COURSE EXIT SURVEY: Analysis Report

Academic Session: 2025-26

Department: Mathematics **Program: B.Sc.(H) Mathematics**

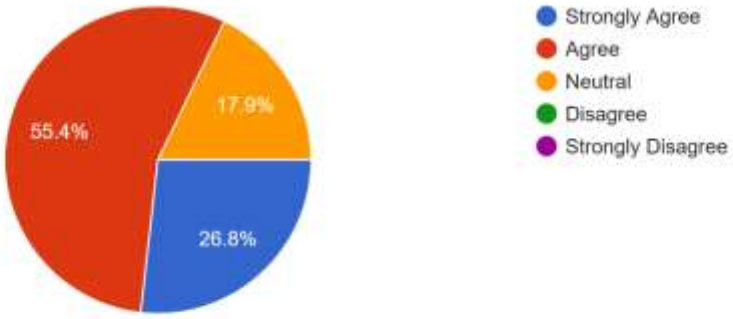
Semester: 1

Paper Name: Discipline Specific Core Course – 1: Algebra

UPC: 2352011101

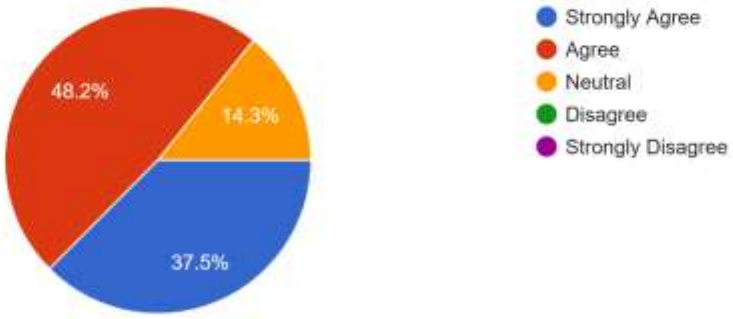
The course taught you the basic ideas of Algebra .

56 responses



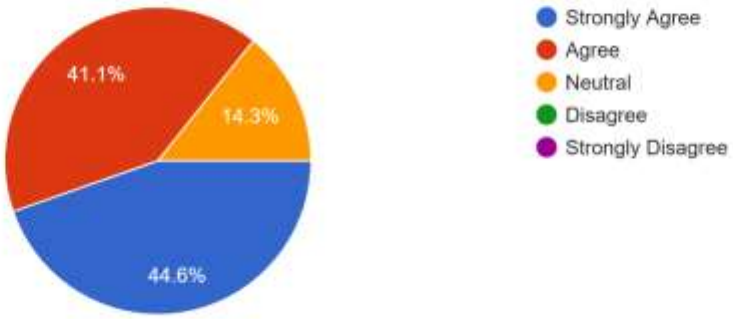
The course helped you to learn the General properties of polynomials and equations, Fundamental theorem of algebra.

56 responses



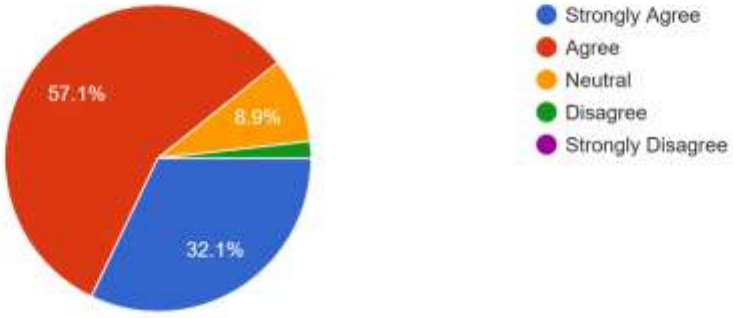
The course helped you to reframe your thinking about Divisibility and the Euclidean algorithm, Fundamental theorem of arithmetic.

56 responses



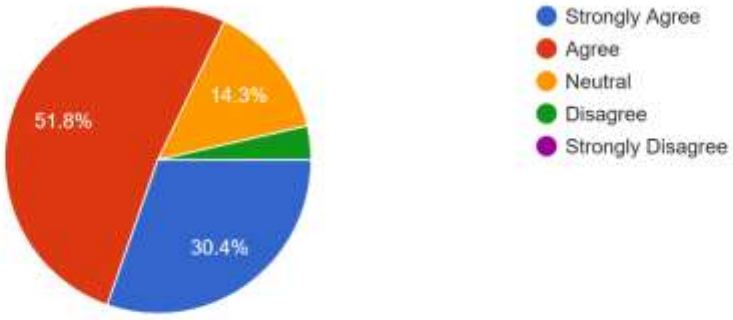
The course helped you to understand the Groups, Basic properties, Symmetries of a square.

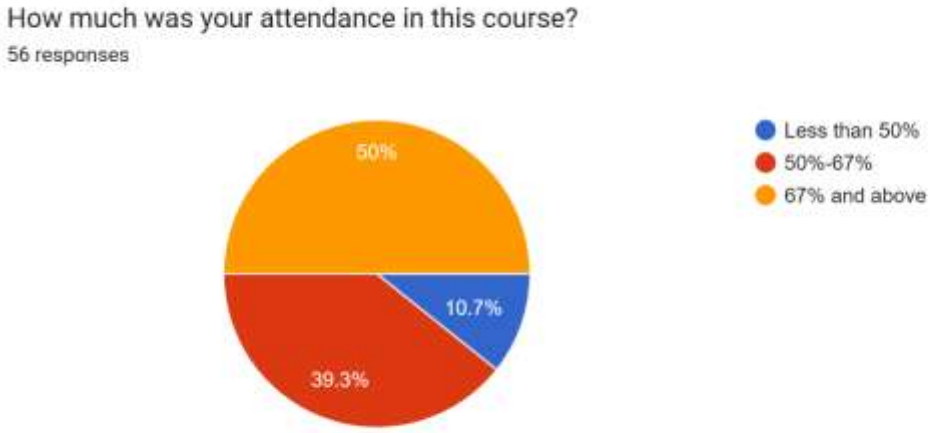
56 responses



The course helped you to learn Cyclic groups and properties, Generators of a cyclic group.

56 responses





Observations:

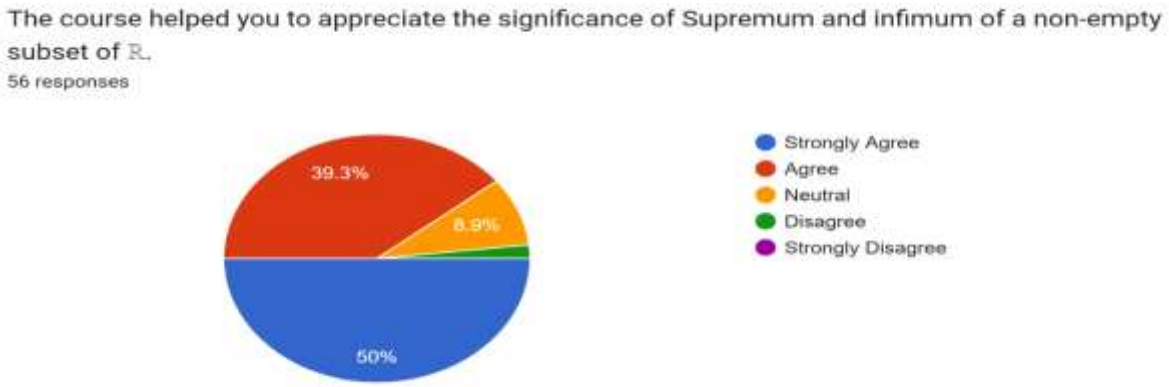
From the given responses, it is observed that around 82% of students agreed that they learned to determine the number of positive/negative real roots of real polynomial, cubic and quartic polynomial equations with the special conditions on roots and in general. The majority of students understood how to employ De-Moivre's theorem in a number of applications to solve numerical problems. They also learned to recognize the algebraic structure, namely groups, and classify subgroups of cyclic groups.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

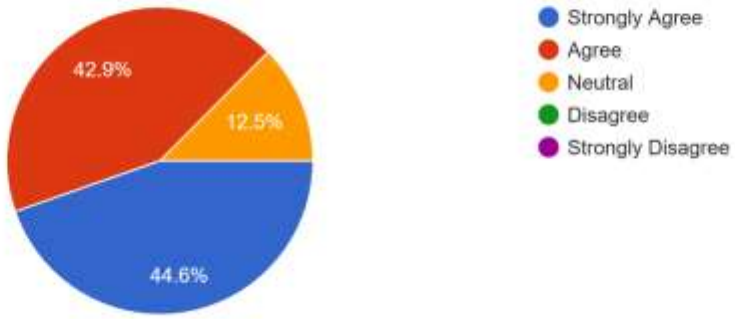
Paper Name: Discipline Specific Core Course – 2: Elementary Real Analysis

UPC: 2352011102



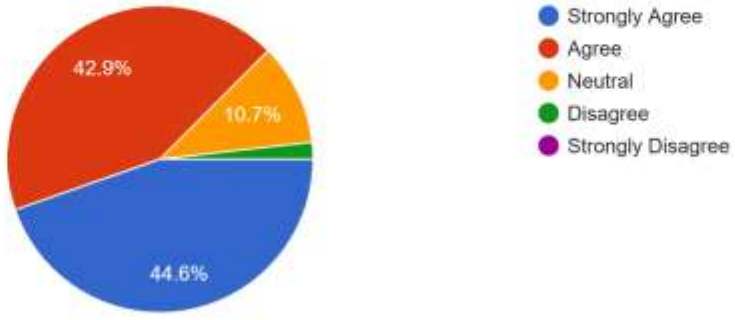
The course helped you to analyze the properties of Sequences and their limits, Convergent sequence, Limit theorems.

56 responses



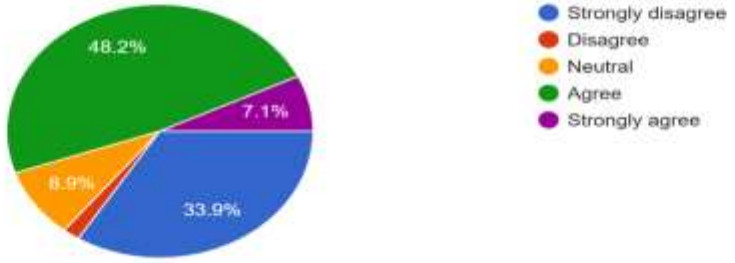
The course helped you to understand Bolzano-Weierstrass theorem for sequences, Limit superior and limit inferior for bounded sequence, Cauchy sequence, Cauchy's convergence criterion.

56 responses



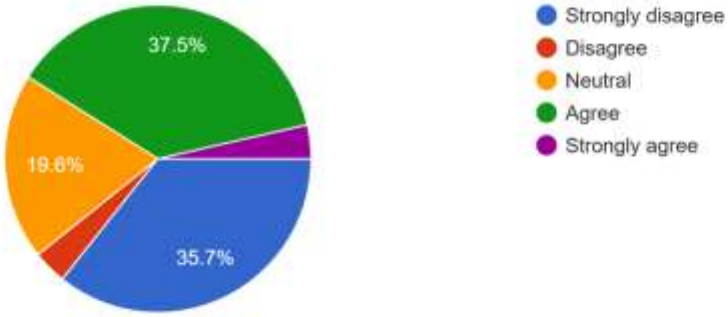
The course helped you to learn about Convergence and divergence of infinite series of real numbers.

56 responses



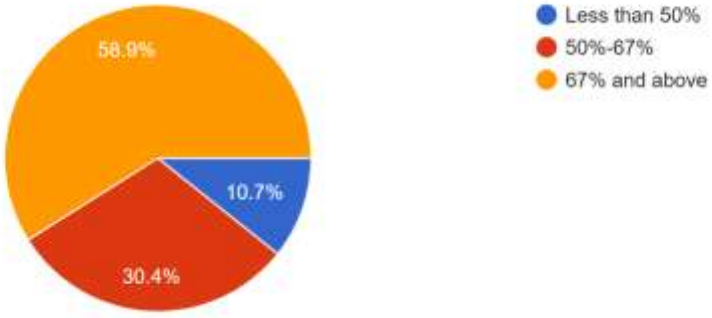
The course helped you to understand about the D'Alembert's ratio test, Cauchy's nth root test, Raabe's test, Alternating series, Leibniz test, Absolute and conditional convergence.

56 responses



How much was your attendance in this course?

56 responses



Observations:

From the given responses, it is observed that around 85% of students agreed that they understood the fundamental properties of real numbers, including completeness and Archimedean, and density property of rational numbers in $\mathbb{R}$ and learned to define sequences in terms of functions from $\mathbb{N}$ to a subset of $\mathbb{R}$ and find the limit. The majority of students understood to apply limit comparison, ratio, root, and alternating series tests for convergence and absolute convergence of infinite series of real numbers.

Action Taken:

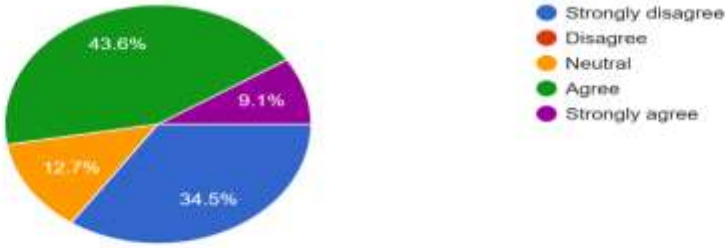
For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

Paper Name: Discipline Specific Core Course – 3: Probability and Statistics

UPC: 2352011103

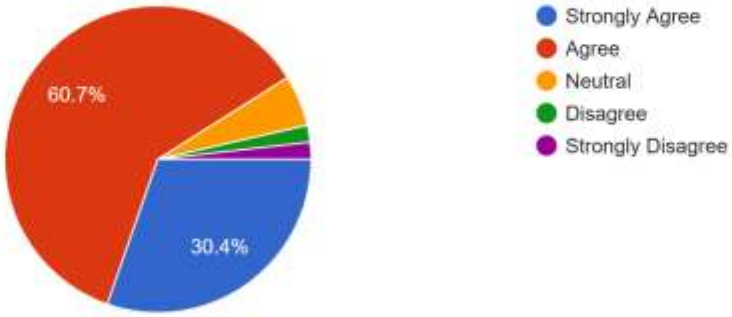
The course helped you to know the Basic concepts of Descriptive statistics: Populations, Samples, Stem-and-leaf displays, Dot plots, Histograms, Qualitative data, Boxplots

55 responses



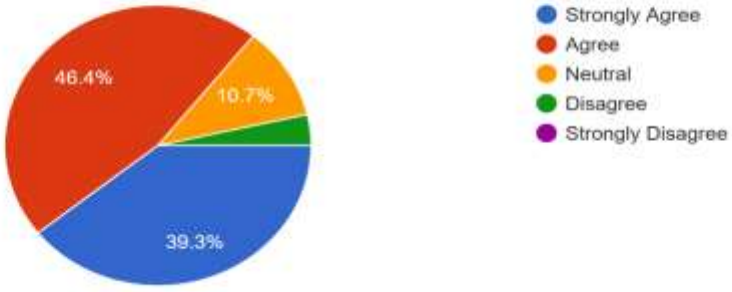
The course helped you to know the Probability axioms and properties, Conditional probability, Bayes' theorem and independent events.

56 responses



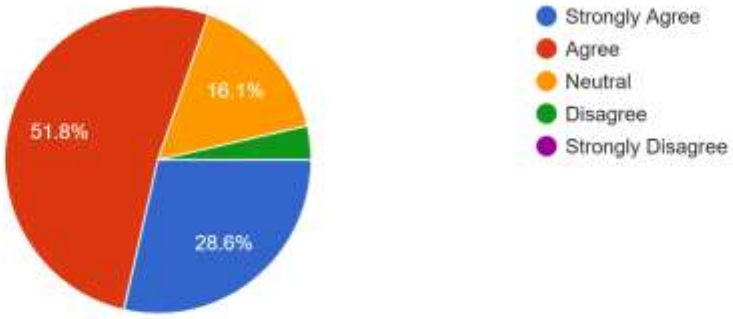
The course helped you to learn about Expected values; Probability distributions: Binomial, geometric, hypergeometric, negative binomial, Poisson, and Poisson distribution as a limit

56 responses



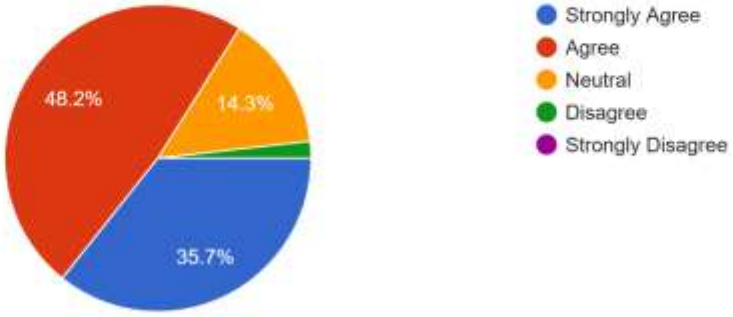
The course helped you to learn about the The normal, exponential and lognormal distributions.

56 responses



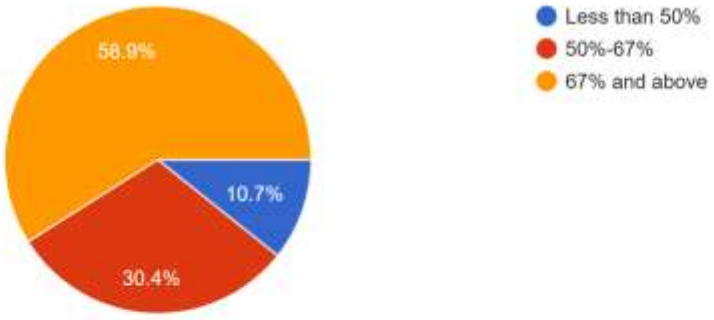
The course helped you to understand the Central Limit Theorem and applications; Scatterplot of bivariate data.

56 responses



How much was your attendance in this course?

56 responses



Observations:

From the given responses, it is observed that around 85% of students agreed that they understood some basic concepts and terminology - population, sample, descriptive and inferential statistics including stem-and-leaf plots, dotplots, histograms and boxplots and also learned about probability density functions and various univariate distributions such as binomial, hypergeometric, negative binomial, Poisson, normal, exponential and lognormal. The majority of students understood the remarkable fact that the empirical frequencies of so many natural populations, exhibit bell-shaped (i.e., normal) curves, using the Central Limit Theorem and concept of correlation and linear regression. It is also observed that students had an interest in the paper as 58.9% of students had more than 67% of attendance.

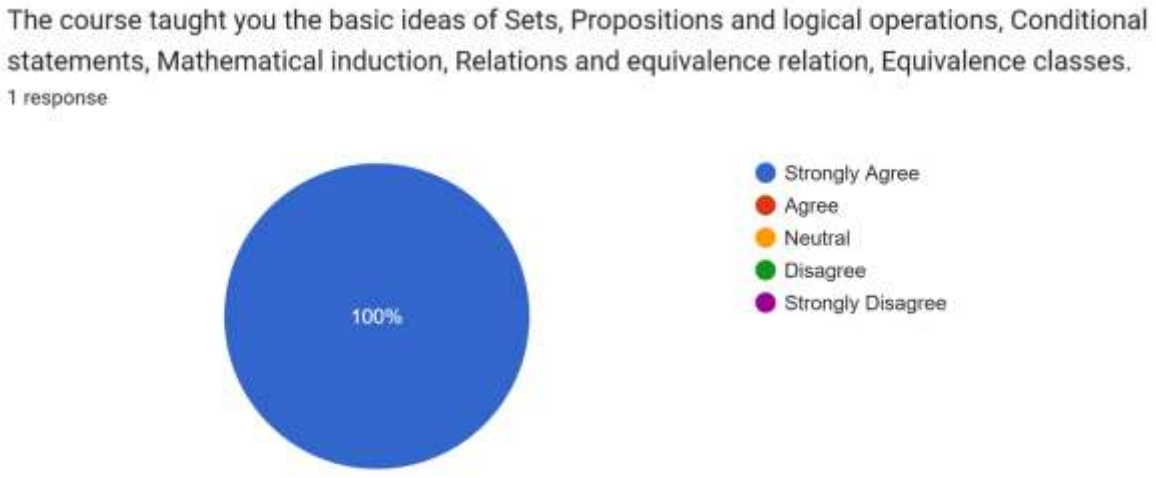
Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

Major-B. A. (Prog)-SEM-I

Paper: Elements of Discrete Mathematics

UPC:



The course helped you to learn the significance of the Maximal and minimal elements, least and greatest elements, Least upper bound, Greatest lower bound, Zorn's lemma.

1 response

The course helped you to learn the significance of the Maximal and minimal elements, least and greatest elements, Least upper bound, Greatest lower bound, Zorn's lemma.

1 response

The course helped you to understand Boolean algebra, De Morgan's laws, Boolean expressions, Truth tables, Logic diagrams.

1 response

The course helped you to learn Minimal forms of Boolean polynomials, Quine Mc-Cluskey method, Karnaugh maps.

1 response

How much was your attendance in this course?

1 response

Observations:

From the given responses, it is observed that around 100% of students strongly agreed and agreed that they understood Propositions and logical operations, Conditional statements, Mathematical induction, Relations and equivalence relation, the significance of the Maximal and minimal elements, about Lattice as a POSET, Lattice as an algebra and their equivalence, Bounded lattices.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

Minor-B. A. (Prog)-SEM-I

Paper: Topics in Calculus

UPC: 2352571101

The course taught you the basic ideas of definition of a limit, Infinite limits, Continuity and types of discontinuities; Differentiability of a function, Successive differentiation.

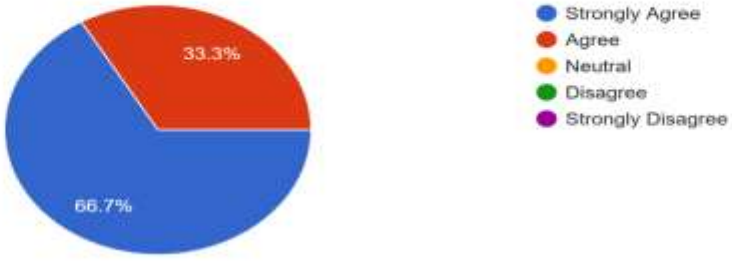
9 responses

The course helped you to learn the significance of Calculation of the nth derivatives, Leibnitz theorem; Partial differentiation, Euler's theorem on homogeneous functions.

9 responses

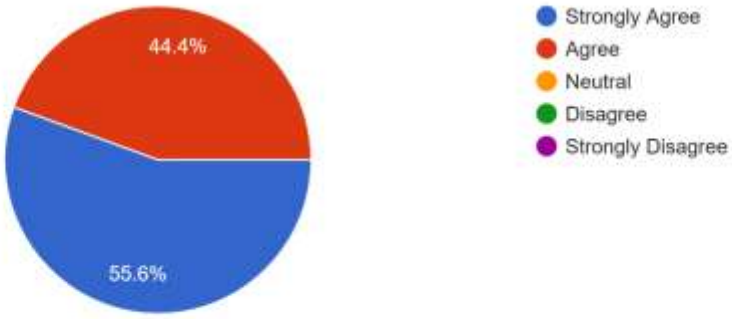
The course helped you to learn about Rolle's theorem, Mean value theorems and applications to monotonic functions and inequalities.

9 responses



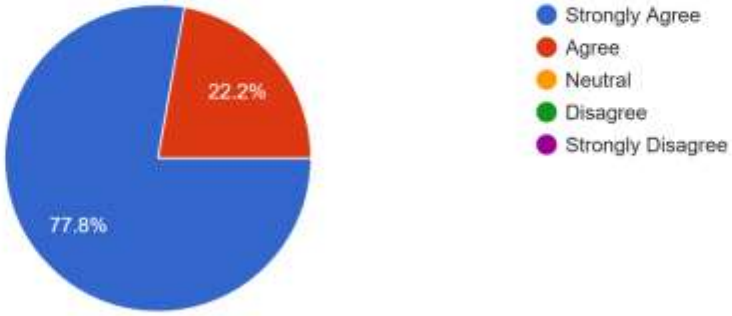
The course helped you to understand Taylor's theorem, Taylor's series, Maclaurin's series.

9 responses



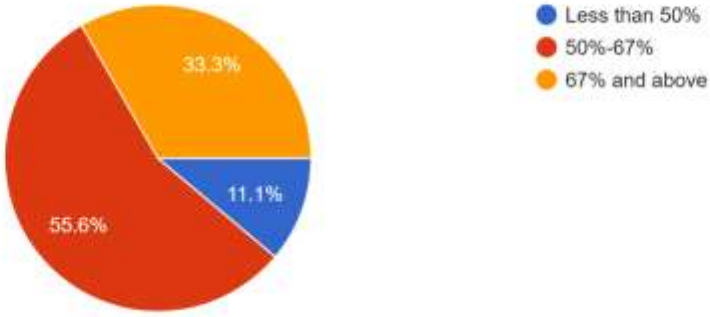
The course helped you to learn Asymptotes (parallel to axes and oblique), Concavity and inflexion points, Singular points.

9 responses



How much was your attendance in this course?

9 responses



Observations:

From the given responses, it is observed that around 90% of students strongly agreed and agreed that they understood about the significance of Calculation of the nth derivatives, Leibnitz theorem; Partial differentiation, Euler's theorem on homogeneous functions, Rolle's theorem, Mean value theorems and applications to monotonic functions and inequalities, Asymptotes (parallel to axes and oblique), Concavity and inflexion points, Singular points. It is also observed that students had an interest in the paper as 45% of students had more than 67% of attendance.

