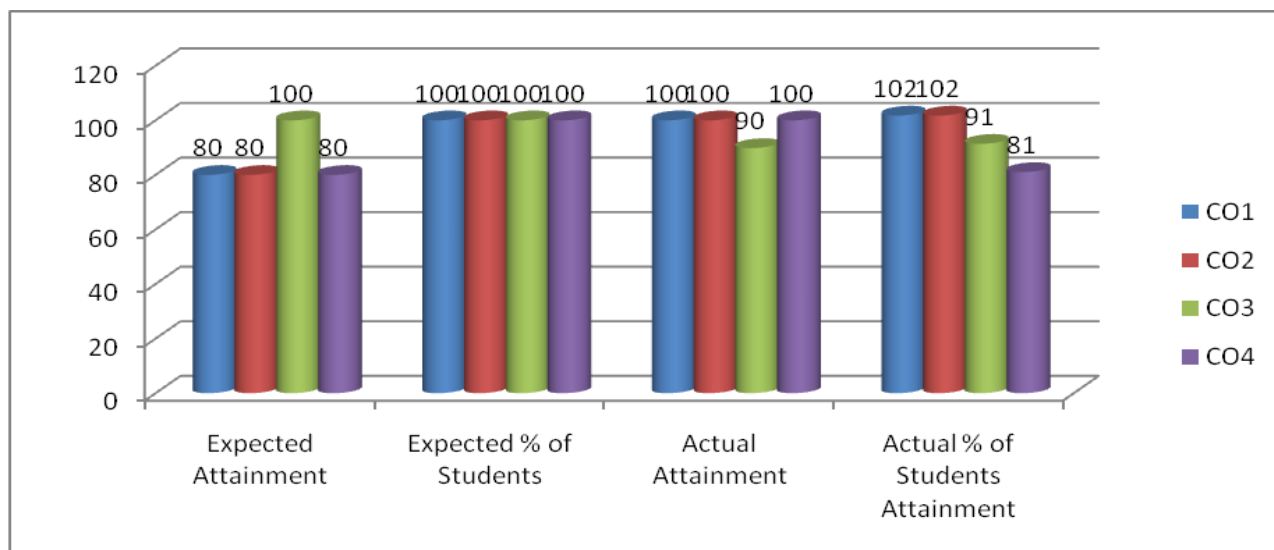


B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UPA623 Human Resource Management

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	100	100	102
CO2	80	100	100	102
CO3	100	100	90	91
CO4	80	100	100	81



B.Com (Professional Accounting) – Attainment of Cos

Academic year 2020-2021

ATTAINMENT OF COs - 18UPA518 OPERATIONS RESEARCH

	Expected Attainment	Expected % of Students	Actual Attainment	Actual % of Students Attainment
CO1	80	100	97	98
CO2	100	100	97	98
CO3	85	95	55	53
CO4	75	80	100	98