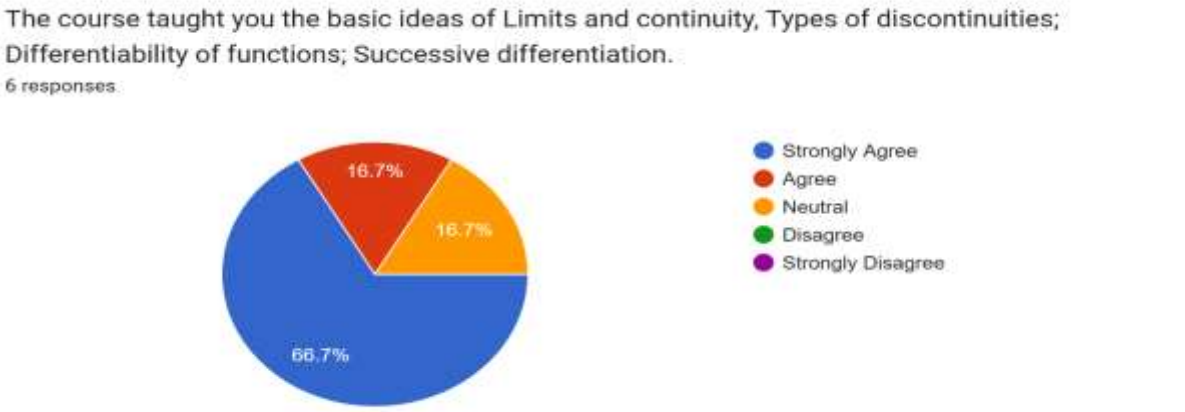
Action Taken:

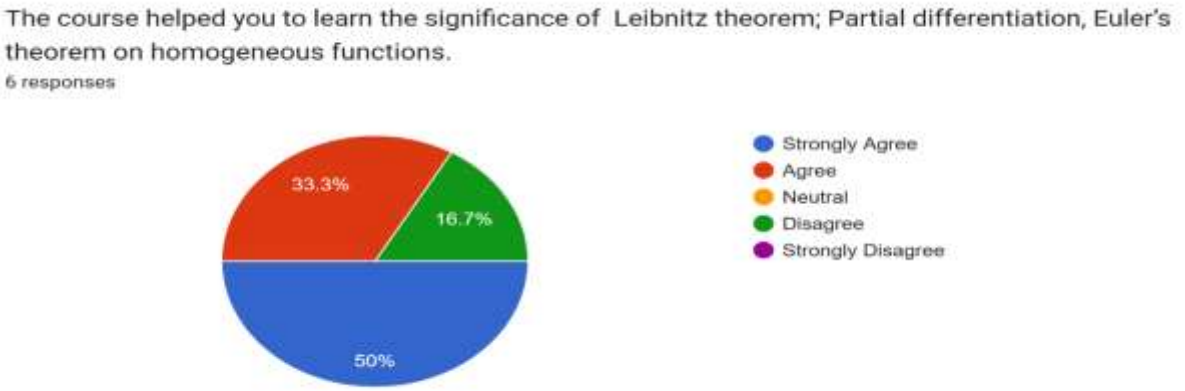
For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

GENERIC ELECTIVES (GE) Semester-I

Paper Name: GE I-Fundamentals of Calculus

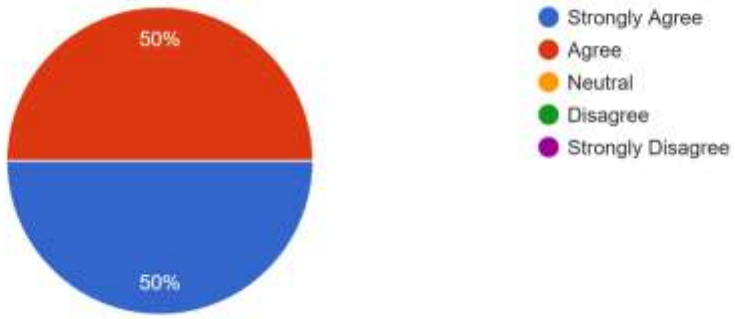
UPC: 2354001001





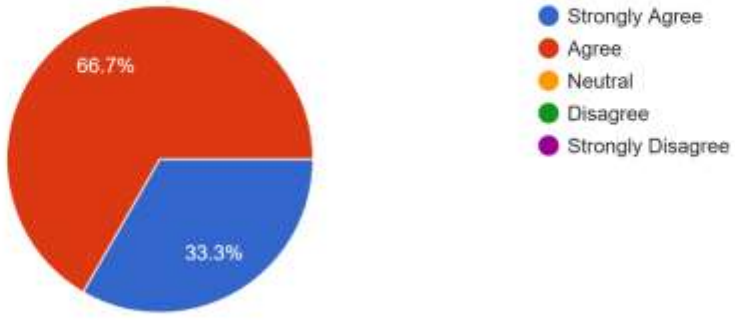
The course helped you to learn about Rolle's theorem, Mean value theorems and applications to monotonic functions and inequalities; Expansion of functions.

6 responses



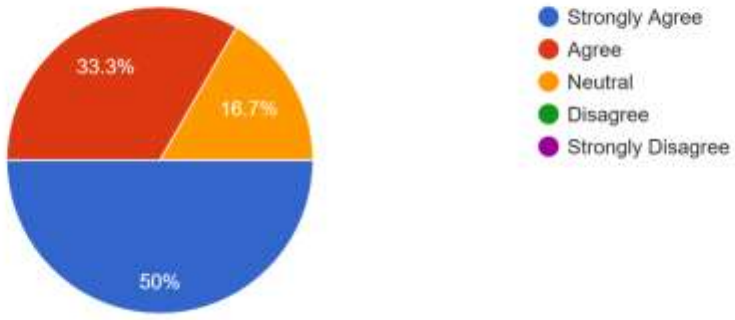
The course helped you to understand Taylor's theorem, Taylor's series, Maclaurin's series expansion.

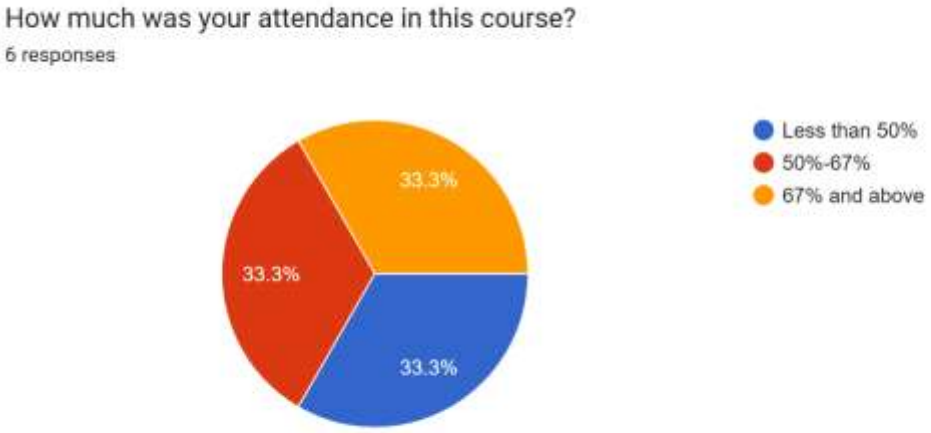
6 responses



The course helped you to learn Concavity and inflexion points, Asymptotes.

6 responses





Observations:

From the given responses, it is observed that more than 84% of the students strongly agreed and agreed that they were able to represent and interpret the basic ideas of Limits and continuity, Types of discontinuities; Differentiability of functions; Successive differentiation, he significance of Leibnitz theorem; Partial differentiation, Taylor's theorem, Taylor's series, Maclaurin's series expansion.

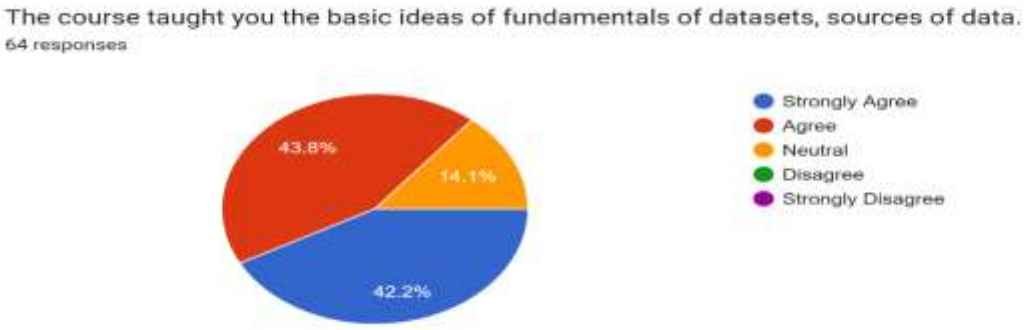
Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students.

All Courses-SEC (IT Skills and Data Analysis) Semester-I

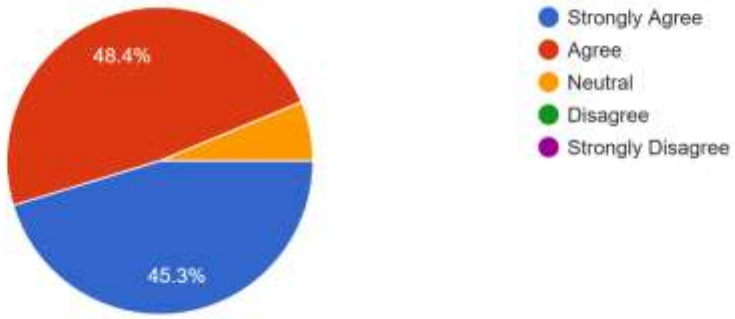
Paper Name: SEC: IT Skills and Data Analysis-I

UPC: 3126000001



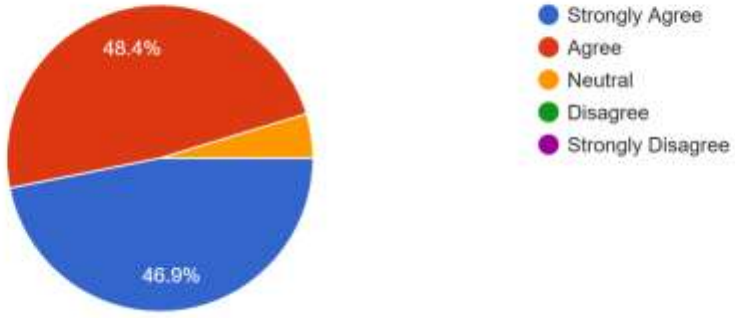
The course helped you to learn the significance of frequency distributions and graphical representations of data.

64 responses



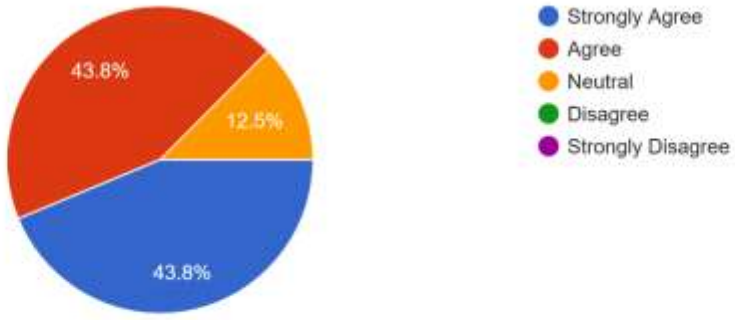
The course helped you to learn about Measures of central tendency: mean, median, mode.

64 responses



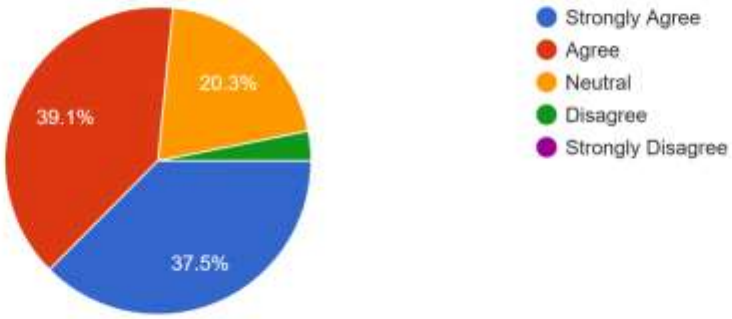
The course helped you to understand Measures of dispersion: range, variance, standard deviation.

64 responses



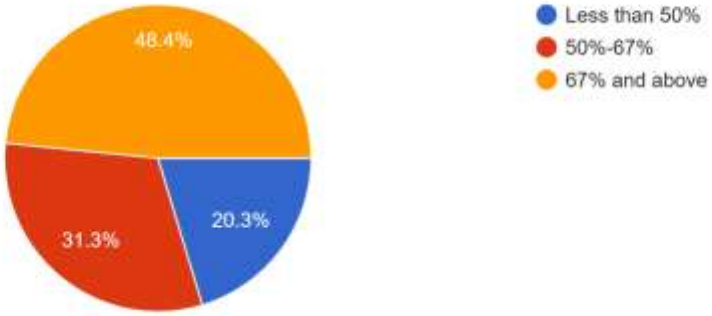
The course helped you to learn Visualize the measures of central tendency and dispersion through frequency curve and histogram.

64 responses



How much was your attendance in this course?

64 responses



Observations:

From the given responses, it is observed that more than 82% of the students strongly agreed and agreed that they were able about to the basic ideas of fundamentals of datasets, sources of data, the significance of frequency distributions and graphical representations of data, Measures of central tendency: mean, median, mode etc.

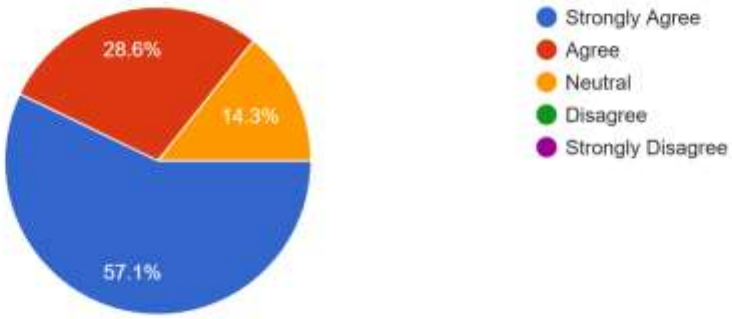
Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practicals would also be done at regular intervals.

All Courses (Digital Empowerment), VAC Semester-I

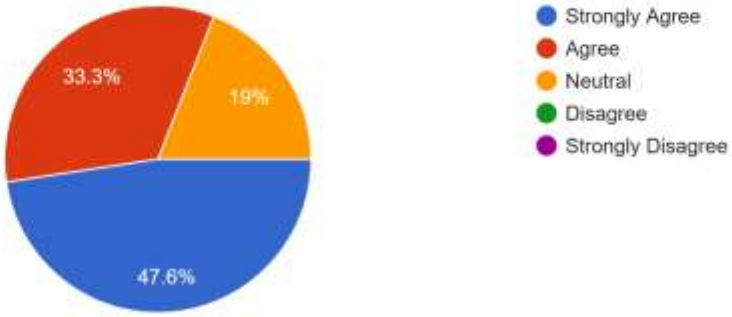
The course taught you the basic ideas of Vision of Digital India: DigiLocker, E-Hospitals, e-Pathshala, BHIM, e-Kranti

21 responses



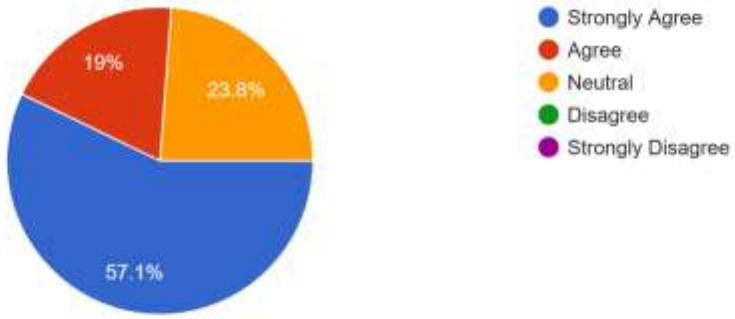
The course helped you to learn the significance of Public utility portals of Govt. of India such as RTI, Health, Finance, Income Tax filing, Education.

21 responses



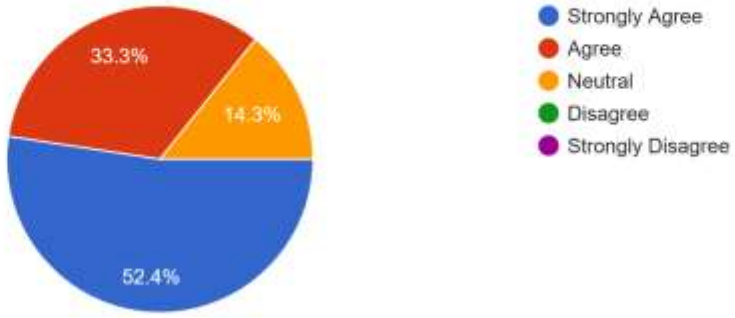
The course helped you to learn about Electronic Communication: electronic mail, biogs, social media.

21 responses



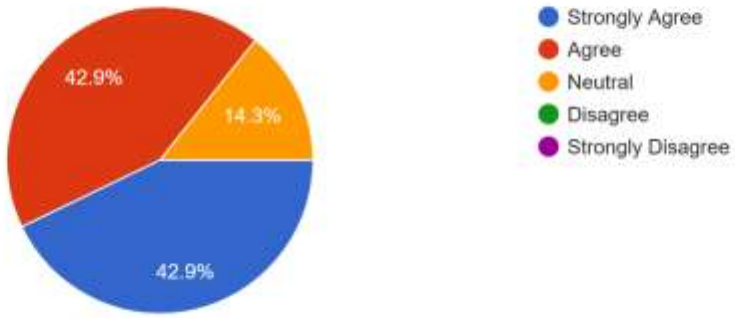
The course helped you to understand Online security and privacy , Threats in the digital world: Data breach and Cyber Attacks.

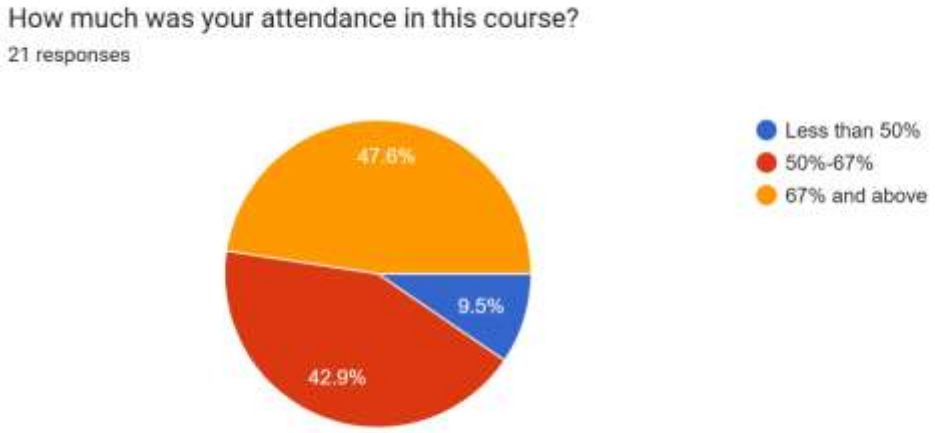
21 responses



The course helped you to learn about Ethical Issues in Digital World.

21 responses





Observations:

From the given responses, it is observed that more than 85% of the students strongly agreed and agreed that they were able about to the basic ideas of Vision of Digital India: DigiLocker, E-Hospitals, e-Pathshala, BHIM, e-Kranti, Public utility portals of Govt. of India such as RTI, Health, Finance, Income Tax filing, Education, Electronic Communication: electronic mail, biogs, social media, Online security and privacy , Threats in the digital world: Data breach and Cyber Attacks.

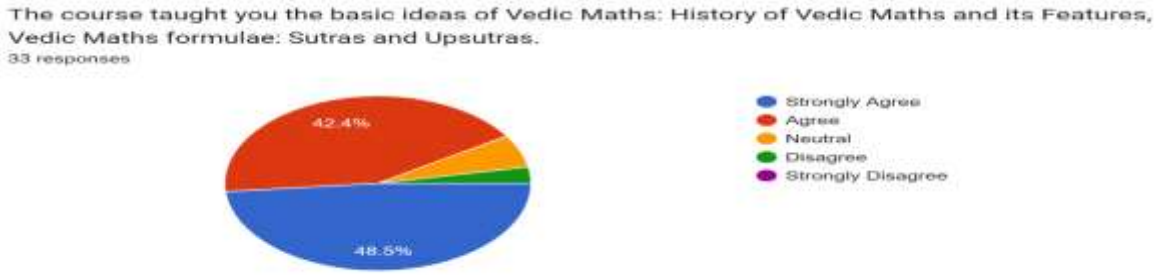
Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

All Courses (Vedic Mathematics-I), VAC Semester-I

Paper:VAC: Vedic Mathematics I

Paper Code: 6967001020

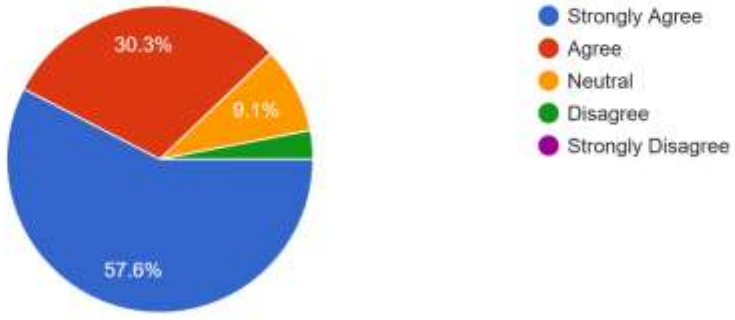


The course helped you to learn the significance of Addition in Vedic Maths: Without carrying, Dot Method.

33 responses

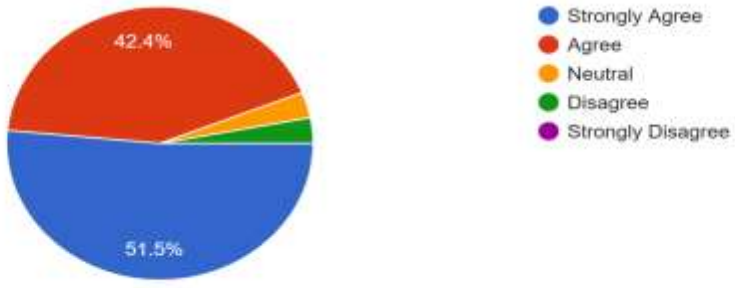
The course helped you to learn about Multiplication in Vedic Maths: Base Method (any two numbers upto three digits).

33 responses



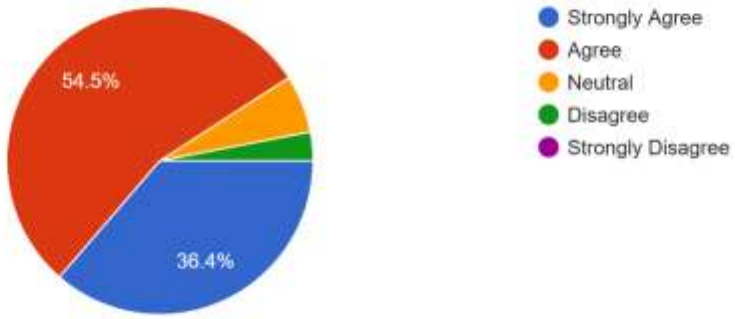
The course helped you to understand Squares of any two-digit numbers: Base method, Square of numbers ending in 5: Ekadhikena Purvena Sutra.

33 responses



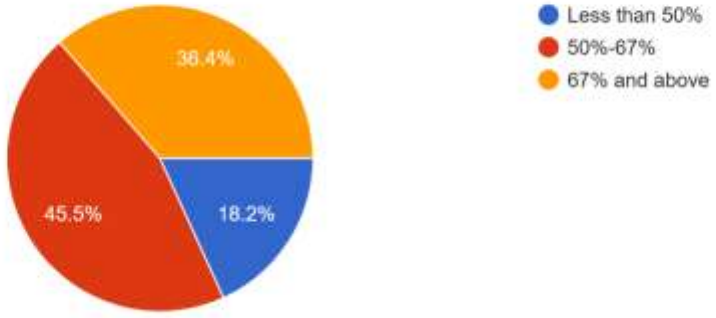
The course helped you to learn Factoring Quadratic equation: Anurupyena, Adyamadyenantyamanty Sutra • Concept of Baudhayana (Pythagoras) Theorem.

33 responses



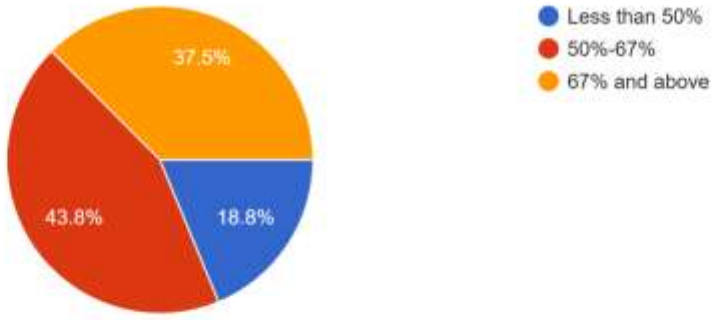
How much was your attendance in this course?

33 responses



How much was your attendance in this course?

32 responses



Observations:

From the given responses, it is observed that more than 80% of the students strongly agreed and agreed that they were able about the basic ideas of Vedic Maths: History of Vedic Maths and its Features, Vedic Maths formulae: Sutras and Upsutras, Addition in Vedic Maths: Without carrying, Dot Method, Multiplication in Vedic Maths: Base Method (any two numbers upto three digits), Squares of any two-digit numbers: Base method, Square of numbers ending in 5: Ekadhikena Purvena Sutra etc.

Actions Taken

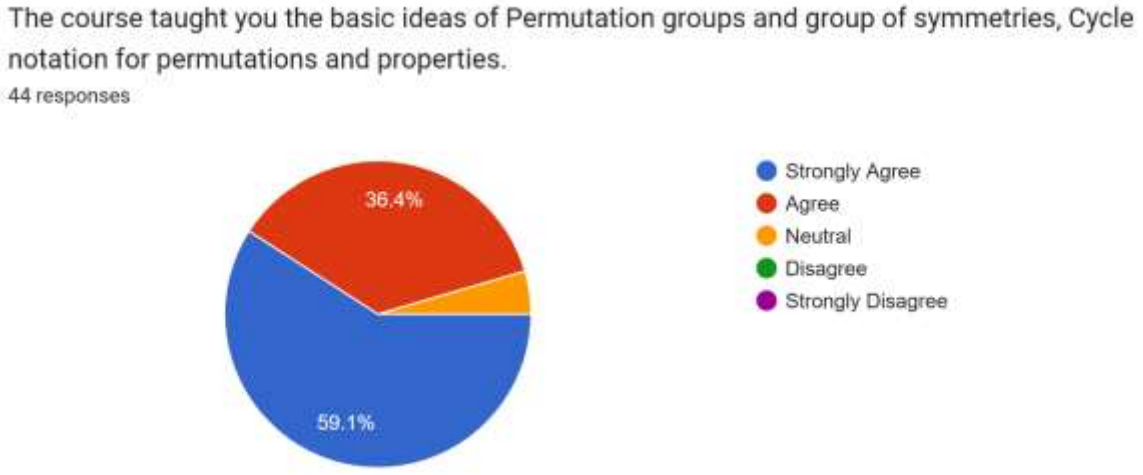
The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

SEMESTER-3

Course Exit Survey for B.Sc.(H) Mathematics II Year (Semester 3) 2025-26

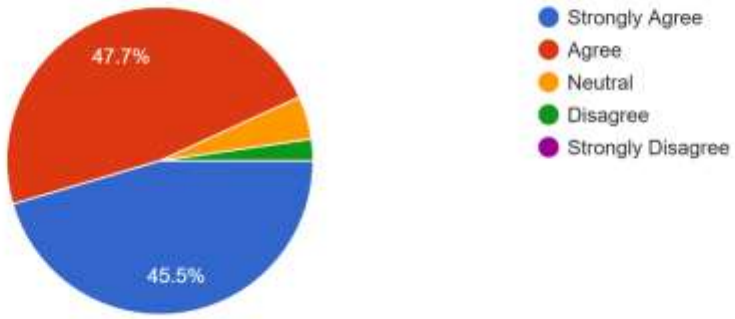
Department: Mathematics **Program: B.Sc.(H) Mathematics**

Paper Name: Discipline Specific Core Course – 7: Group Theory



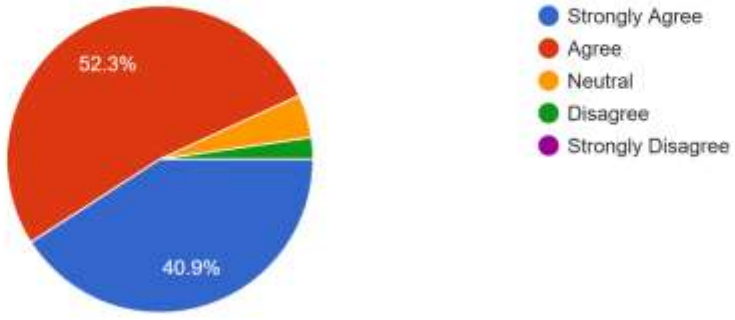
The course helped you to learn the significance of Lagrange's theorem and consequences including Fermat's Little theorem, Number of elements in product of two finite subgroups.

44 responses



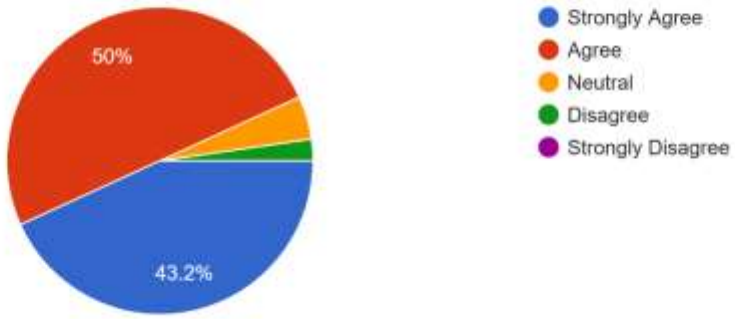
The course helped you to reframe your thinking about Group homomorphisms, isomorphisms and properties, Cayley's theorem; First, Second and Third isomorphism theorems for groups.

44 responses



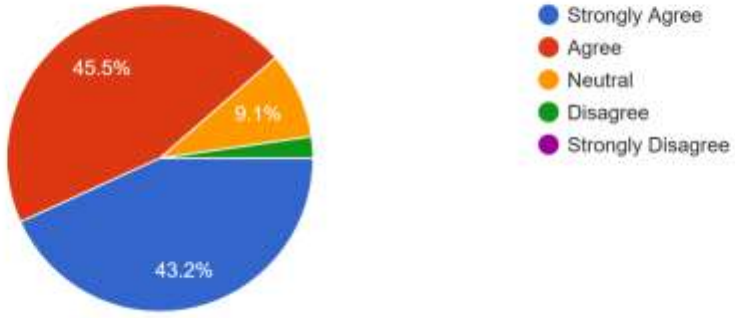
The course helped you to understand the role of Cyclic groups, Applications of factor groups to automorphism groups.

44 responses



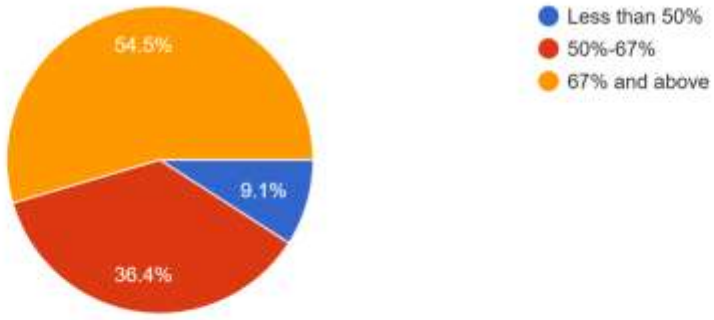
The course helped you to learn about External direct products of groups and its properties.

44 responses



How much was your attendance in this course?

44 responses



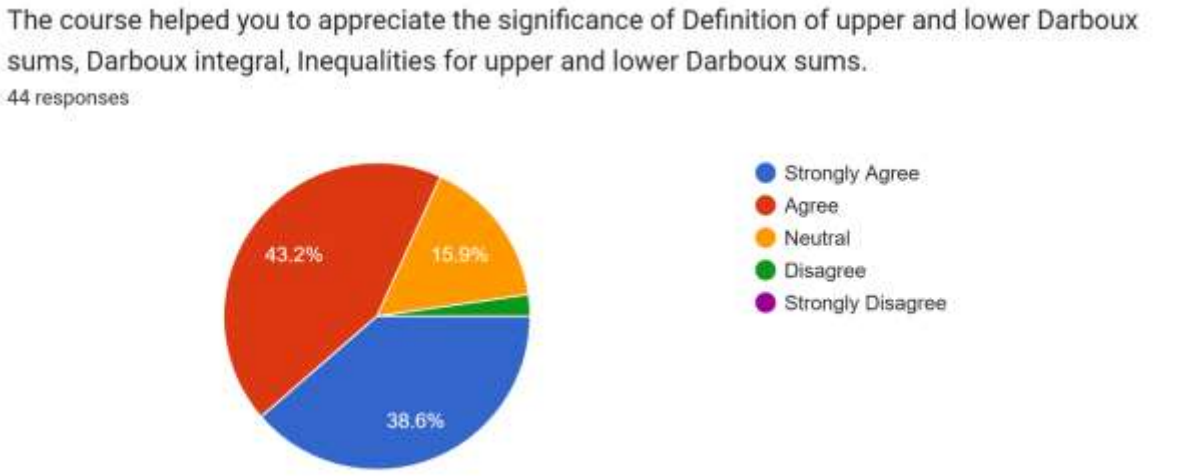
Observations:

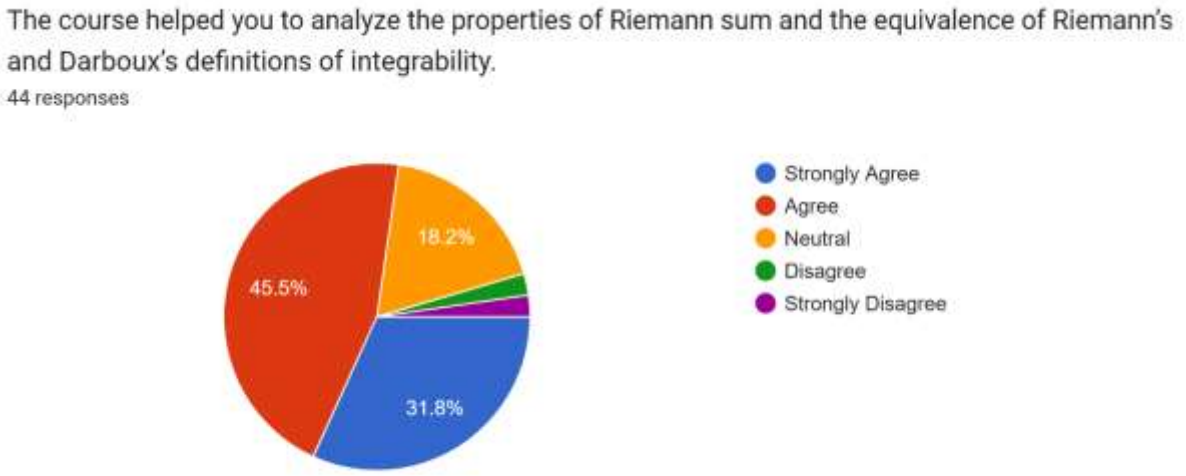
From the given responses, it is observed that more than 92% of students strongly agreed and agreed that they understood the fundamental properties of group,Symmetric group, Normal group, Factor group and direct product of groups. Also knows about the Homomorphism and Isomorphism between two groups.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

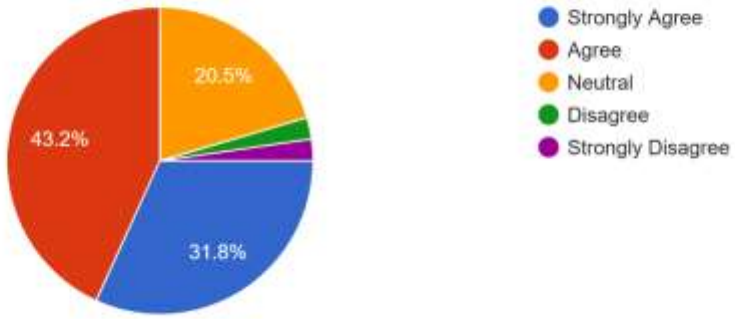
Paper Name: Discipline Specific Core Course – 8 RIEMANN INTEGRATION





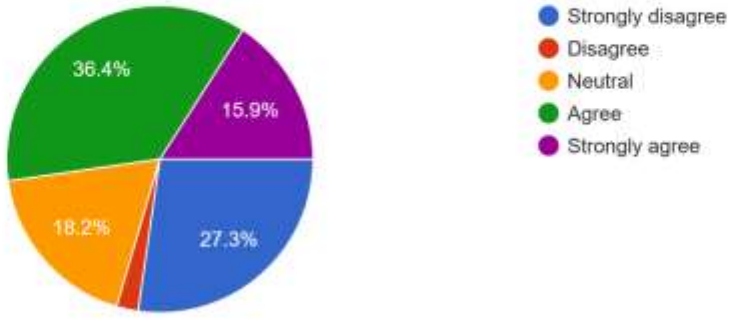
The course helped you to understand Riemann integrability of monotone functions and continuous functions, Properties of Riemann integrable functions.

44 responses



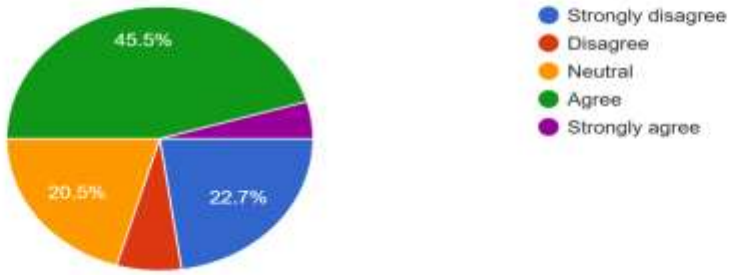
The course helped you to learn Intermediate value theorem for integrals, Fundamental Theorems of Calculus.

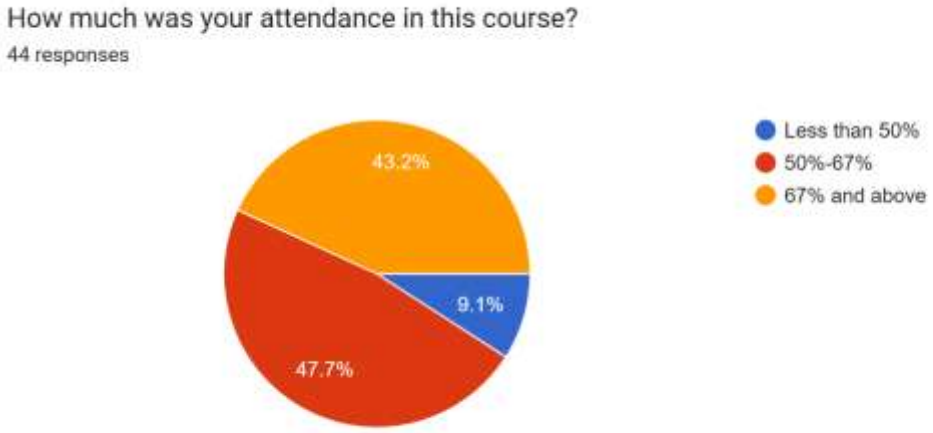
44 responses



The course helped you to understand about the Convergence of improper integrals, The beta and gamma functions and their properties.

44 responses





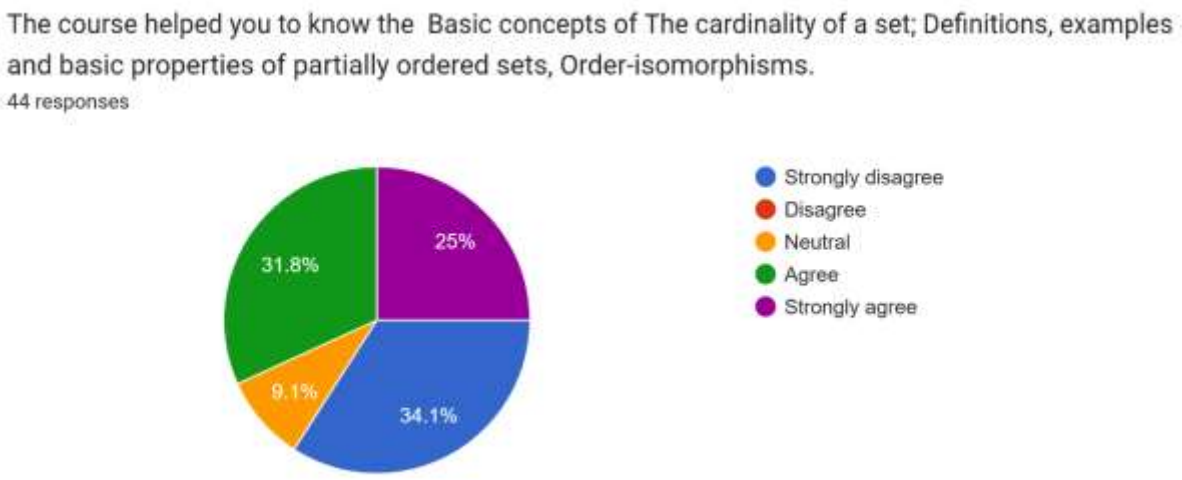
Observations:

From the given responses, it is observed that more than 82% of students strongly agreed and agreed that they learned to determine the Riemann sum, intermediate value theorem for integral, Fundamental theorem and convergence of improper integral. They also learned to recognize the integral for practical purposes.

Action Taken:

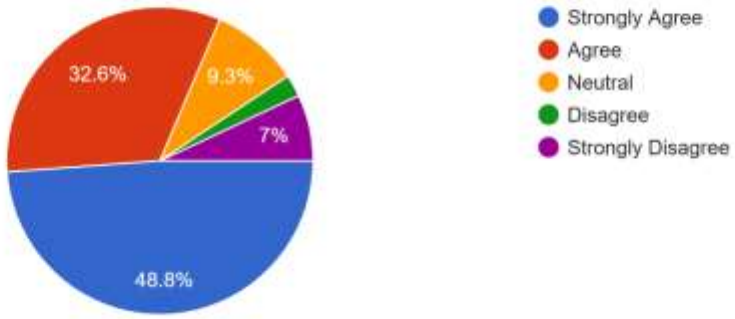
For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

Paper Name: Discipline Specific Core Course – 9: DISCRETE MATHEMATICS



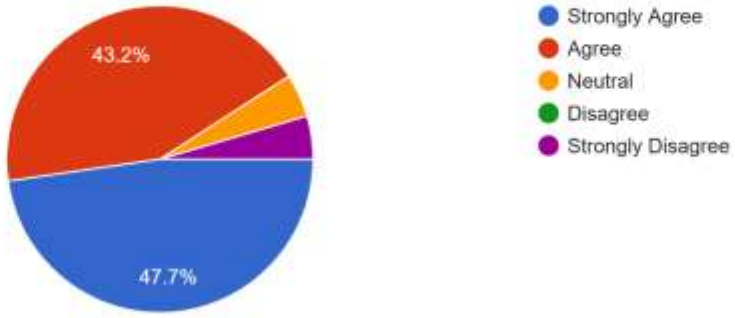
The course helped you to know the Maximal and minimal elements, Zorn's lemma, Building new ordered sets.

43 responses



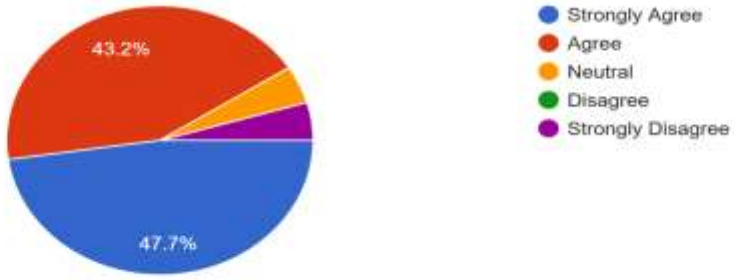
The course helped you to learn Lattices as ordered sets, Lattices as algebraic structures, Sublattices, Products, Lattice isomorphism.

44 responses



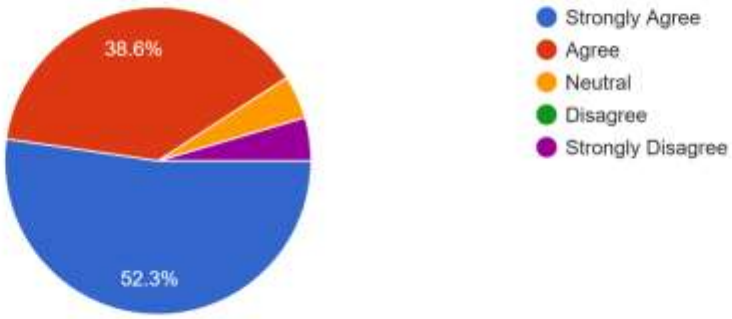
The course helped you to learn about the Complemented lattice, Relatively complemented lattice, Sectionally complemented lattice.

44 responses



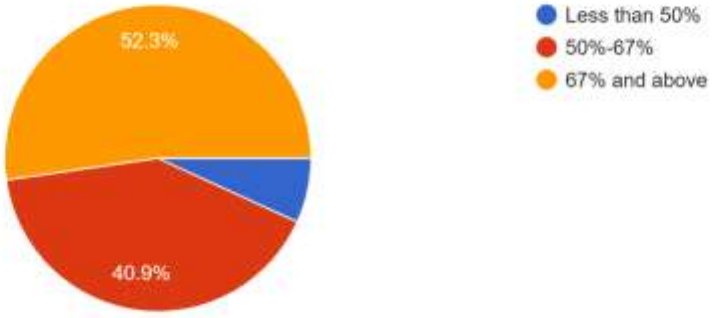
The course helped you to understand the Boolean algebras, De Morgan's laws, Boolean homomorphism, Representation theorem, Boolean polynomials.

44 responses



How much was your attendance in this course?

44 responses



Observations:

From the given responses, it is observed that more than 56% of students strongly agreed and agreed that they understood some basic concepts and terminology of partially ordered sets, ordered isomorphism, Bottom and Top elements, Maximal and Minimal elements, complemented lattice, Relative Complemented lattice and Sectionally Complemented lattice.

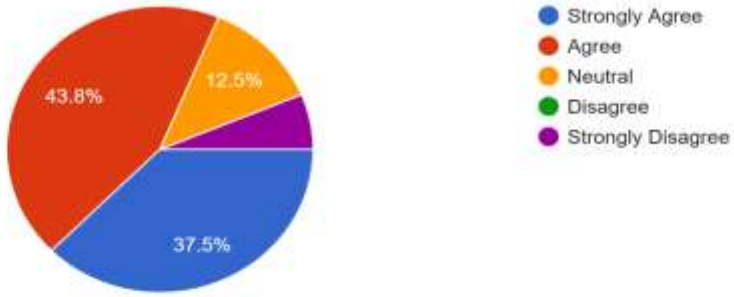
Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

DSE-(iii)-Number Theory

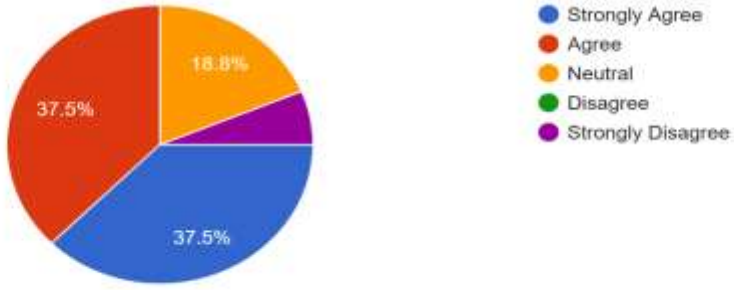
The course helped you to learn about the The Euclidean Algorithm and linear Diophantine equation; Least non-negative residues and complete set of residues modulo n.

16 responses



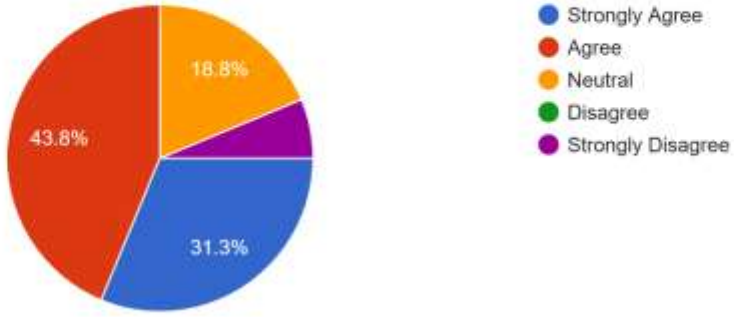
The course helped you to learn about the Wilson's theorem and its converse, Application to solve quadratic congruence equation modulo odd prime.

16 responses



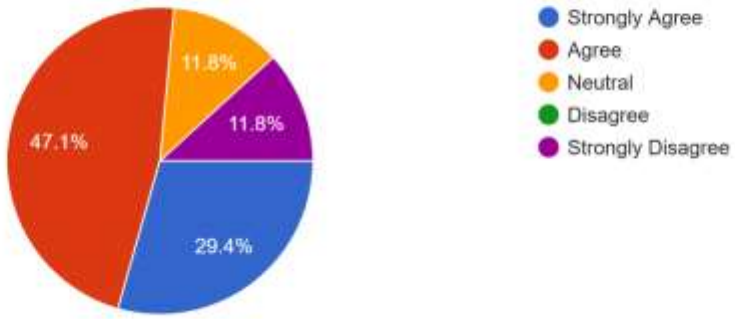
The course helped you to learn about the Number-theoretic functions for the sum and number of divisors, Multiplicative function.

16 responses



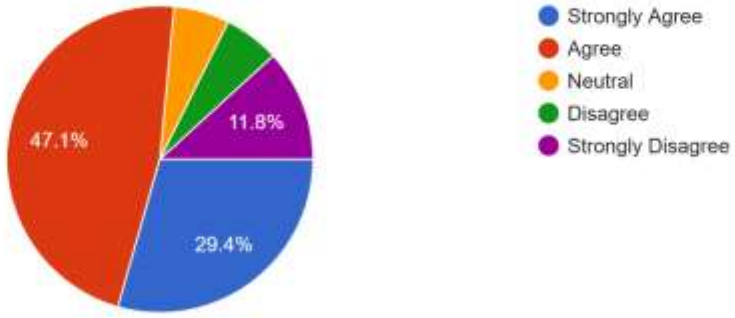
The course helped you to learn about the Euler's Phi-function, Euler's theorem and some properties of the Phi-function.

17 responses



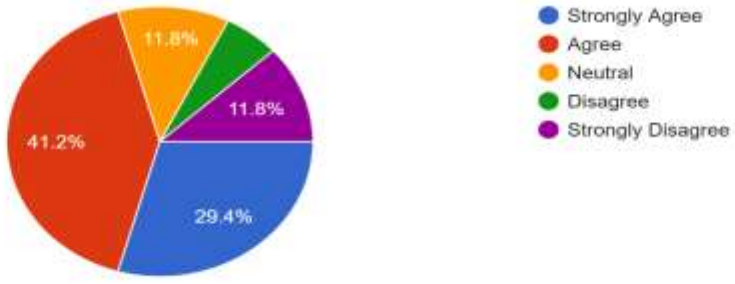
The course helped you to learn about the Quadratic Reciprocity law and its application; Introduction to cryptography, Hill's cipher.

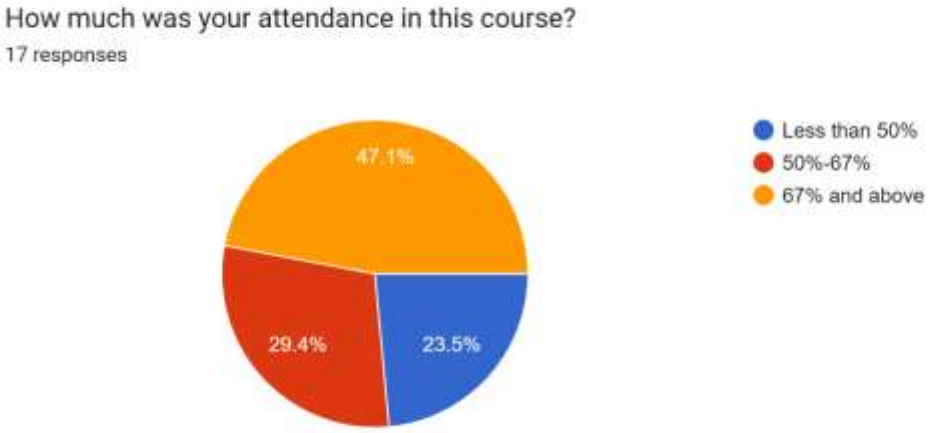
17 responses



The course taught you to about the The quadratic residue and nonresidue of an odd prime and Euler's criterion.

17 responses



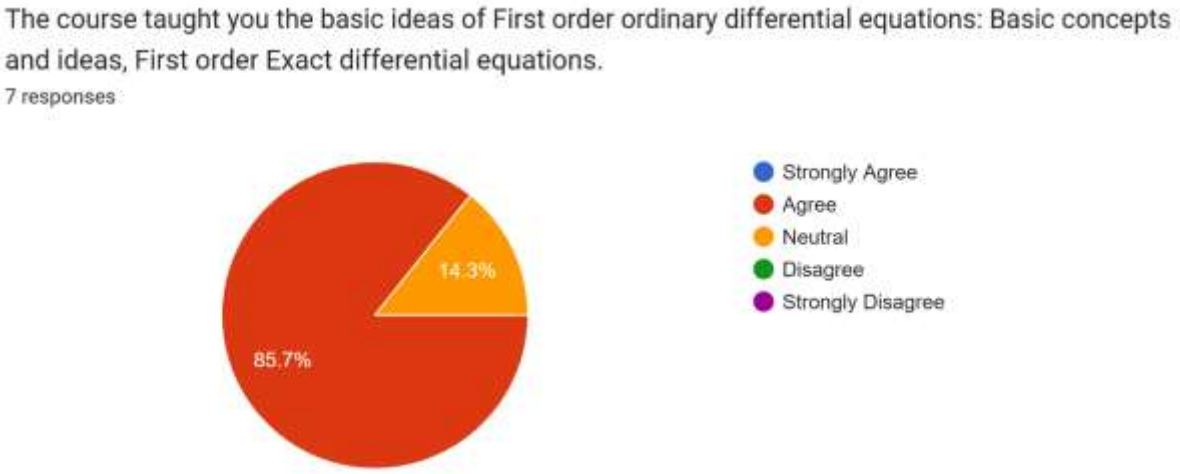


Observations: From the given responses, it is observed that more than 80% of students strongly agreed or agreed that they were able to learn the concept of polynomial equations and properties, Cubic equation, Quartic equation and Symmetric Functions. It is also observed that students need to be motivated to choose this subject.

Action Taken: Measures will be taken to make the subject more interesting to the students to ensure more no. of students takes this subject next time.

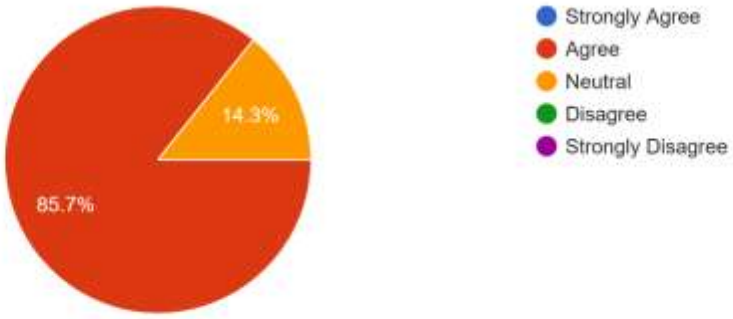
Minor-B. A. (Prog)-SEM-III-COURSE EXIT SURVEY FORM 2025-26

Paper Name: Course 1: DSC-Minor(A-3): Differential Equations



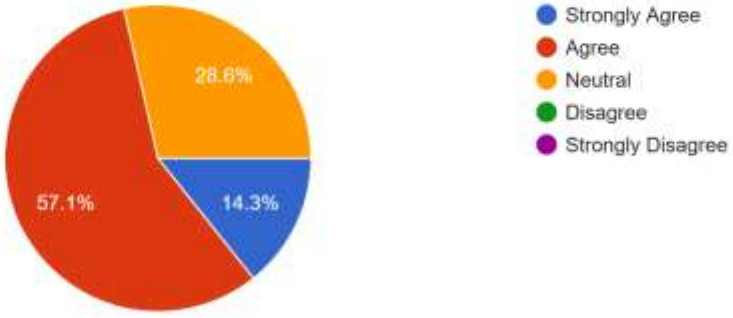
The course helped you to learn the significance of Wronskian and its properties.

7 responses



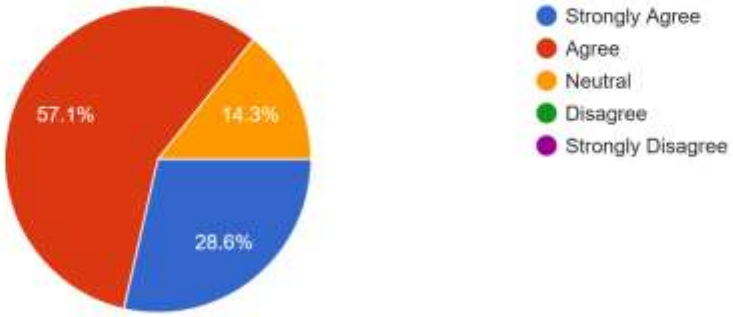
The course helped you to learn about Linear homogeneous equations with constant coefficients, Linear non-homogeneous equations.

7 responses



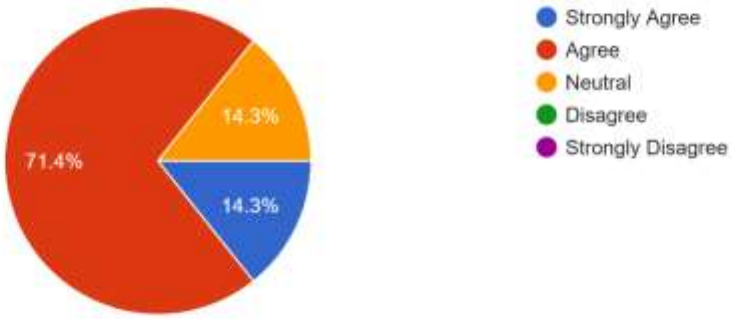
The course helped you to understand Cauchy-Euler equations, System of linear differential equations.

7 responses



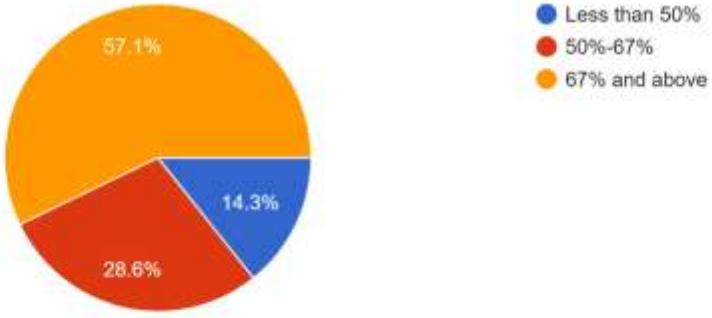
The course helped you to learn about Classification and reduction to canonical forms of second-order linear partial differential equations and their general solutions.

7 responses



How much was your attendance in this course?

7 responses



Observations:

From the given responses, it is observed that more than 85 % of students strongly agreed or agreed that they were able to learn the concept of ordinary differential equations, Explicit methods of solving higher order linear differential equations. Also learn about First and Second order Partial differential equations. It is also observed that students need to be motivated to attend the course as 20% students had more than 67% of attendance.

Action Taken:

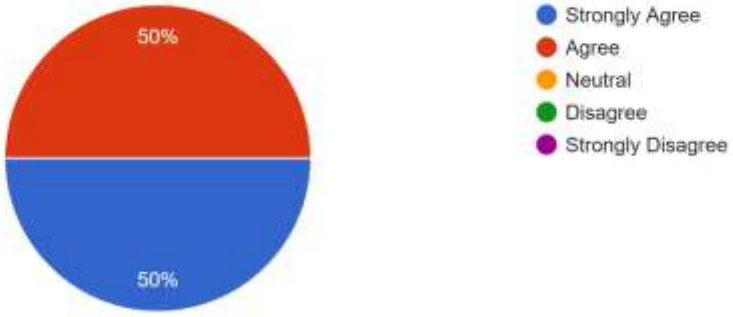
Measures will be taken to make the subject more interesting to the students to ensure higher attendance.

GENERIC ELECTIVES (GE) Semester-III -COURSE EXIT SURVEY FORM 2025-26

Course 1:GE- Sem.-3: Differential Equations

The course taught you the basic ideas of First order ordinary differential equations: Basic concepts and ideas, First order Exact differential equations.

2 responses



The course helped you to learn the significance of Wronskian and its properties.

2 responses

The course helped you to learn about Linear homogeneous equations with constant coefficients, Linear non-homogeneous equations.

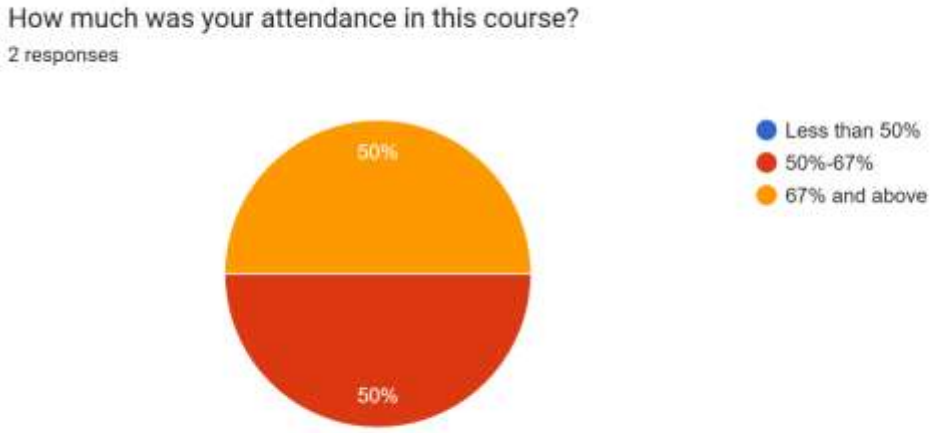
2 responses

The course helped you to understand Cauchy-Euler equations, System of linear differential equations.

2 responses

The course helped you to learn about Classification and reduction to canonical forms of second-order linear partial differential equations and their general solutions.

2 responses

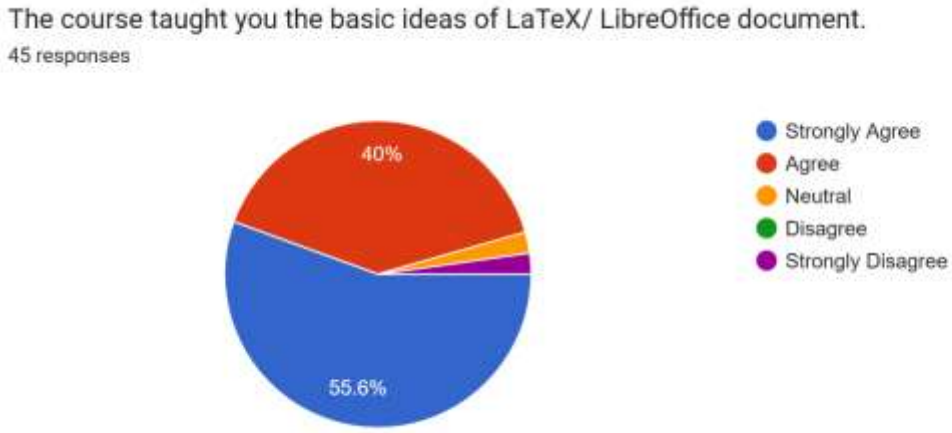


Observations: From the given responses, it is observed that more than 100 % of students strongly agreed or agreed that they were able to learn the concept of ordinary differential equations, Explicit methods of solving higher order linear differential equations. Also learn about First and Second order Partial differential equations. It is also observed that students need to be motivated to attend the course as 20% students had more than 67% of attendance.

Action Taken: Measures will be taken to make the subject more interesting to the students to ensure higher attendance.

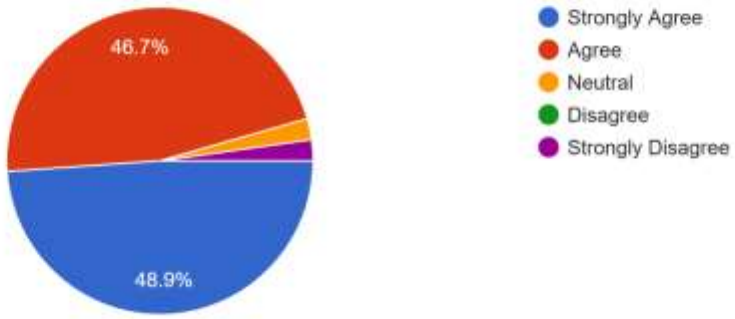
All Courses-SEC(Document) Semester-III -COURSE EXIT SURVEY FORM 2025-26

All Courses-SEC-Sem-3: Document Preparation and Presentation Software



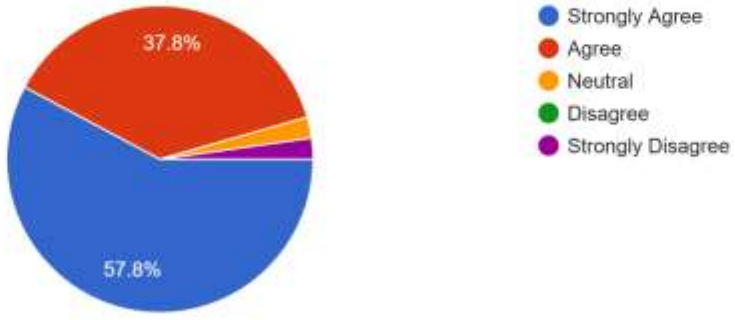
The course helped you to learn about the Loading and using packages, setting margins, header and footer, and page orientation.

45 responses



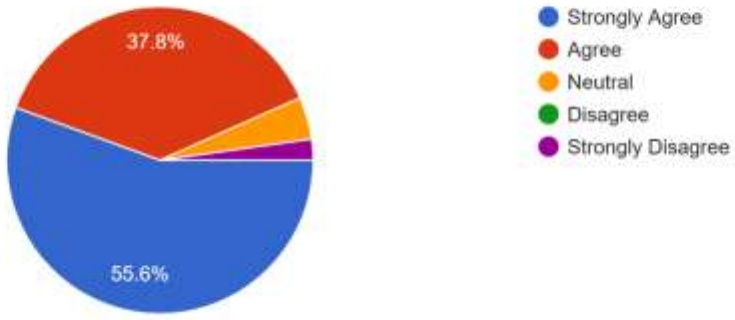
The course helped you to learn about Formatting text (styles, size, alignment), Adding colours to a block of text/ page, Adding ordered and unordered lists.

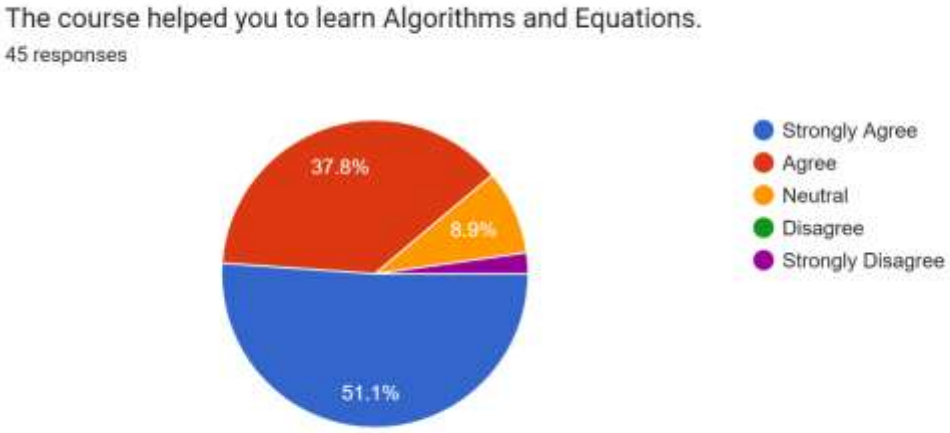
45 responses

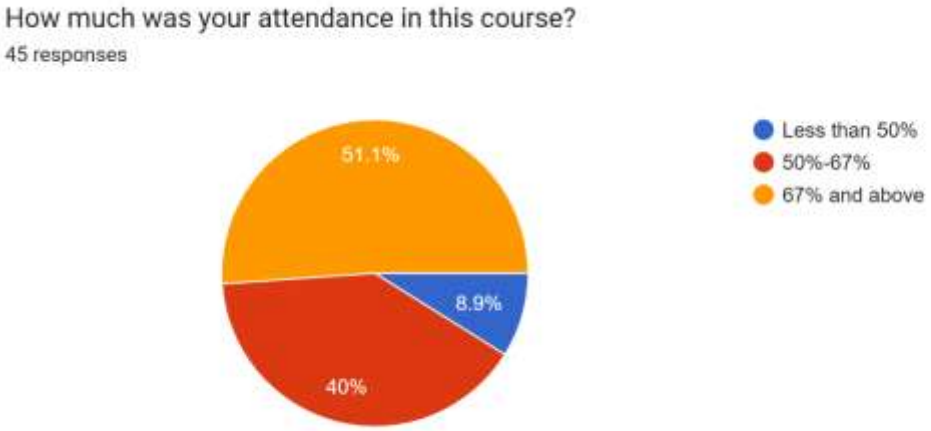


The course helped you to understand about Tables and Figures.

45 responses







Observations:

From the given responses, it is observed that more than 89% of students strongly agreed or agreed that they were able to learn about Document Preparation & Presentation Software, he basic ideas of LaTeX/ LibreOffice document, bout the Loading and using packages, setting margins, header and footer, and page orientation, about Formatting text (styles, size, alignment), Adding colours to a block of text/ page, Adding ordered and unordered lists. It is also observed that students need to be motivated to attend the course as 20% students had more than 67% of attendance.

Action Taken:

Measures will be taken to make the subject more interesting to the students to ensure higher attendance.

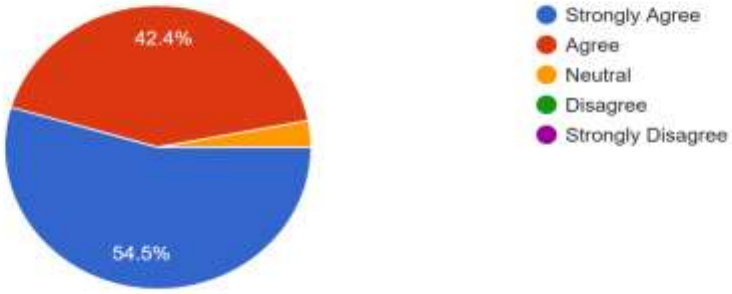
All Courses-SEC-IT Skills and Data Analysis-1

Paper Name: SEC: IT Skills and Data Analysis-I

UPC: 3126000001

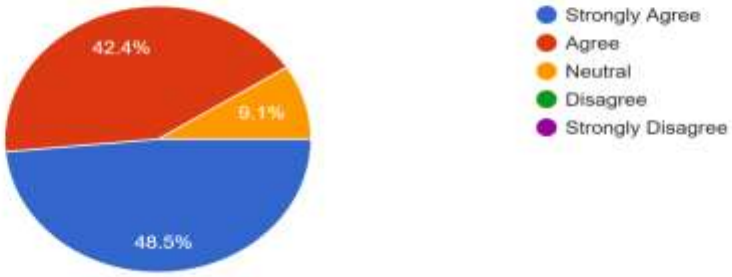
The course taught you the basic ideas of fundamentals of datasets, sources of data.

33 responses



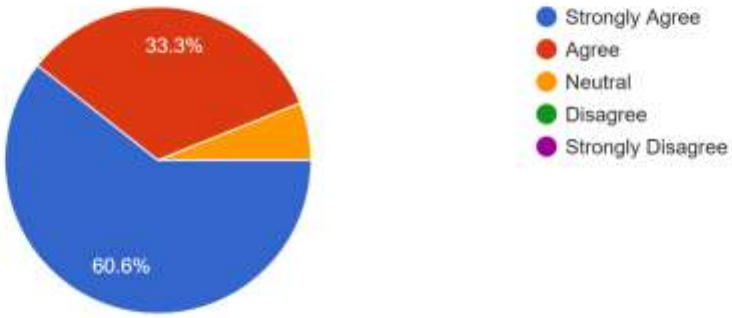
The course helped you to learn the significance of frequency distributions and graphical representations of data.

33 responses



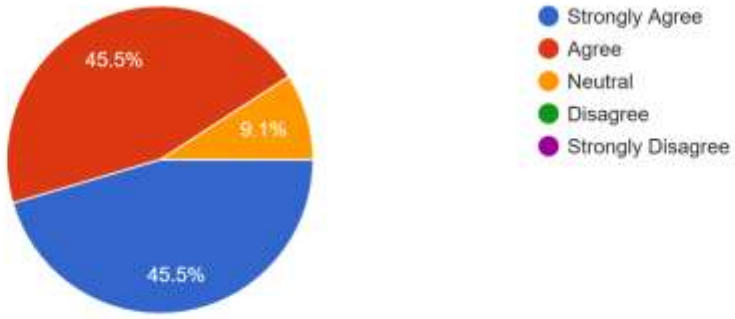
The course helped you to learn about Measures of central tendency: mean, median, mode.

33 responses



The course helped you to understand Measures of dispersion: range, variance, standard deviation.

33 responses

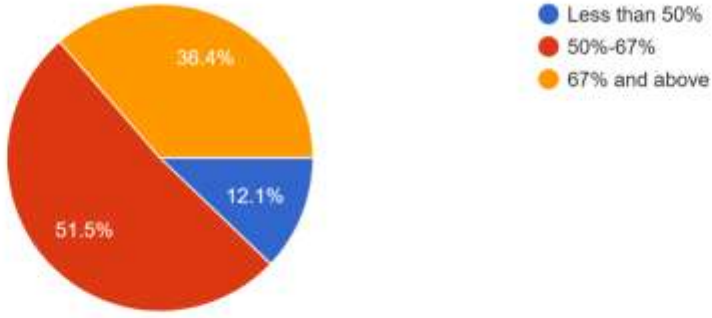


The course helped you to learn Visualize the measures of central tendency and dispersion through frequency curve and histogram.

33 responses

How much was your attendance in this course?

33 responses



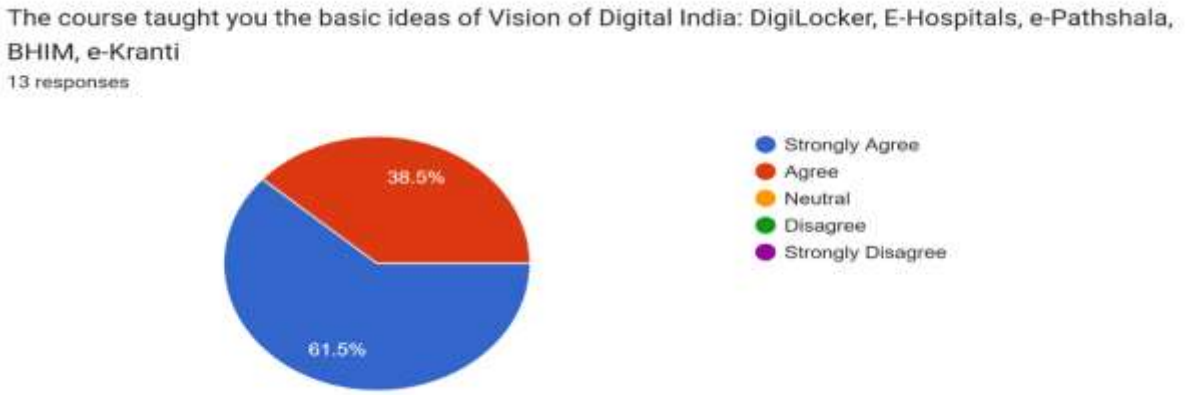
Observations:

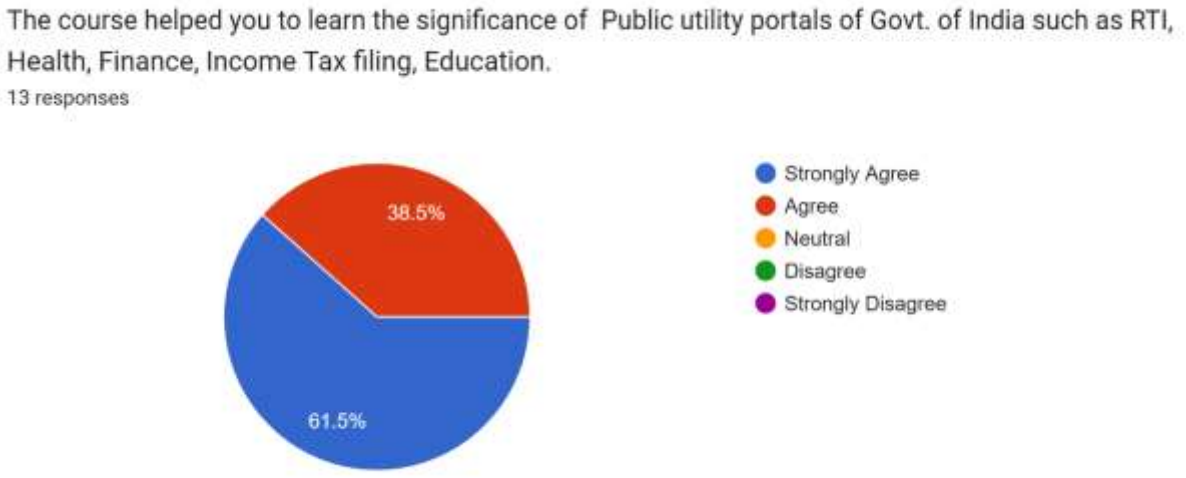
From the given responses, it is observed that more than 92% of the students strongly agreed and agreed that they were able to understand the basic ideas of fundamentals of datasets, sources of data, the significance of frequency distributions and graphical representations of data, about Measures of central tendency: mean, median, mode, Measures of dispersion: range, variance, standard deviation, Visualize the measures of central tendency and dispersion through frequency curve and histogram.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

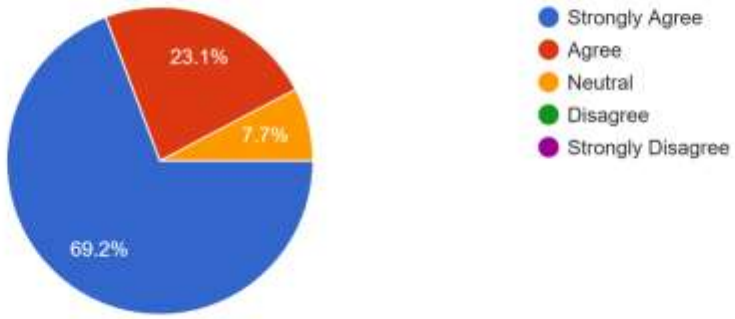
All Courses VAC -Digital Empowerment





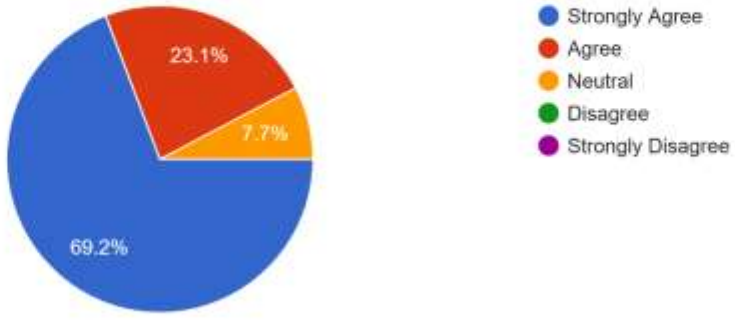
The course helped you to learn about Electronic Communication: electronic mail, biogs, social media.

13 responses



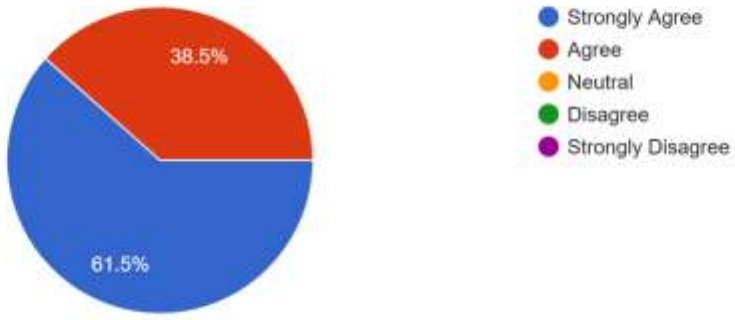
The course helped you to understand Online security and privacy , Threats in the digital world: Data breach and Cyber Attacks.

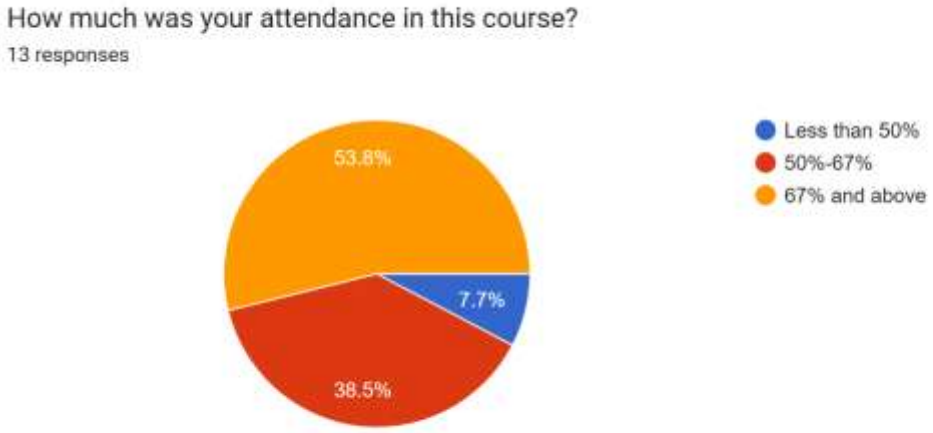
13 responses



The course helped you to learn about Ethical Issues in Digital World.

13 responses





Observations:

From the given responses, it is observed that more than 95% of the students strongly agreed and agreed that they were able to represent and interpret data in tabular and graphical forms. About more than 84% understood and can interpret the measures of central tendency and dispersion. They are equipped with some fundamental concepts which play a critical role in understanding and visualizing real world data.

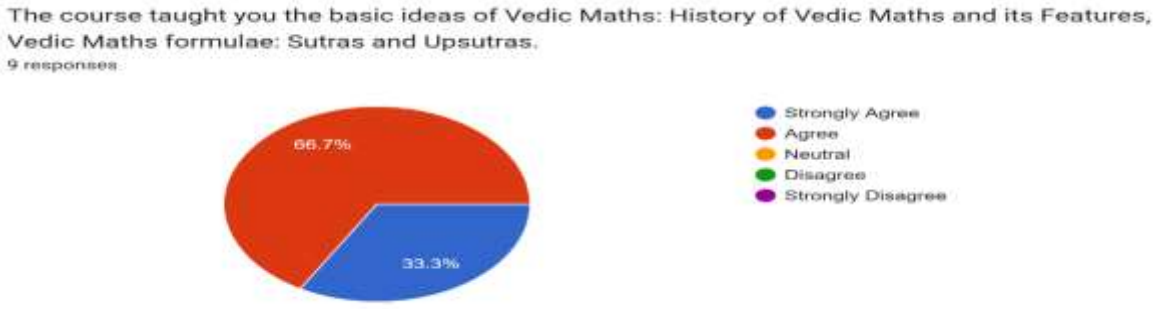
Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practicals would also be done at regular intervals.

All Courses (Vedic Mathematics-I), VAC Semester-III -COURSE EXIT SURVEY FORM 2025-26

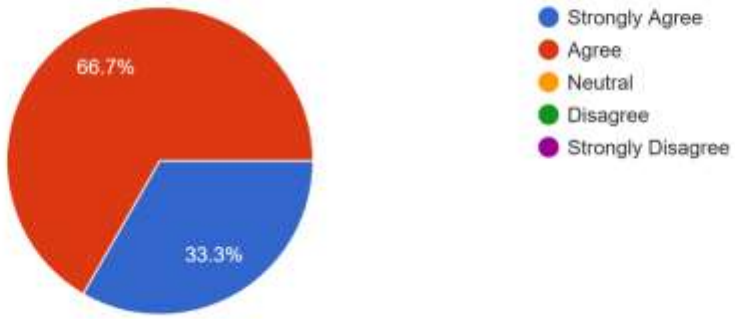
Paper: VAC: Vedic Mathematics I

Paper Code: 6967001020



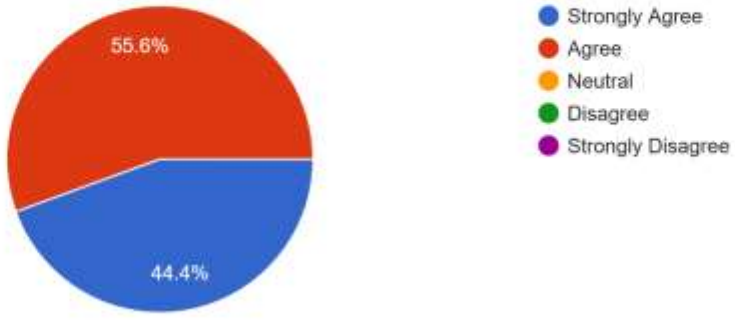
The course helped you to learn the significance of Addition in Vedic Maths: Without carrying, Dot Method.

9 responses



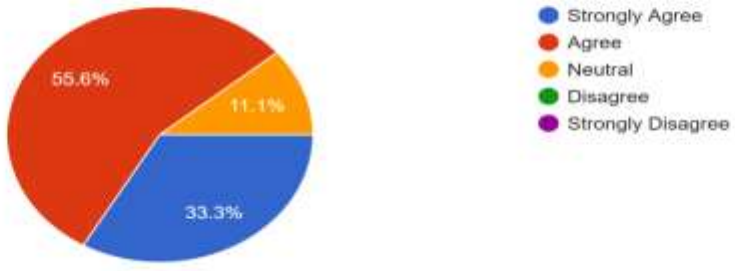
The course helped you to learn about Multiplication in Vedic Maths: Base Method (any two numbers upto three digits).

9 responses



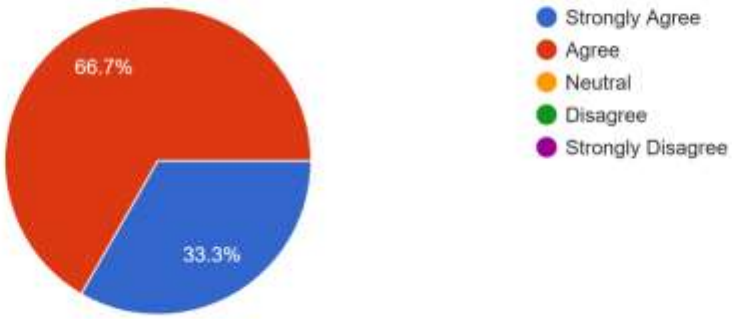
The course helped you to understand Squares of any two-digit numbers: Base method, Square of numbers ending in 5: Ekadhikena Purvena Sutra.

9 responses



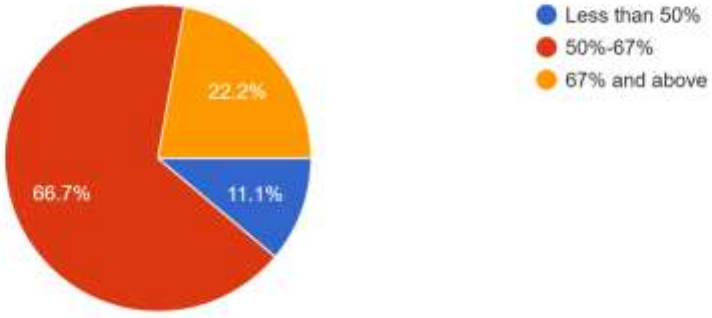
The course helped you to learn Factoring Quadratic equation: Anurupyena, Adyamadyenantyamanty Sutra • Concept of Baudhayana (Pythagoras) Theorem.

9 responses



How much was your attendance in this course?

9 responses



Observations:

From the given responses, it is observed that more than 94% of the students strongly agreed and agreed that they were familiarized with the basic ideas of Vision of Digital India: DigiLocker, E-Hospitals, e-Pathshala, BHIM, e-Kranti, he significance of Public utility portals of Govt. of India such as RTI, Health, Finance, Income Tax filing, Education, about Electronic Communication: electronic mail, biogs, social media, Online security and privacy , Threats in the digital world: Data breach and Cyber Attacks.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments, and Viva would also be done at regular intervals.

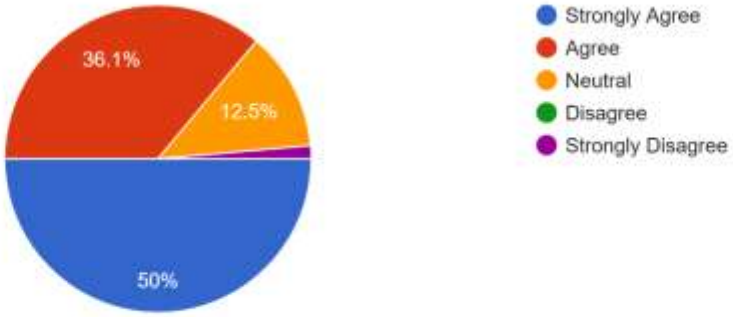
SEMESTER-5

B. Sc. (H) Maths-SEM-V-COURSE EXIT SURVEY FORM 2025-26

Paper Name: Metric Spaces (UPC: 32351501)

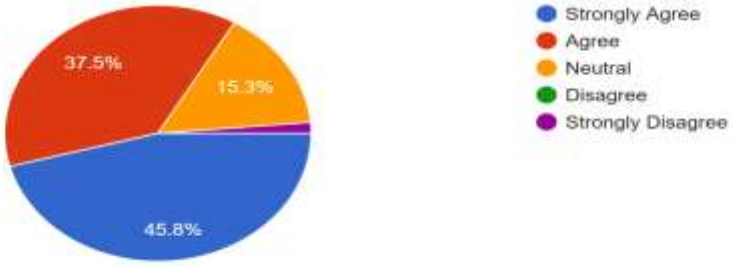
The course taught you the basic ideas of Metric Spaces.

72 responses



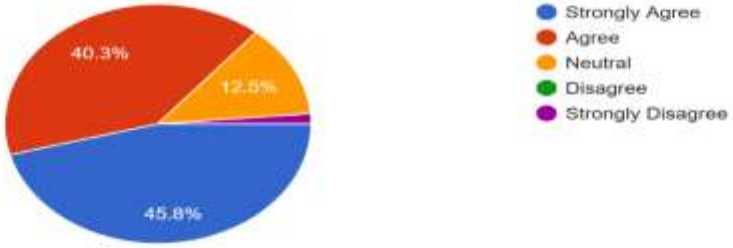
The course helped you to learn the significance of neighborhood in Real analysis through different metrics.

72 responses



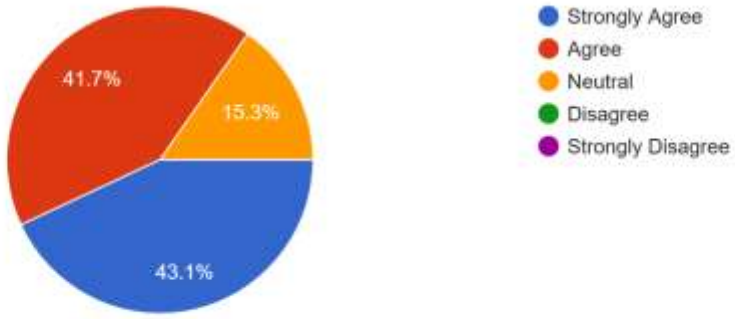
The course helped you to reframe your thinking about many so called definitions like open set, sequences etc.

72 responses



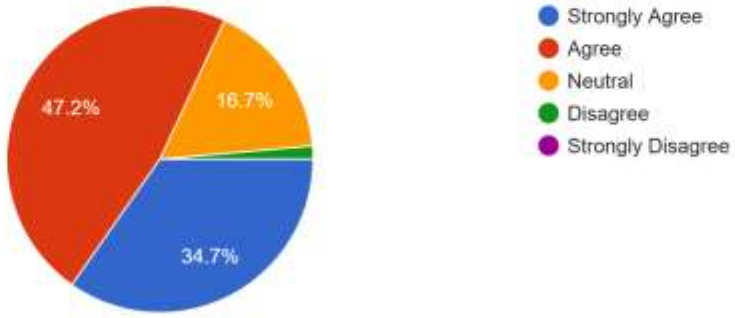
The course helped you to understand the role of Compactness Connectedness.

72 responses



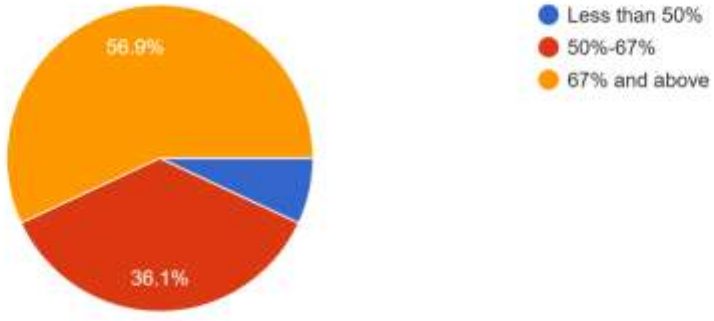
The course helped you to learn another space named as Metric Spaces like vector Spaces with different feeling.

72 responses



How much was your attendance in this course?

72 responses

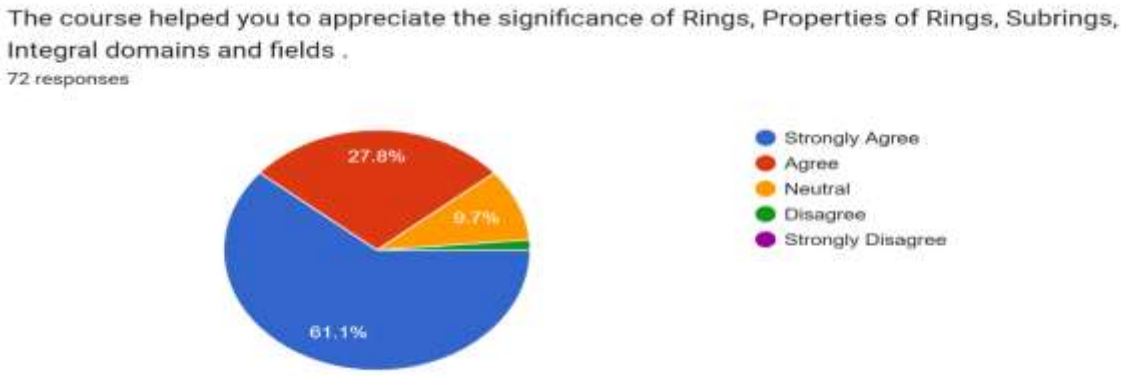


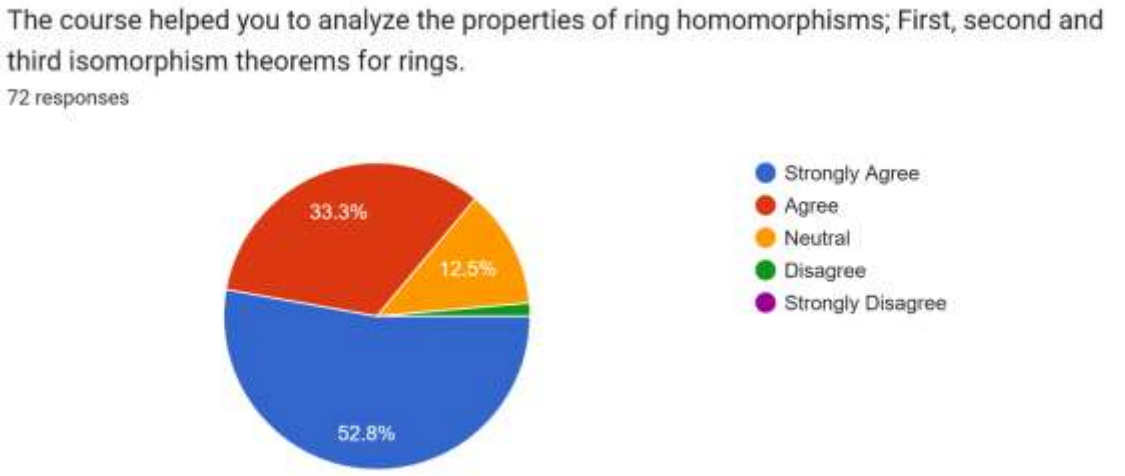
Observations: From the given responses, it is observed that around 86% of students strongly agreed and agreed that they got an understanding of concept of Metric Spaces from start to end. They were able to analyze how use the concept of metric spaces in Real Analysis and how use the different type of metrics (Distance functions) in analysis. The majority of students understood the concept of two important topological properties, namely connectedness and compactness of metric spaces. It is also observed that students had an interest in the paper as 56.9% of students had more than 67% of attendance.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students in order to ensure higher attendance on their part. Assessments would also be done at regular intervals.

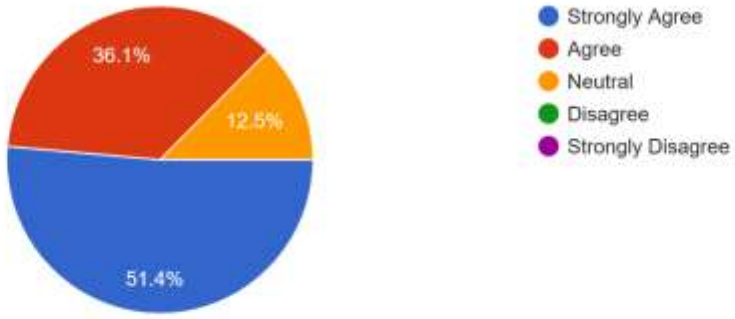
Paper Name: DSC-14- Ring Theory





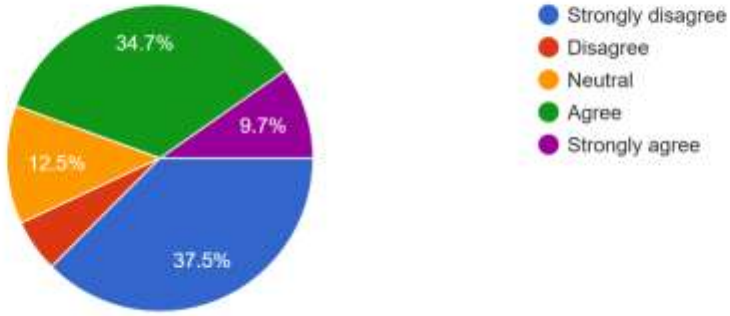
The course helped you to understand Factorization of polynomials, Reducibility tests.

72 responses



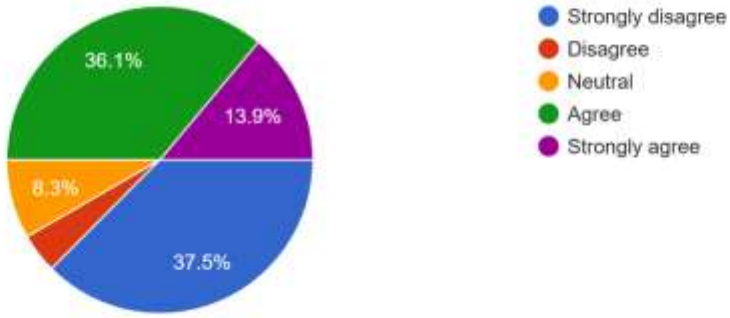
The course helped you to learn Unique factorization theorem.

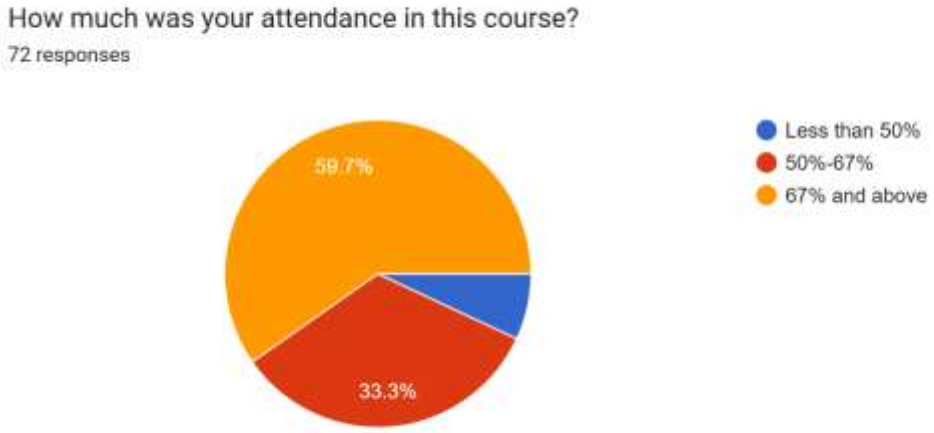
72 responses



The course helped you to understand about the Divisibility in integral domains, Irreducible, Primes, Unique factorization domains, Euclidean domains

72 responses





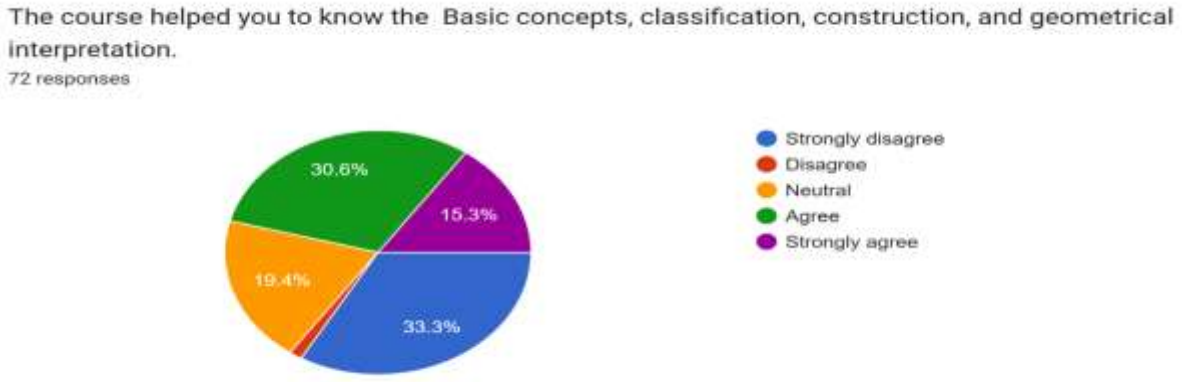
Observations:

From the given responses, it is observed that around 80% - 90% of students strongly agreed and agreed that they got an understanding about automorphisms for constructing new groups from the given group, fundamental theorem of finite abelian groups and became familiar with group actions and conjugacy in Sn. Majority were able to understood Sylow theorems and their applications in checking non simplicity. It is also observed that students had an interest in the paper as 58.1% of students had more than 67% of attendance.

Action Taken:

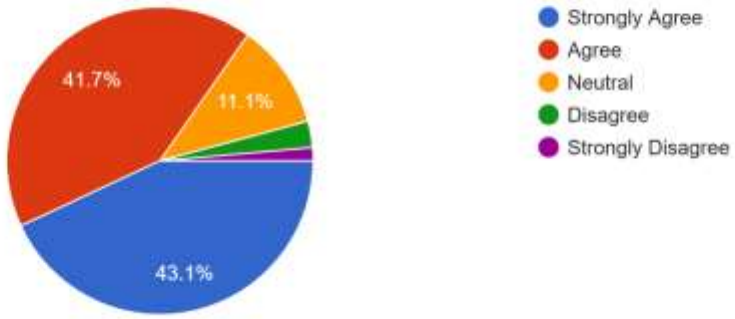
For the moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students in order to ensure higher attendance on their part. Assessments would also be done at regular intervals.

Paper Name: DSC-15: Partial Differential Equation



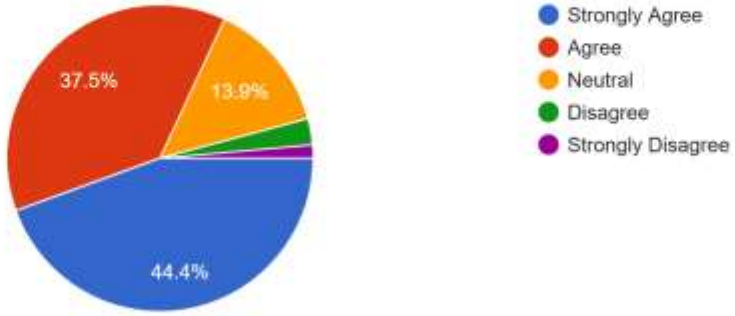
The course helped you to know the Method of separation of variables; Charpit's method for solving non-linear PDEs.

72 responses



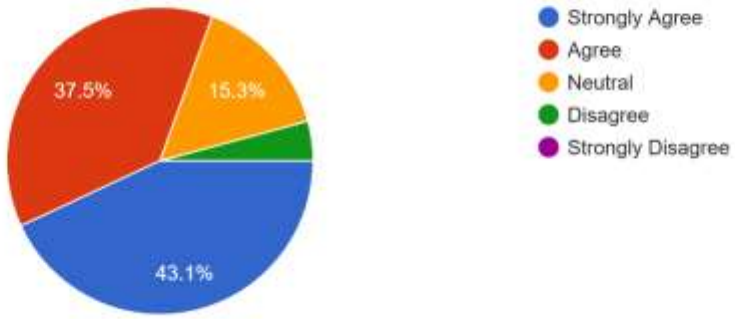
The course helped you to learn Classification (hyperbolic, parabolic, and elliptic), reduction to canonical forms.

72 responses



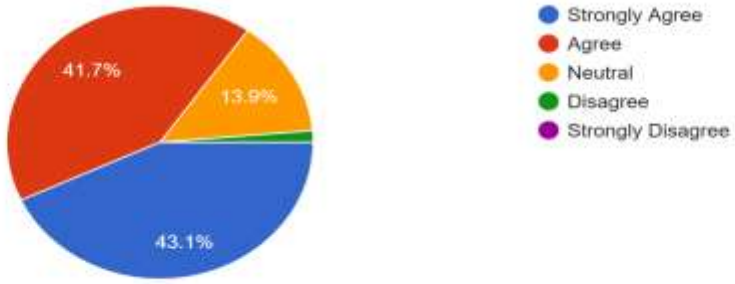
The course helped you to learn about the Mathematical models: The vibrating string, vibrating membrane,.

72 responses



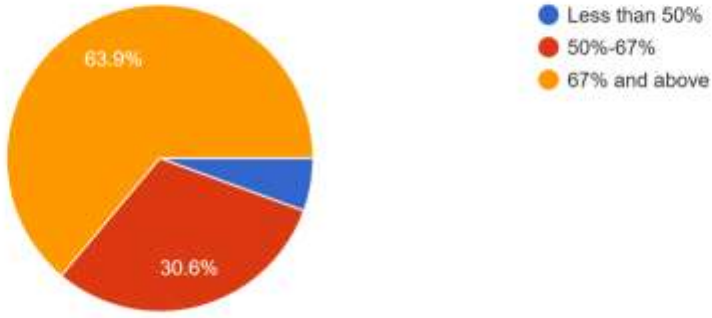
The course helped you to understand the Solutions of homogeneous wave equations with initial boundary-value problems, and non-homogeneous boundary conditions.

72 responses



How much was your attendance in this course?

72 responses



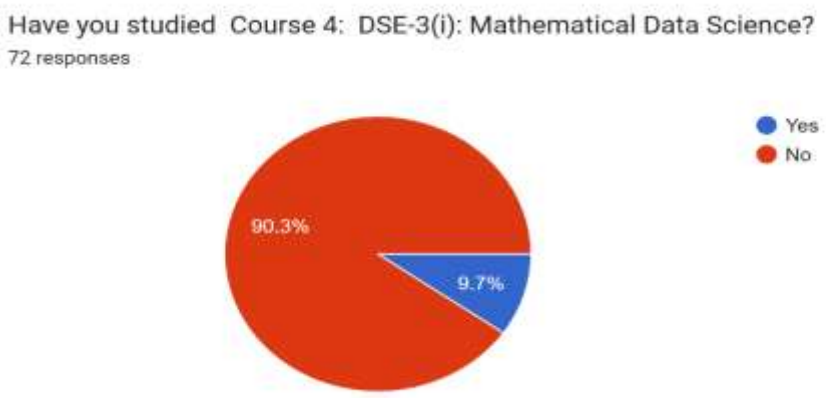
Observations:

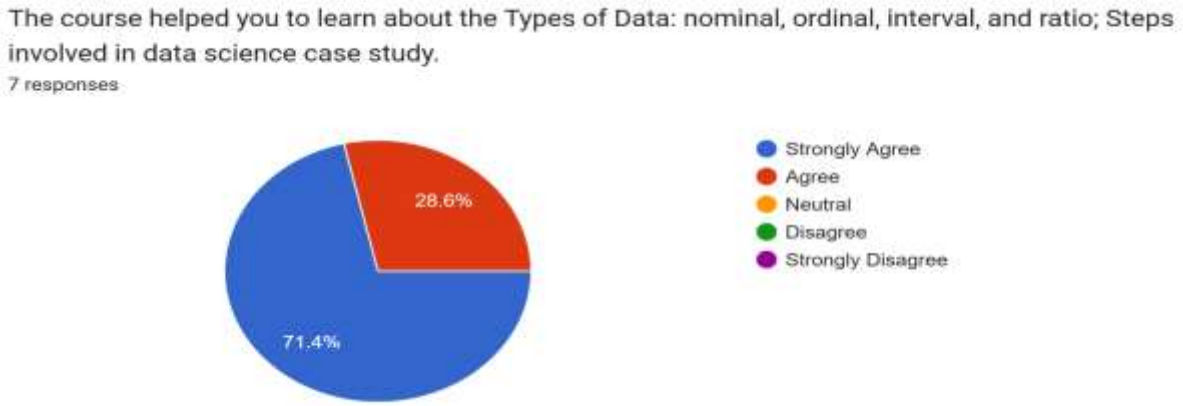
From the given responses, it is observed that more than 40-50% of students who opted for this course strongly agreed and agreed that they got an understanding of the numerical methods to find the zeros of nonlinear functions of a single variable and solution of a system of linear equations, up to a certain given level of precision. They got to know about methods to solve systems of linear equations, such as Gauss−Jacobi, Gauss−Seidel and SOR methods. They were able to understand Interpolation techniques to compute the values for a tabulated function at points not in the table. It is also observed that students had an interest in the paper as more than 63.9% of students had more than 67% of attendance.

Action Taken:

For the moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students in order to ensure higher attendance on their part. Assessments would also be done at regular intervals.

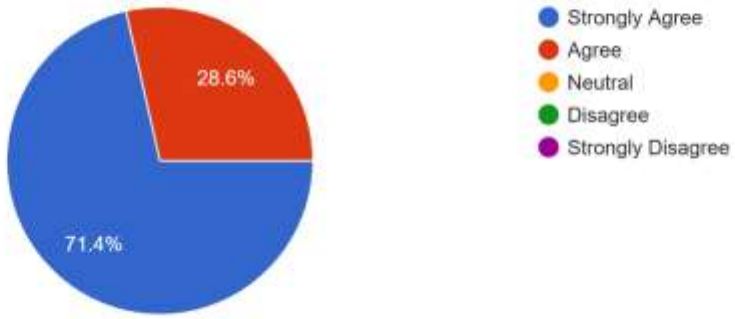
Paper Name: DSE-3(i): Mathematical Data Science





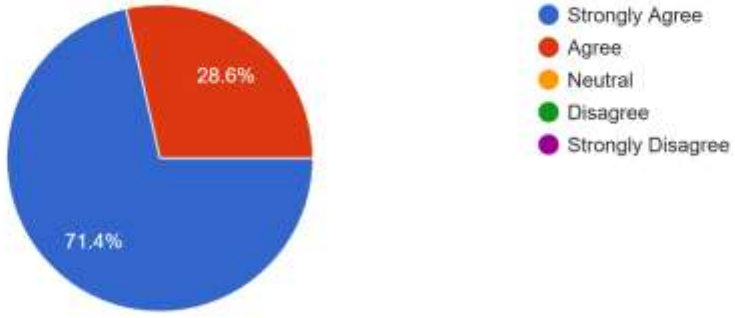
The course helped you to learn about the Structured and unstructured data: streams, frames, series, survey results, scale and source of data.

7 responses



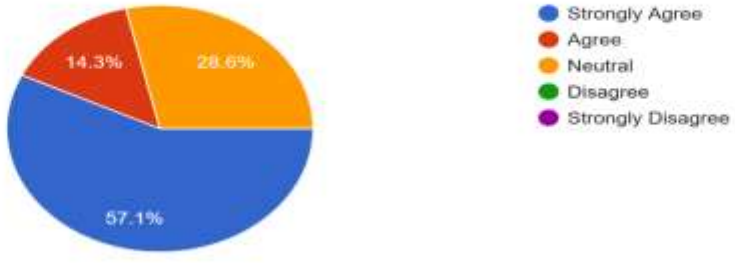
The course helped you to learn about the Types of distances: Manhattan, Hamming, Mahalanobis, Cosine and angular distances, KL divergence

7 responses



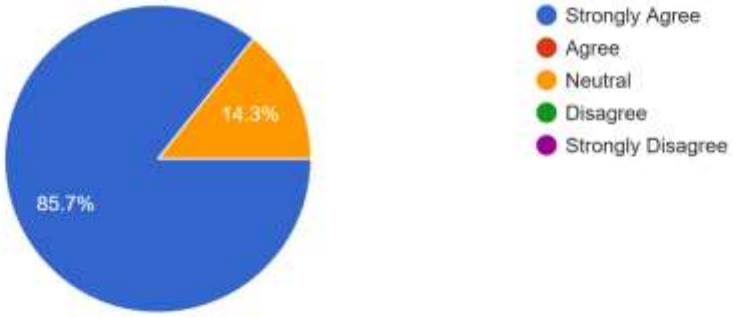
The course helped you to learn about the Problem of dimensionality, Principal component analysis.

7 responses



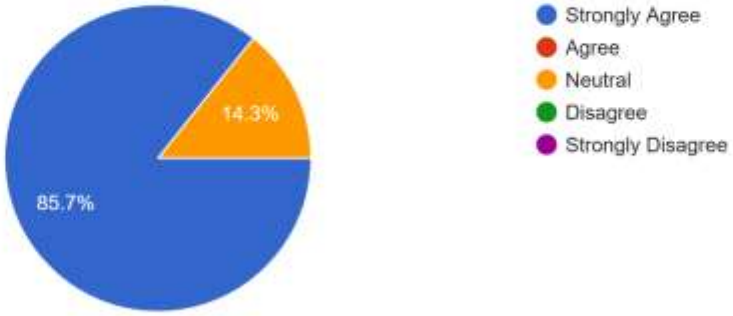
The course helped you to learn about the Eigenvector and eigenvalues relation to SVD, Multidimensional scaling, Linear discriminant analysis.

7 responses



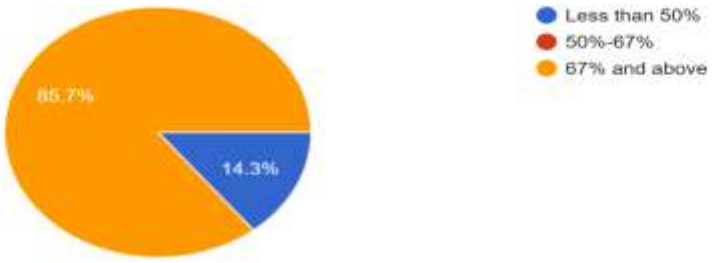
The course taught you to about the Classification: Linear classifiers, Perceptron algorithm, Kernels, Support vector machines, and k-nearest neighbors (k-NN) classifiers.

7 responses



How much was your attendance in this course?

7 responses



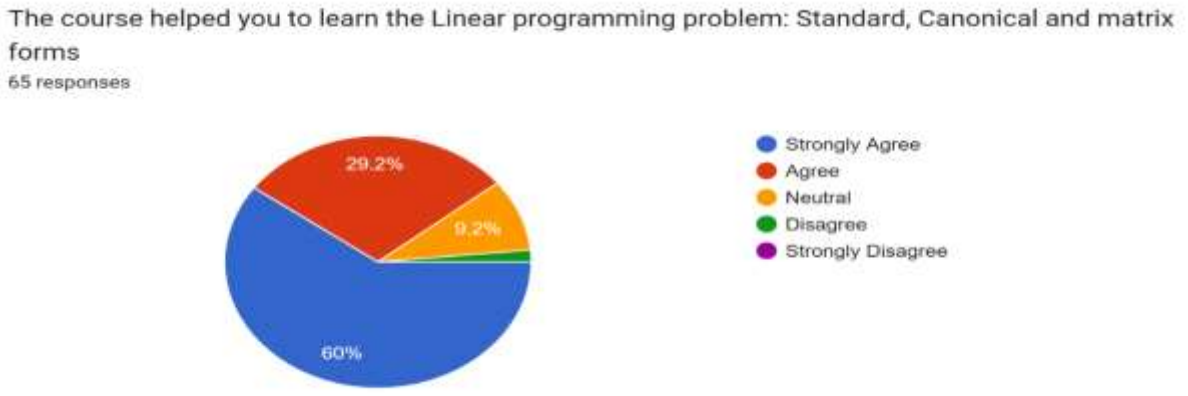
Observations:

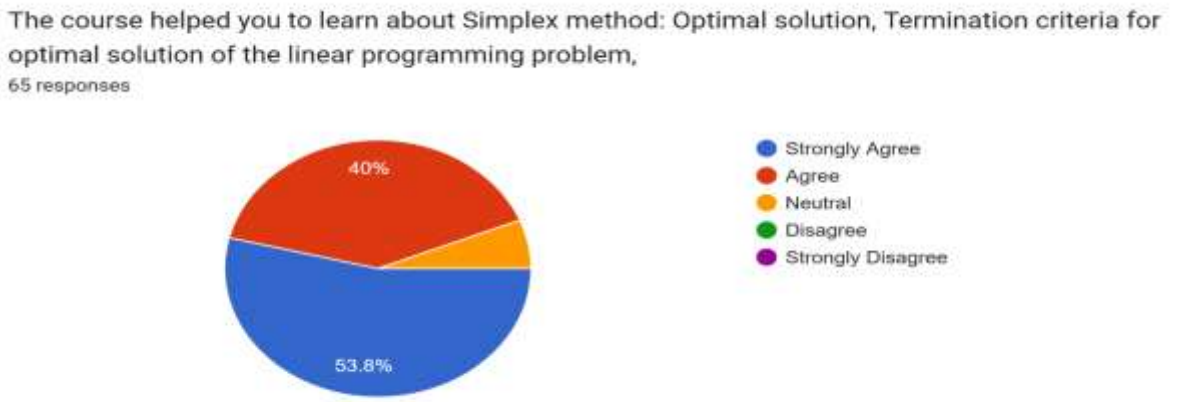
From the given responses, it is observed that 80%-85% of students who opted for this course strongly agreed and agreed that they were able to understand and apply the programming concepts of C++ which is important to mathematical investigation and problem solving. They were able to understand structured data-types in C++ and learned about applications in factorization of an integer and understanding Cartesian geometry and Pythagorean triples. They were able to use mathematical libraries for computational objectives. It is also observed that students had an interest in the paper as more than 85.7% of students had more than 67% of attendance.

Action Taken:

For the moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students in order to ensure higher attendance on their part. Assessments would also be done at regular intervals.

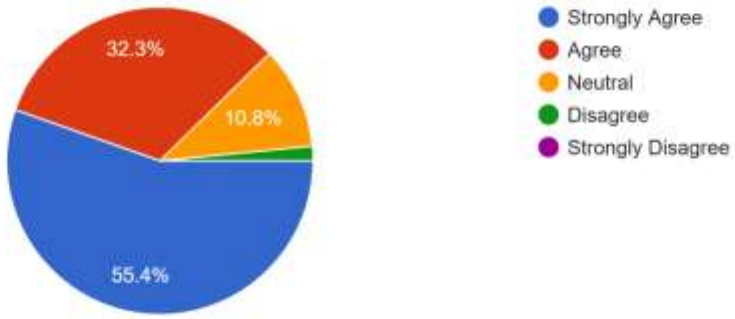
Paper Name: DSE-3(ii): Linear Programming and Applications





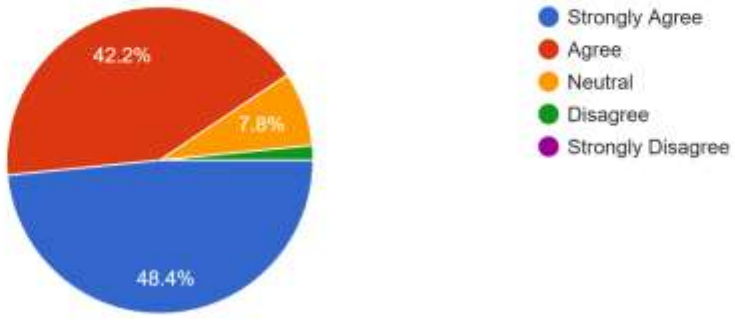
The course helped you to learn about Simplex algorithm and its tableau format; Artificial variables, Two-phase method, Big-M method.

65 responses



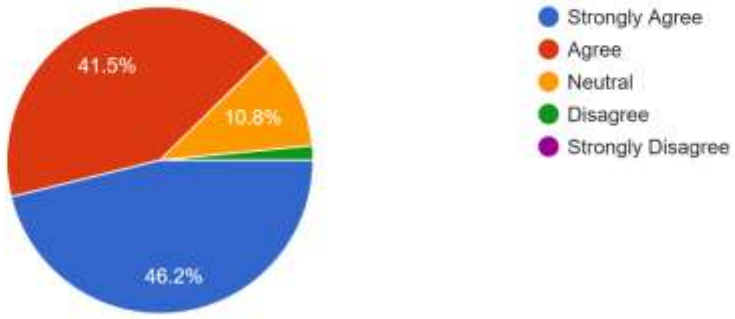
The course helped you to learn about Transportation Problem: Definition and formulation, Northwest-corner, Least- cost.

64 responses



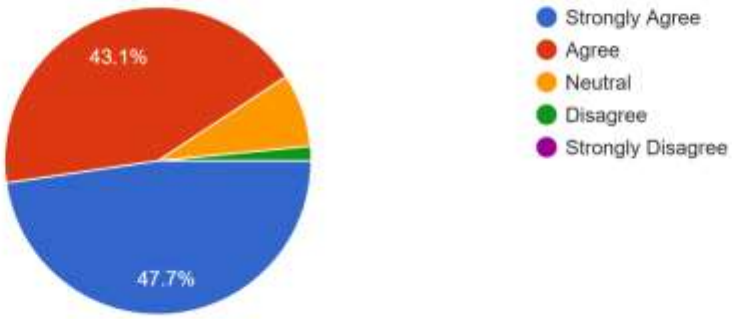
The course helped you to learn about Assignment Problem: Mathematical formulation and Hungarian method of solving.

65 responses



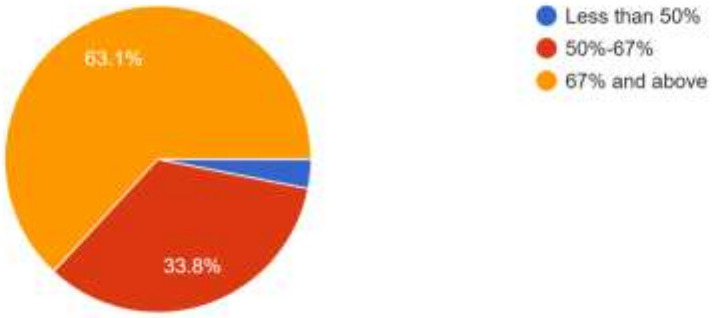
The course taught you to solve Game Theory: Two-person zero sum game, Games with mixed strategies, Formulation of game to primal and dual linear programming problems

65 responses



How much was your attendance in this course?

65 responses



Observations:

From the given responses, it is observed that more than 85%-95% of students who opted for this course strongly agreed and agreed that they learned about the Linear programming problem: Standard, Canonical and matrix forms, Simplex method: Optimal solution, Termination criteria for optimal solution of the linear programming problem, Simplex algorithm and its tableau format; Artificial variables, Two-phase method, Big-M method. It is also observed that students had an interest in the paper as about 59% of students had more than 67% of attendance.

Action Taken:

For the moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures

will be taken to make the subject more engaging and appealing to the students in order to ensure higher attendance on their part. Assessments would also be done at regular intervals.

Major-B. A. (Prog)-SEM-V-COURSE EXIT SURVEY FORM 2025-26

Paper Name: DSC-5: Linear Programming

The course taught you the basic ideas of Standard form of the LPP, graphical method of solution, basic feasible solutions, and convexity.

1 response

The course helped you to learn the significance of the simplex method: Optimality criterion and unboundedness, Simplex tableau.

1 response

The course helped you to reframe your thinking about Definition of transportation problem, finding initial basic feasible solution using Northwest-co...east-cost method, and Vogel approximation method.

1 response

The course helped you to understand transportation problem; Hungarian method of solving assignment problem.

1 response

The course helped you to learn game theory, rectangular games, Mixed strategies, Dominance principle.

1 response

How much was your attendance in this course?

1 response

Observations:

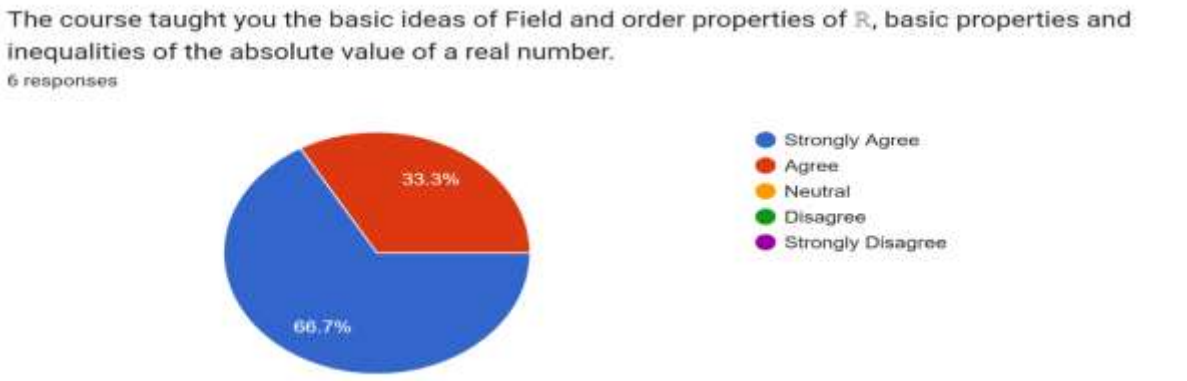
From the given responses, it is observed that 100% of students who opted for this course strongly agreed and agreed that they learned about the Linear programming problem: Standard, Canonical and matrix forms, Simplex method: Optimal solution, Termination criteria for optimal solution of the linear programming problem, Simplex algorithm and its tableau format; Artificial variables, Two-phase method, Big-M method.

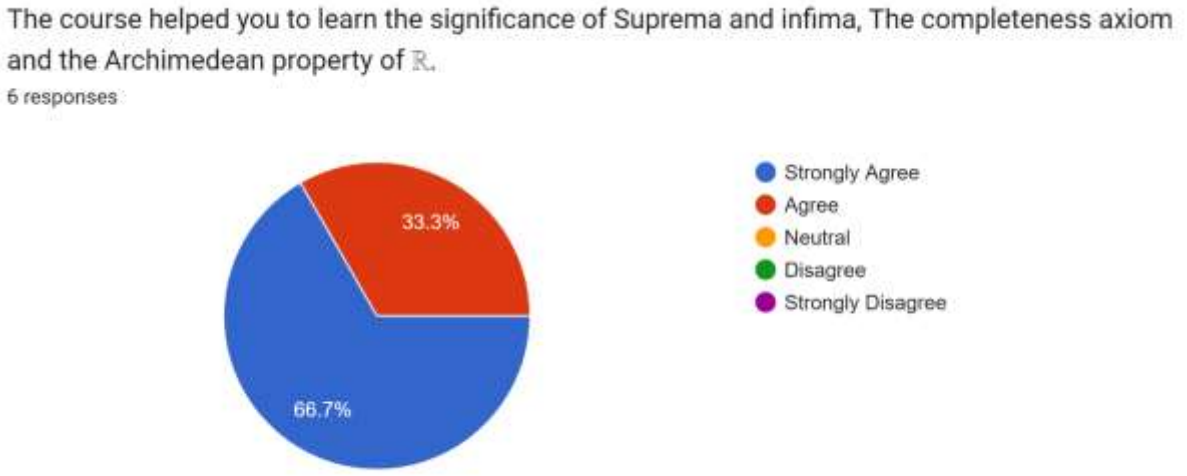
Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

Minor-B. A. (Prog)-SEM-V-COURSE EXIT SURVEY FORM 2025-26

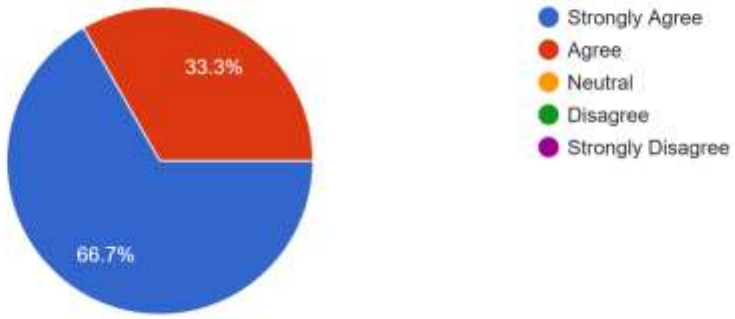
Paper Name: DSC-5: Elements of Real Analysis





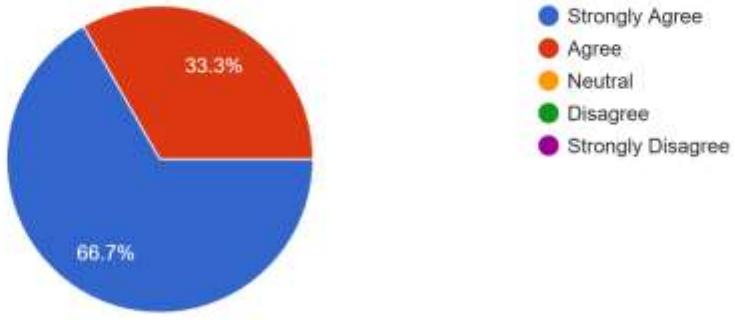
The course helped you to learn about Convergence of a real sequence, Algebra of limits, The squeeze principle and applications.

6 responses



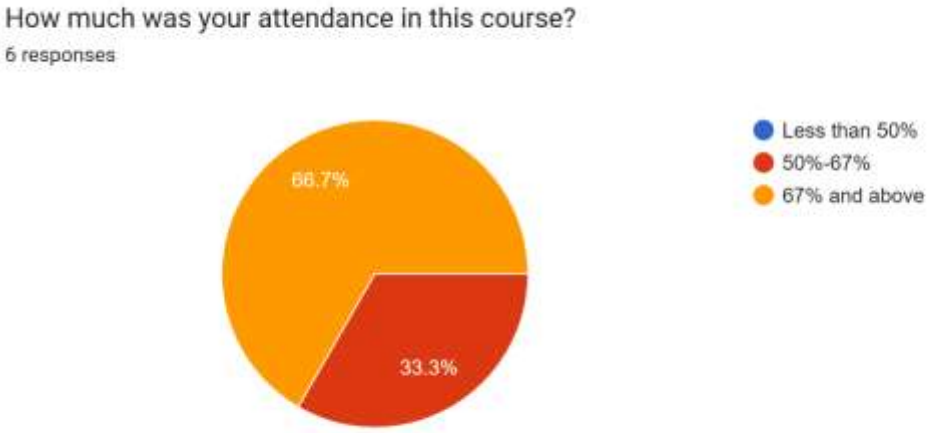
The course helped you to understand Monotone sequences, Monotone convergence theorem and applications, Cauchy sequences, Cauchy criterion for convergence and applications.

6 responses



The course helped you to learn Tests for convergence of positive term series, Applications of the integral test, Comparison tests, D'Alembert's ratio test, Cauchy's nth root test, Raabe's test.

6 responses



Observations:

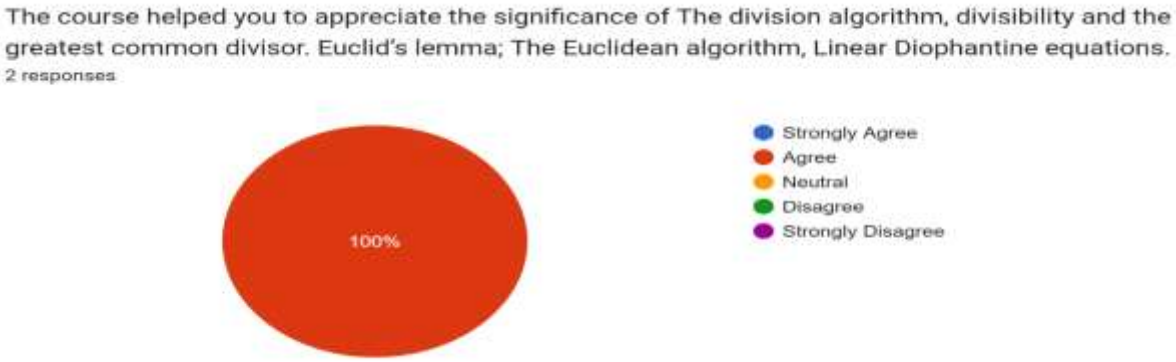
From the given responses, it is observed that 100% students agreed that they learned to the basic ideas of Field and order properties of $\mathbb{R}$, basic properties and inequalities of the absolute value of a real number, the significance of Suprema and infima, The completeness axiom and the Archimedean property of $\mathbb{R}$, Convergence of a real sequence, Algebra of limits, The squeeze principle and applications, Monotone sequences, Monotone convergence theorem and applications, Cauchy sequences, Cauchy criterion for convergence and applications.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

Course Exit Survey For B.A.(Prog.-DSE) III Year (Semester 5) 2025-26

Course: DSE-1(ii): Elements of Number Theory



The course helped you to analyze Euclid theorem and the Goldbach conjecture; The Fibonacci sequence and its nature.

2 responses

The course helped you to understand Linear congruences and the Chinese remainder theorem, System of linear congruences in two variables.

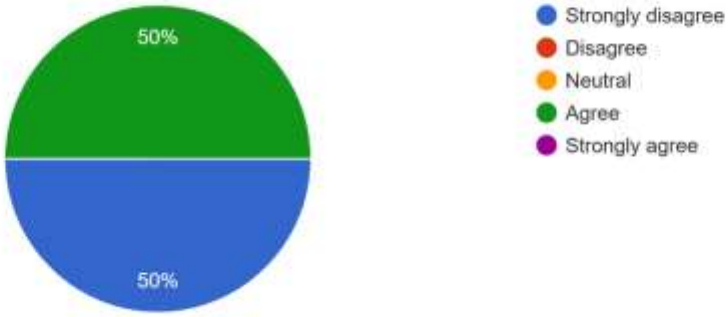
2 responses

The course helped you to learn The greatest integer function; Euler's Phi-function and its properties.

2 responses

The course helped you to understand about Basics of cryptography, Hill's cipher, Public-key cryptosystems and RSA encryption and decryption technique.

2 responses



How much was your attendance in this course?

2 responses

Observations:

From the given responses, it is observed that 100% students agreed that they learned to the significance of The division algorithm, divisibility and the greatest common divisor. Euclid's lemma; The Euclidean algorithm, Linear Diophantine equations, Euclid theorem and the Goldbach conjecture; The Fibonacci sequence and its nature, Linear congruences and the Chinese remainder theorem, System of linear congruences in two variables.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

GENERIC ELECTIVES (GE) Semester-V -COURSE EXIT SURVEY FORM 2025-26

Paper Name: GE-5(iii): Elementary Mathematical Analysis

The course taught you the basic ideas of continuous function.

1 response

The course helped you to learn the significance of Reimann Integration.

1 response

The course helped you to learn about Uniform Convergence.

1 response

The course helped you to understand sequence and series of functions.

1 response

The course helped you to learn fundamental theorem of calculus.

1 response

How much was your attendance in this course?

1 response

Observations:

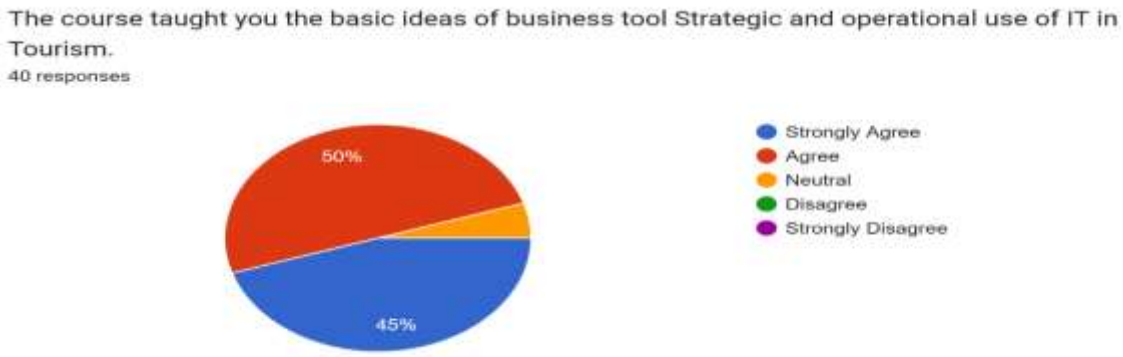
From the given responses, it is observed that 100% students agreed that they learned to the basic ideas of continuous function, he significance of Reimann Integration, Uniform Convergence, sequence and series of functions, fundamental theorem of calculus.

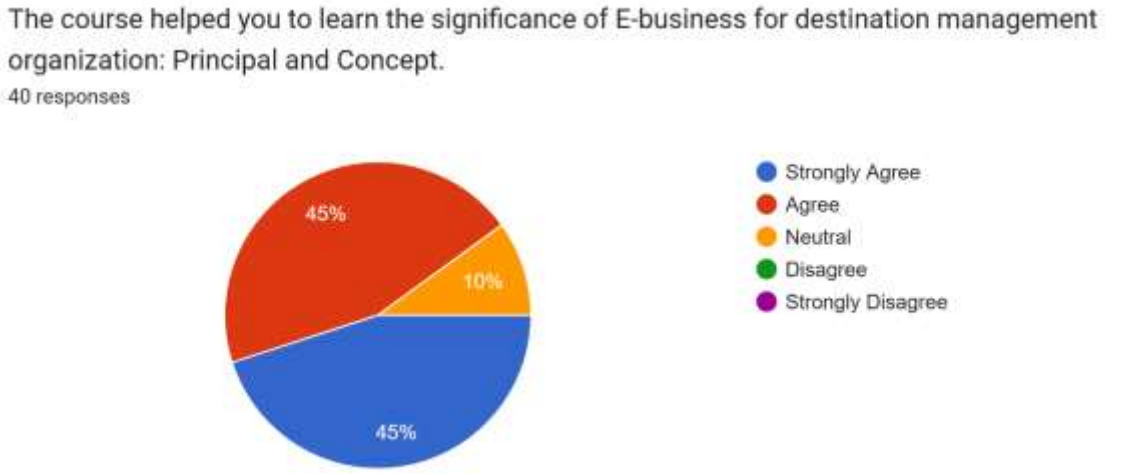
Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

All Courses-SEC(E-Tourism) Semester-5 -COURSE EXIT SURVEY FORM 2025-26

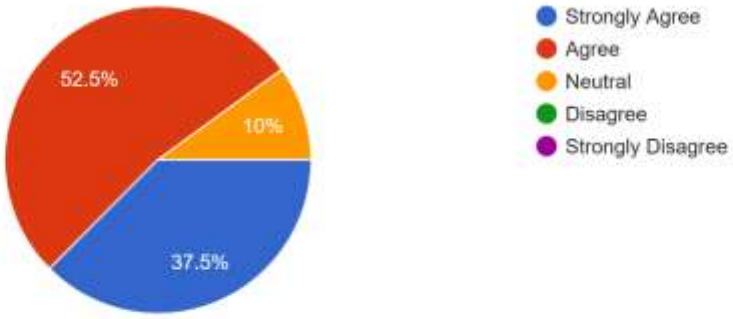
Paper Name: SEC: E-Tourism





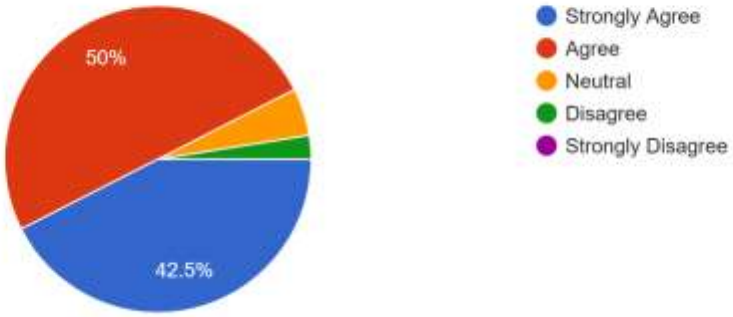
The course helped you to learn about social media marketing in Tourism..

40 responses



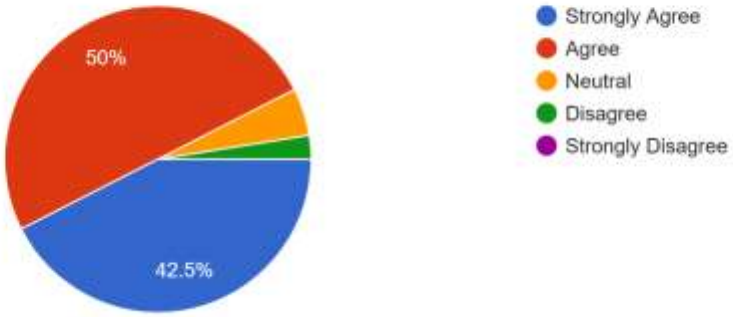
The course helped you to understand about usage of Artificial Intelligence.

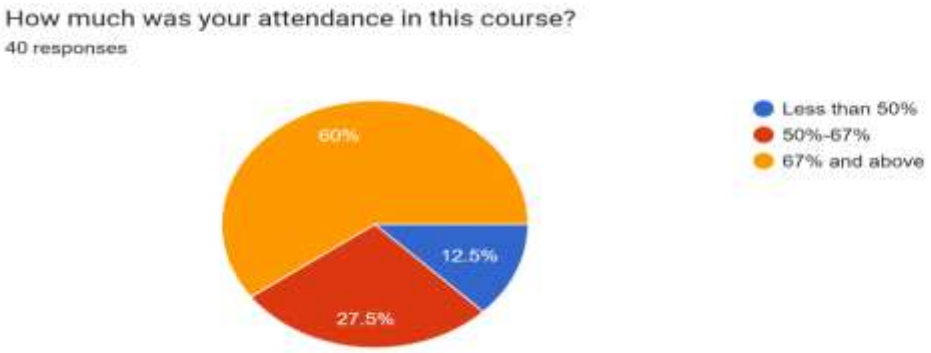
40 responses



The course helped you to understand about usage of Artificial Intelligence.

40 responses





Observations:

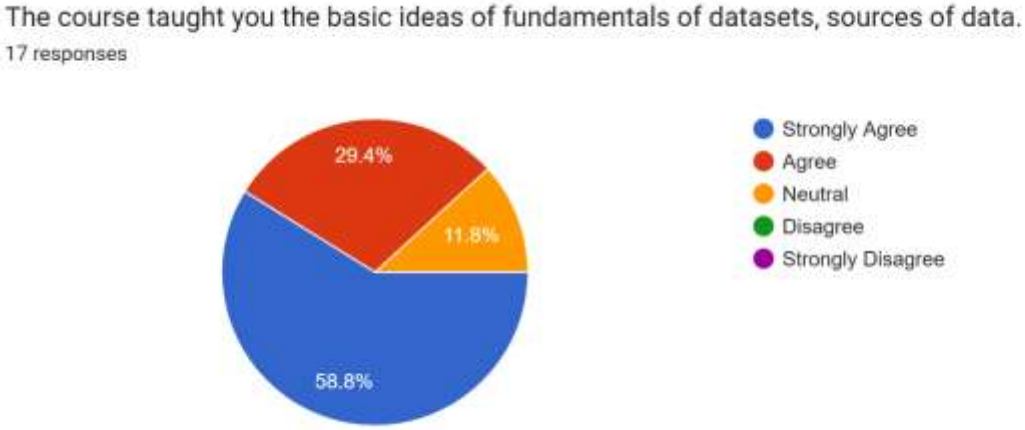
From the given responses, it is observed that 92% students agreed that they learned to E-tourism, stages of ICT revolution, ICTS and new business tools, Strategic and Operational use of IT in Tourism, The Internet and tourism, Travel trade intermediaries-Features of a travel trade website, implementing a travel trade website, online travel intermediaries, E-business for Destination Management Organizations: Principles and concepts – Positioning, Social Media Marketing in Tourism - Facebook, Twitter, YouTube, WhatsApp - Travel Blogs, Artificial Intelligence- Virtual Reality - Challenges for conventional business models and Competitive strategies. It is also observed that students had an interest in the paper as 44.4% of students had more than 67% of attendance.

Action Taken:

For moderate responses, topics will be discussed more with the students in tutorials. For the weak students, special classes will be held to discuss important questions with them. Measures will be taken to make the subject more engaging and appealing to the students to ensure higher attendance. Assessments would also be done at regular intervals.

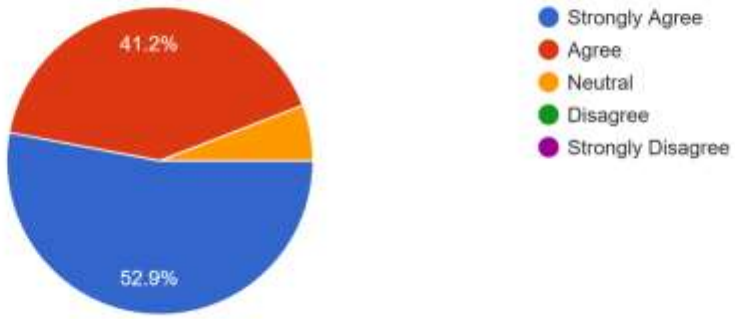
All Courses-SEC (IT Skills and Data Analysis-1)

Paper Name: SEC: IT Skills and Data Analysis-I UPC: 3126000001



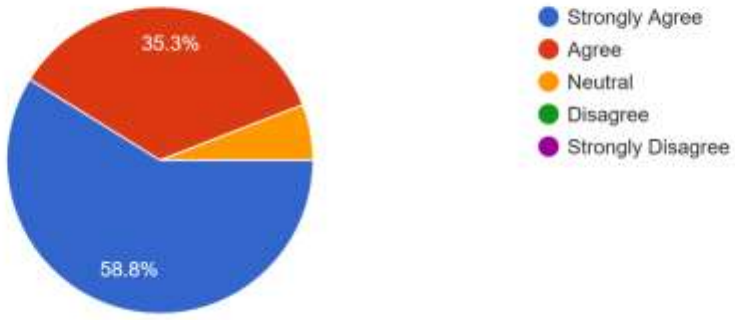
The course helped you to learn the significance of frequency distributions and graphical representations of data.

17 responses



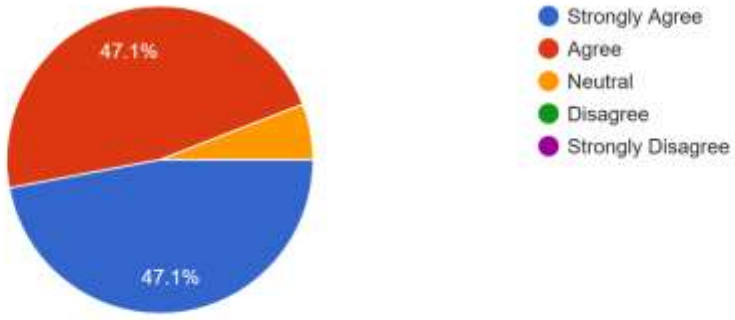
The course helped you to learn about Measures of central tendency: mean, median, mode.

17 responses



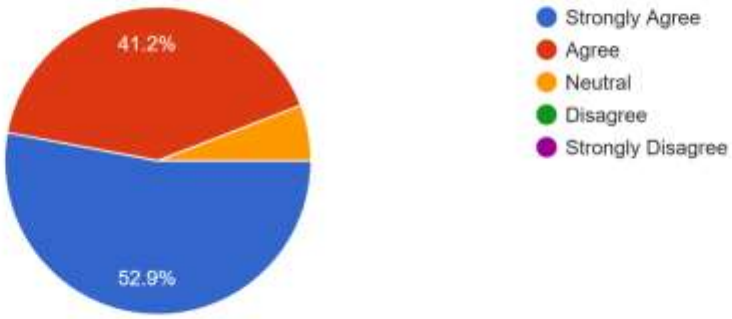
The course helped you to understand Measures of dispersion: range, variance, standard deviation.

17 responses



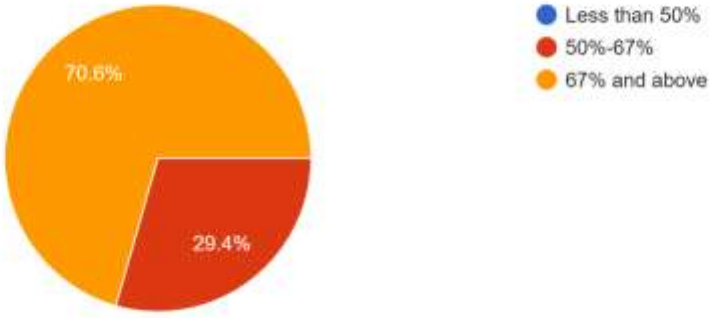
The course helped you to learn Visualize the measures of central tendency and dispersion through frequency curve and histogram.

17 responses



How much was your attendance in this course?

17 responses



Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able to represent and interpret data in tabular and graphical forms. About more than 84% understood and can interpret the measures of central tendency and dispersion. They are equipped with some fundamental concepts which play a critical role in understanding and visualizing real world data.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

SEMESTER-7

B. Sc. (H) Maths-SEM-VII-COURSE EXIT SURVEY FORM 2025-26

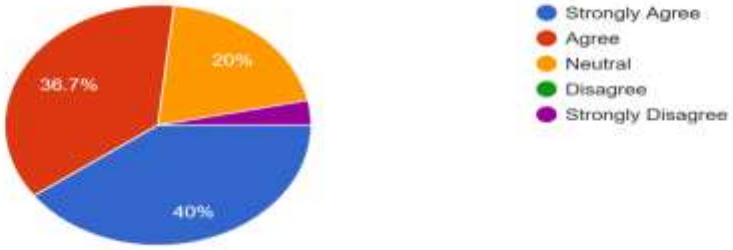
Course 1: DSC-19: Linear Analysis

The course taught you the basic ideas of Normed spaces, Banach spaces, Properties of normed spaces, Finite dimensional normed spaces and subspaces.

30 responses

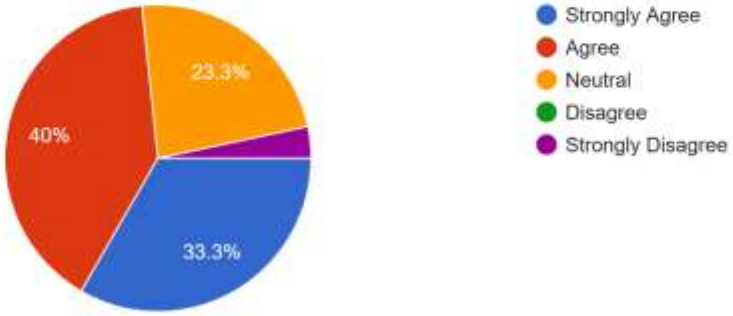
The course helped you to learn the significance of Linear functionals, Linear operators and functionals on finite dimensional spaces.

30 responses



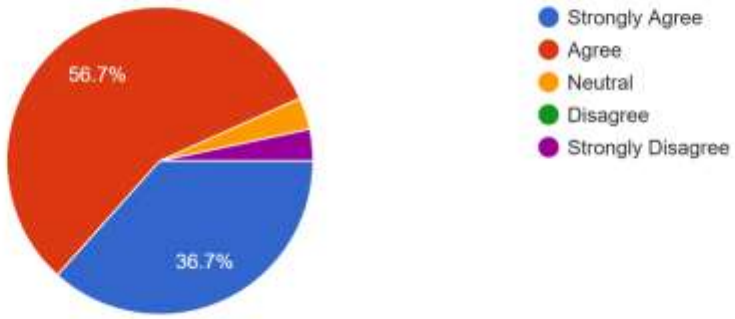
The course helped you to reframe your thinking about Orthonormal sets and sequences, Bessel inequality; Total orthonormal sets and sequences.

30 responses



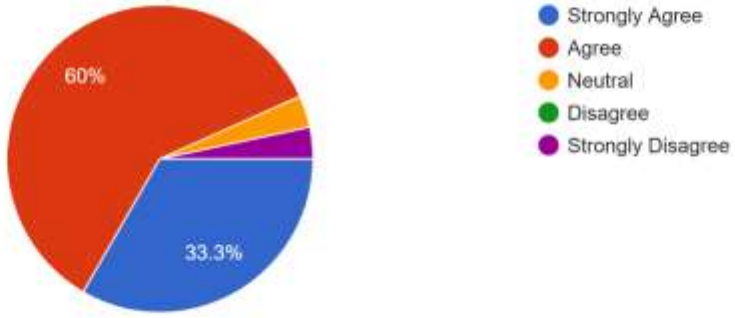
The course helped you to understand the role of Hahn Banach theorems for real and complex vector spaces.

30 responses



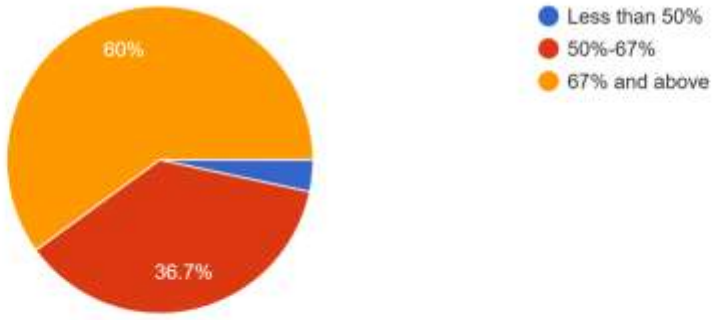
The course helped you to learn another term Uniform boundedness theorem, Open mapping theorem.

30 responses



How much was your attendance in this course?

30 responses



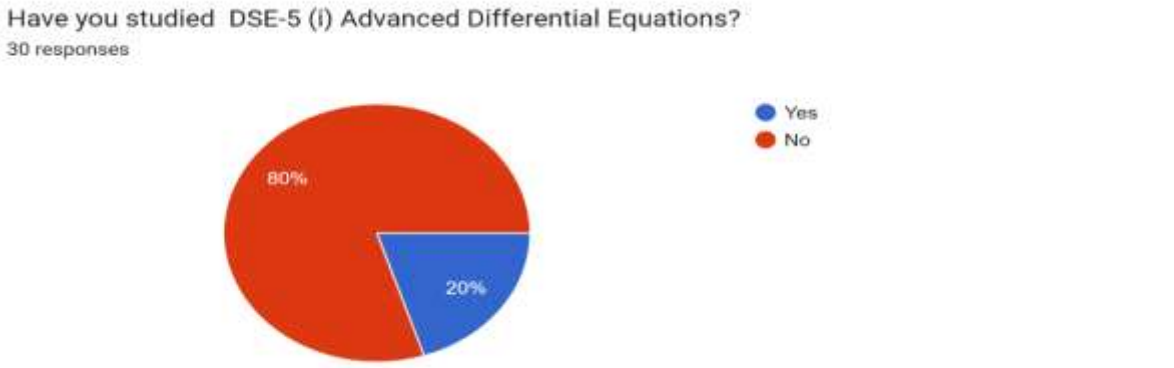
Observations:

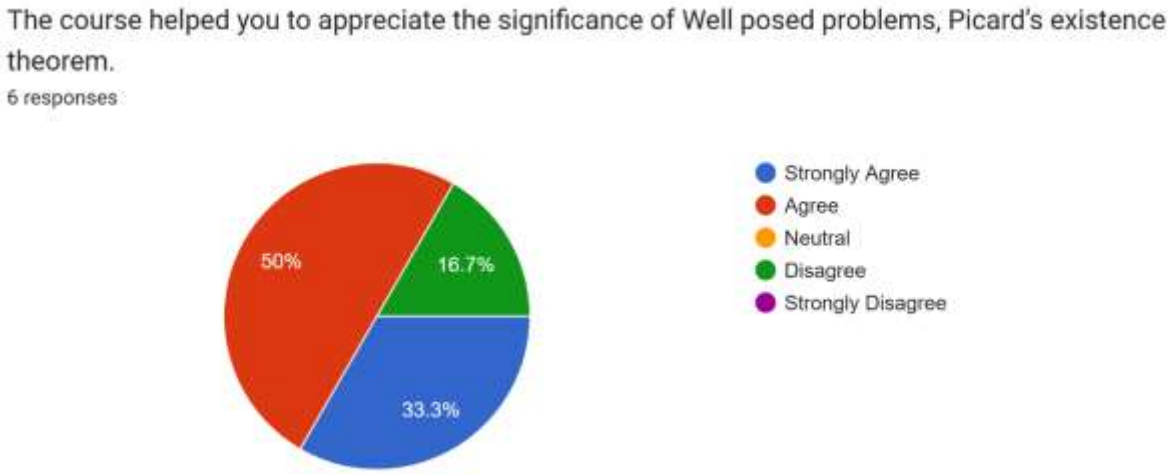
From the given responses, it is observed that more than 75-85% of the students strongly agreed and agreed that they were able to represent and interpret data in tabular and graphical forms. About more than 84% understood and can interpret the measures of central tendency and dispersion. They are equipped with some fundamental concepts which play a critical role in understanding and visualizing real world data.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

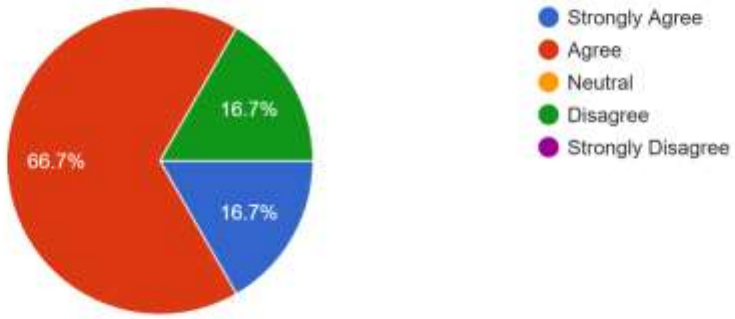
Course 2: DSE-5 (i)Advanced Differential Equations





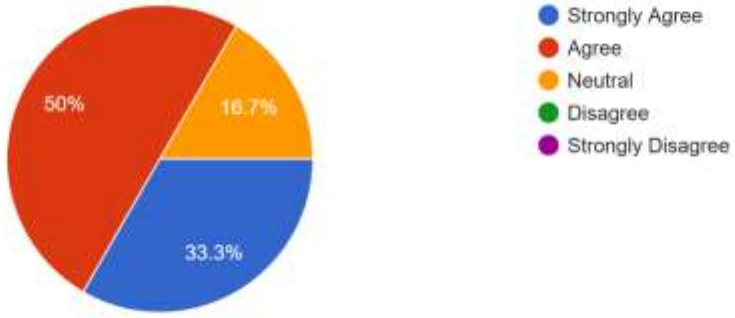
The course helped you to analyze the Homogeneous linear systems, Nonhomogeneous linear systems, Linear systems with constant coefficients.

6 responses



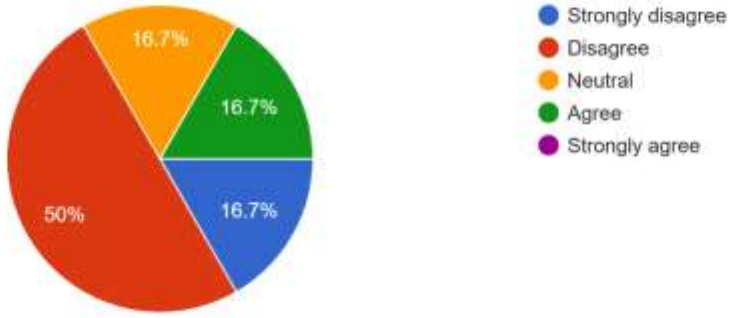
The course helped you to understand Stability of autonomous system of differential equations, Critical point of an autonomous system.

6 responses



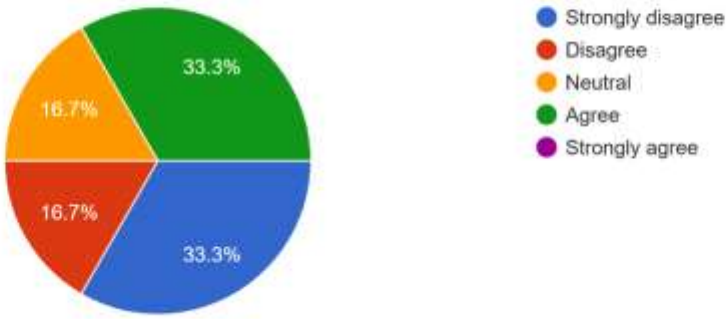
The course helped you to learn Green's functions and their construction; Sturm-Liouville systems, Eigenvalues and Eigenfunctions.

6 responses



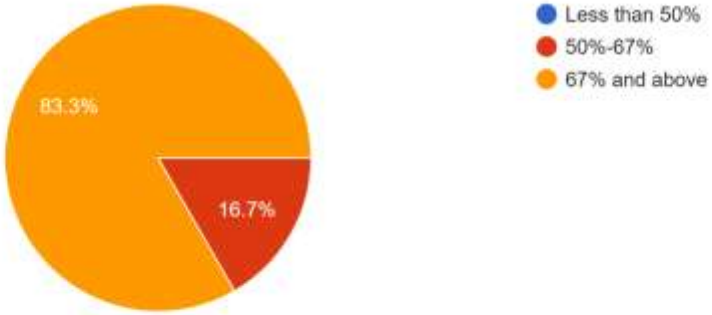
The course helped you to understand about the Laplace's equation, Boundary value problems, Maximum and minimum principles.

6 responses



How much was your attendance in this course?

6 responses



Observations:

From the given responses, it is observed that more than 80-90% of the students strongly agreed and agreed that they were able to the significance of Well posed problems, Picard's existence theorem, the Homogeneous linear systems, Nonhomogeneous linear systems, Linear systems with constant coefficients, Stability of autonomous system of differential equations, Critical point of an autonomous System, Green's functions and their construction; Sturm-Liouville systems, Eigenvalues and Eigenfunctions.

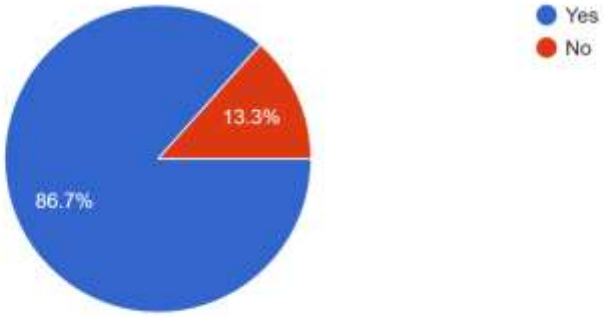
Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

Course 4: DSE-5 (v) Optimization

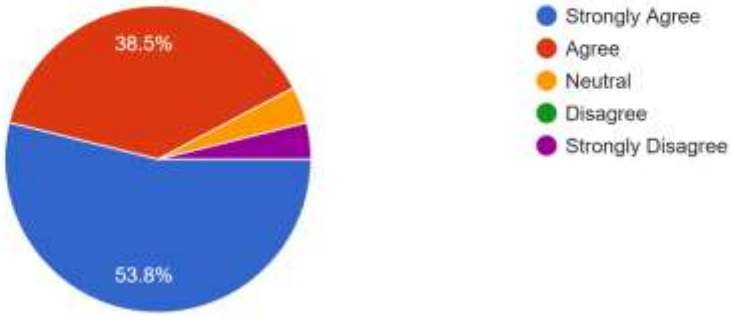
Have you studied DSE-5 (v) Optimization?

30 responses



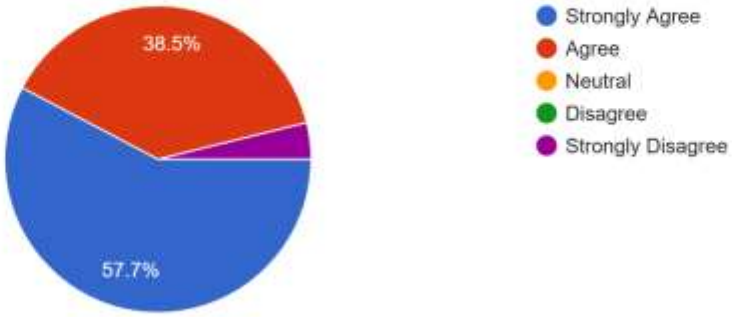
The course helped you to learn about the Stochastic resource allocation, Convex sets, Convex functions.

26 responses



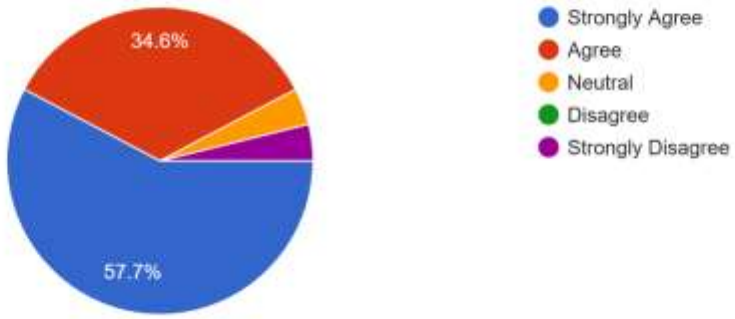
The course helped you to learn about the Twice differentiable convex function, Minima of convex function, Quasiconvex functions, Psuedoconvex functions.

26 responses



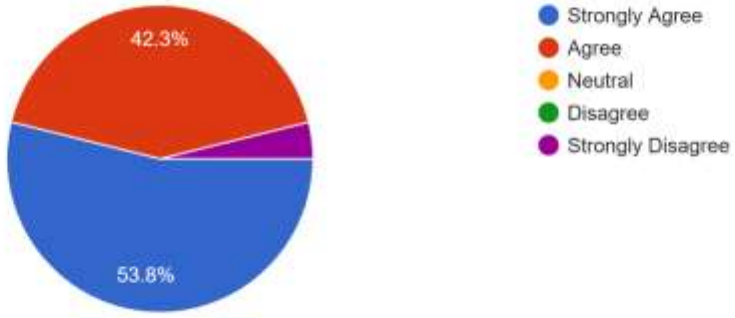
The course helped you to learn about the Karush-Kuhn-Tucker (KKT) necessary optimality conditions.

26 responses



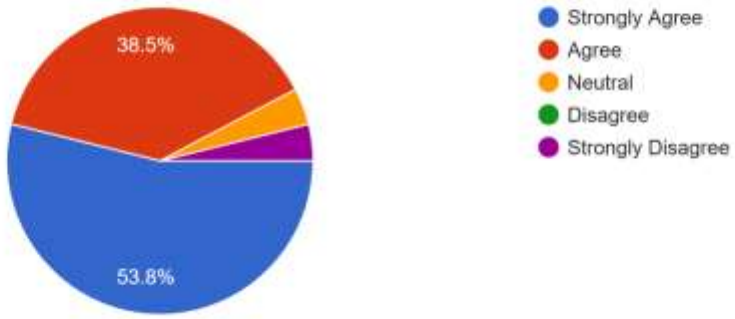
The course helped you to learn about Lagrangian dual problem, Weak duality theorem, Duality gap, Strong duality theorem.

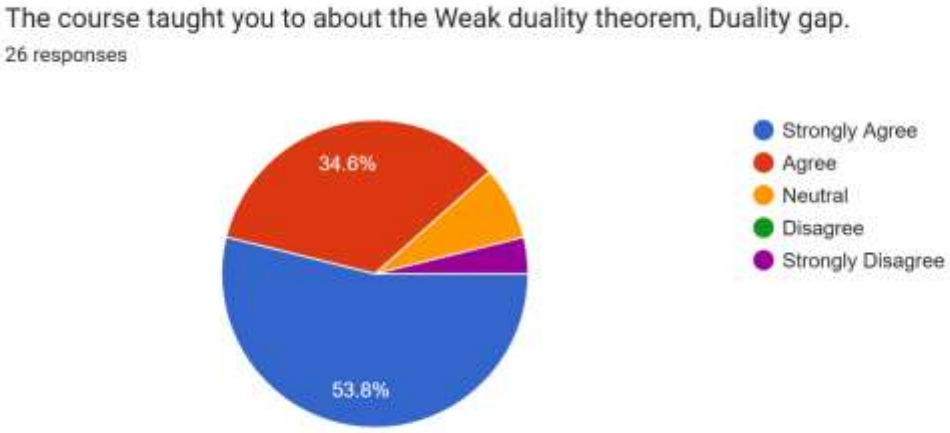
26 responses

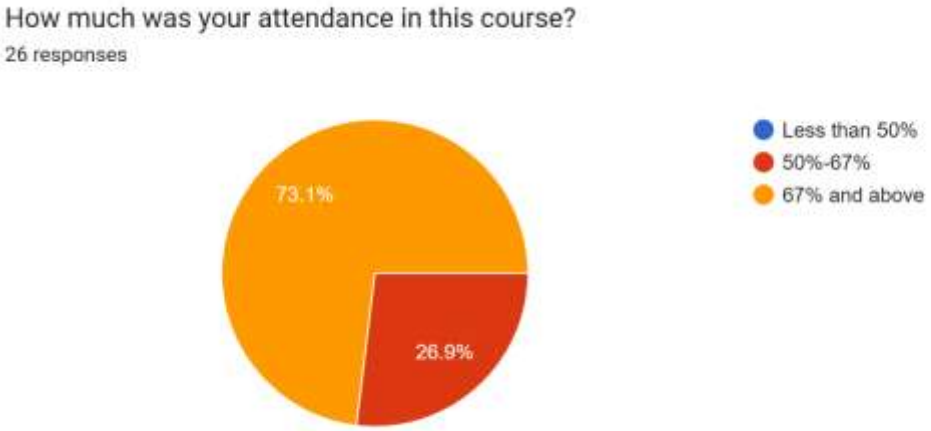


The course helped you to learn about the Global convergence, Steepest descent method, Newton's method, Wolfe's method for quadratic programming problem.

26 responses







Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able about the Stochastic resource allocation, Convex sets, Convex functions, the Twice differentiable convex function, Minima of convex function, Quasiconvex functions, Psuedoconvex functions, the Karush-Kuhn-Tucker (KKT) necessary optimality conditions.

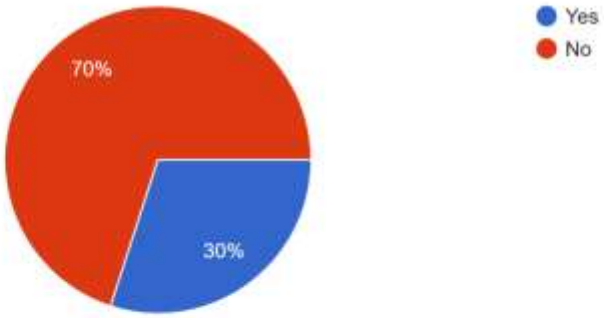
Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

Course 5: DSE-5 (vi) Research Methodology

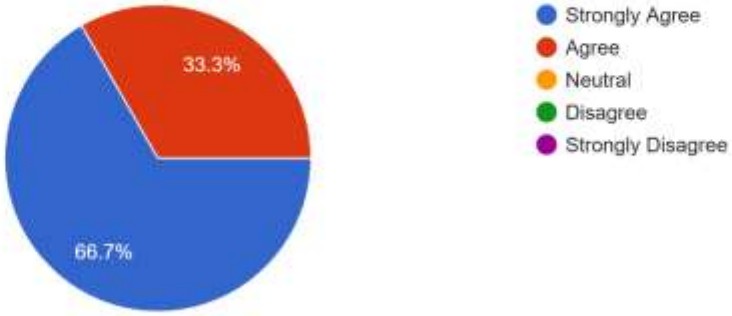
Have you studied Course 5: DSE-5 (vi) Research Methodology?

30 responses



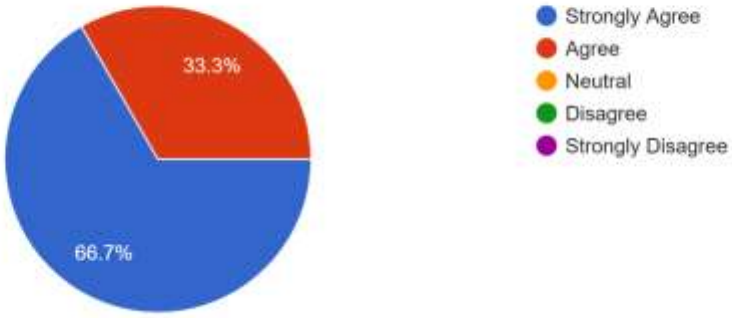
The course helped you to learn the Goals of mathematical writing, general principles of mathematical writing, avoiding errors.

9 responses



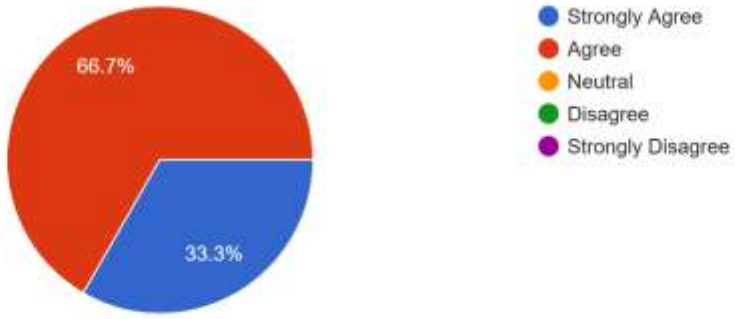
The course helped you to learn about Research Criteria, Format of a research article.

9 responses



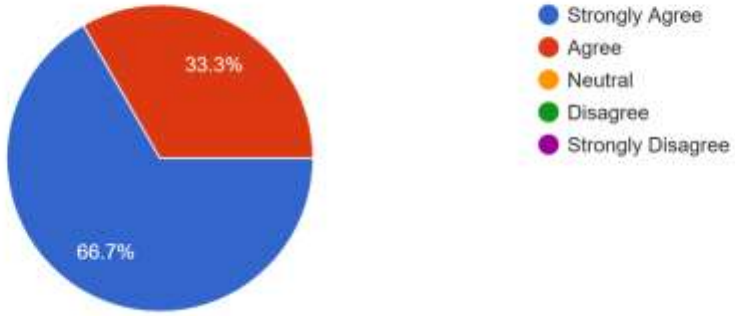
The course helped you to learn about Preparing a mathematical talk, Oral presentation.

9 responses



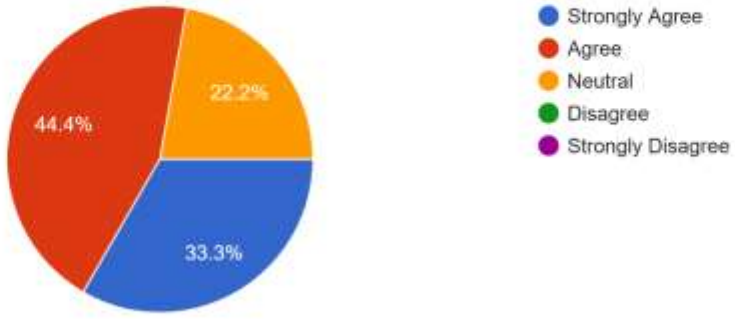
The course helped you to learn about LaTeX, PSTricks and Beamer; Poster presentation.

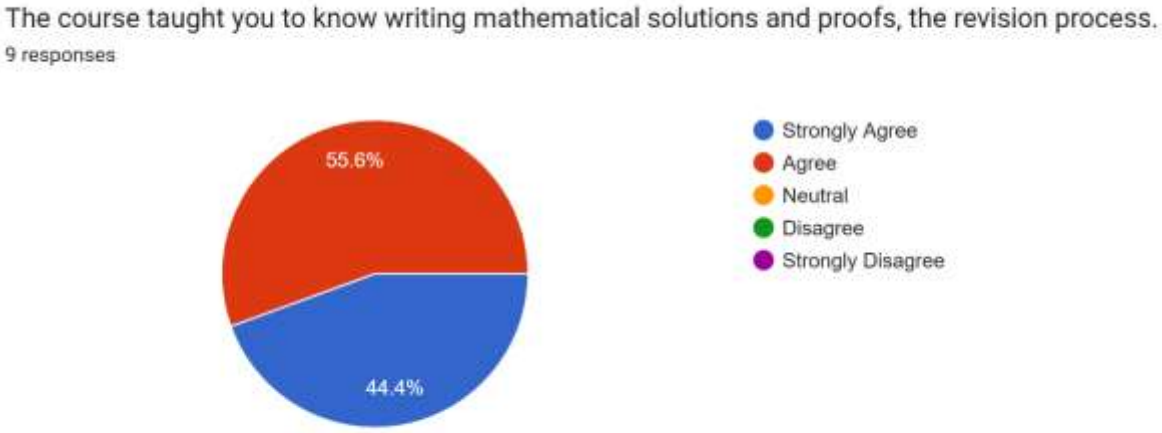
9 responses



The course helped you to learn about ResearchGate; Journal metrics: Impact factor of journal as per JCR, MCQ, SNIP, SJR, Google Scholar metric.

9 responses





Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able to learn the Goals of mathematical writing, general principles of mathematical writing, avoiding errors, Research Criteria, Format of a research article, Preparing a mathematical talk, Oral presentation.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

Major-B. A.(Prog)-SEM-VII-COURSE EXIT SURVEY FORM 2025-26

Course 1: DSC-7: Numerical Methods

The course taught you the basic ideas of Errors and Roots of Transcendental and Polynomial Equations.

1 response

The course helped you to learn the Bisection method, Secant method, Regula–Falsi method, Newton–Raphson method.

1 response

The course helped you to reframe your thinking about Algebraic Linear Systems and Interpolation.

1 response

The course helped you to understand the Gauss–Seidel method; Interpolation: Lagrange form, Newton form.

1 response

The course helped you to learn Numerical Differentiation, Integration and ODE.

1 response

Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able to represent and interpret data in tabular and graphical forms. About more than 84% understood and can interpret the measures of central tendency and dispersion. They are equipped with some fundamental concepts which play a critical role in understanding and visualizing real world data.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

Non Maths (Hons), VII, GE-GE-7 (i-) Course Exit Survey form - 2025-26 APPLIED ALGEBRA

The course taught you the system of linear equations, matrices, and transformations in the fields of economics, science, engineering, and computer science.

1 response

The course taught you to apply the combinatorics and graph theory in scheduling and reliability theory.

1 response

The course helped you to learn about identification numbers and using check digits to check for errors after the identification number has been transmitted.

1 response

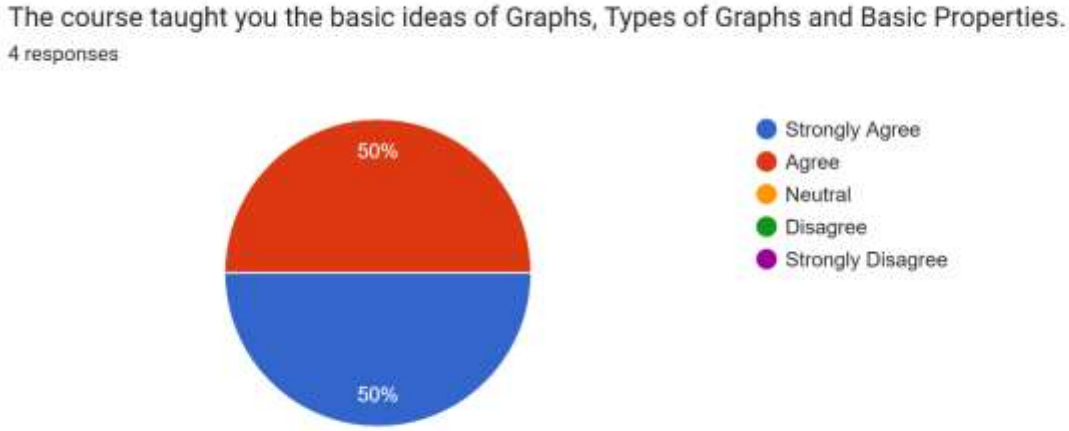
Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able to represent and interpret data in tabular and graphical forms. About more than 84% understood and can interpret the measures of central tendency and dispersion. They are equipped with some fundamental concepts which play a critical role in understanding and visualizing real world data.

Actions Taken

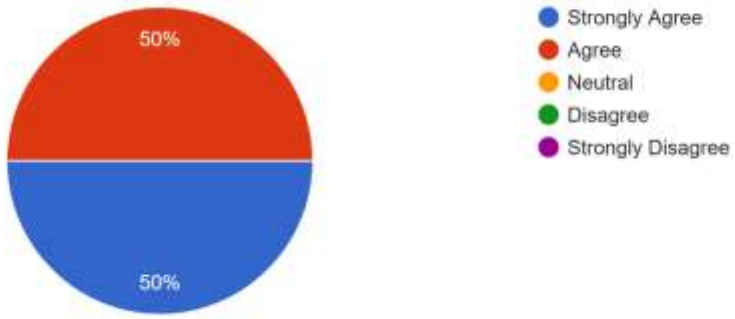
The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

Non Maths (Hons), VII, GE-GE-7 (iii) Introduction to Graph Theory



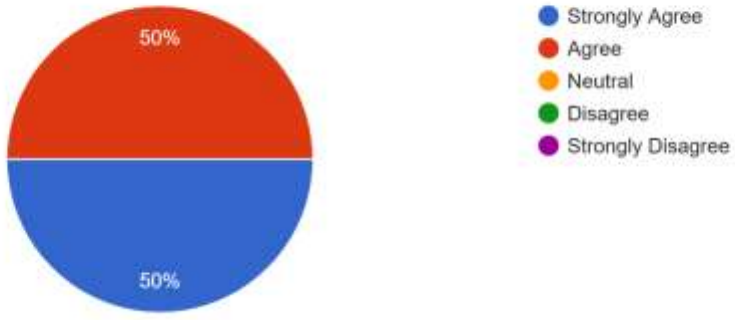
The course helped you to learn the significance of Isomorphism of graphs, Paths and circuits, Connected graphs.

4 responses



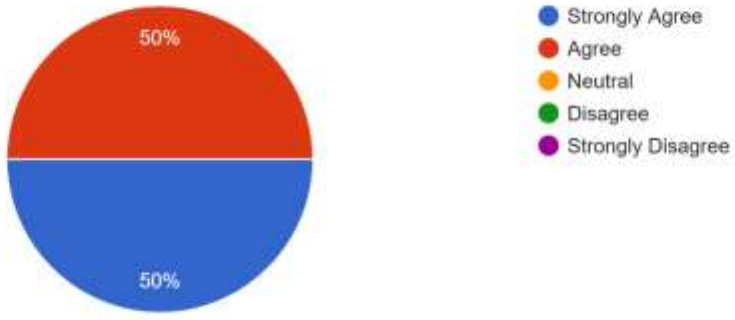
The course helped you to learn about Directed Graphs and Applications, Trees.

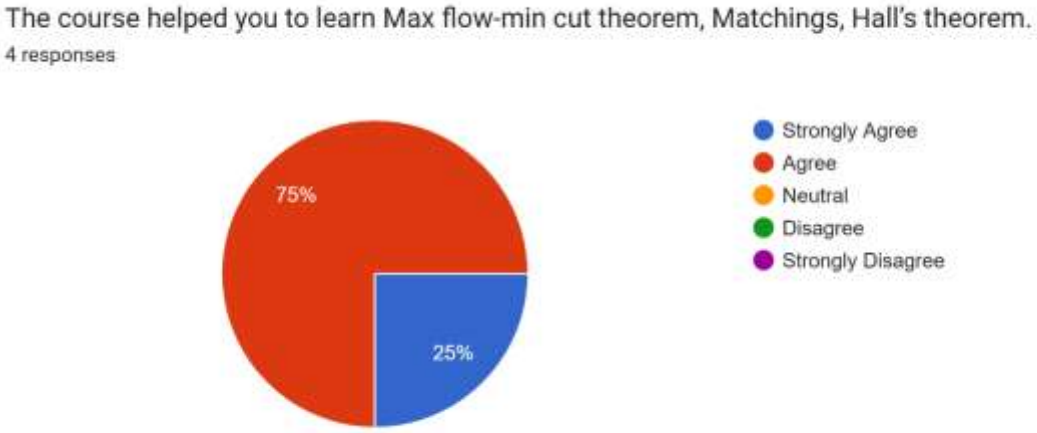
4 responses



The course helped you to understand Planar Graphs, Graph Coloring and Network Flows.

4 responses





Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able to represent and interpret data in tabular and graphical forms. About more than 84% understood and can interpret the measures of central tendency and dispersion. They are equipped with some fundamental concepts which play a critical role in understanding and visualizing real world data.

Actions Taken

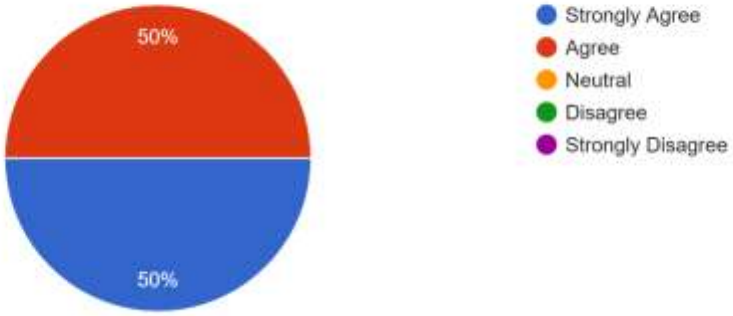
The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.

Non Maths (Hons), VII, GE-7 (iv) -COURSE EXIT SURVEY FORM 2025-26

Non Maths (Hons), VII, GE-7 (iv): Topics in Multivariate Calculus

The course taught you the basic ideas of Calculus of Functions of Several Variables

2 responses

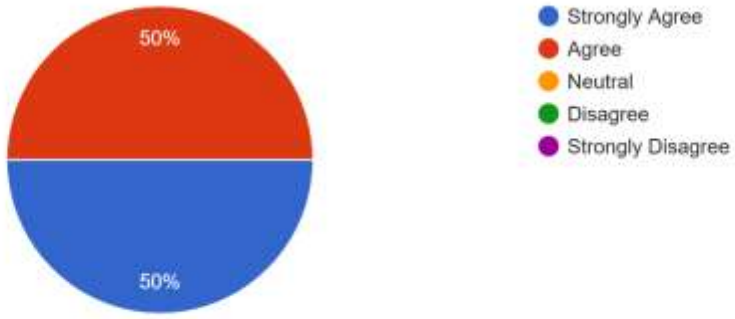


The course helped you to learn the significance of Method of Lagrange multipliers with one constraint.

2 responses

The course helped you to learn about Double and Triple Integrals.

2 responses

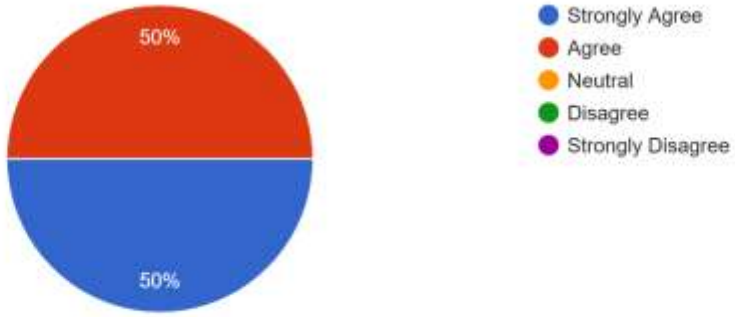


The course helped you to understand Green's, Stokes' and Gauss Divergence Theorem.

2 responses

The course helped you to learn Stokes' theorem, Gauss divergence theorem.

2 responses



Observations:

From the given responses, it is observed that more than 90% of the students strongly agreed and agreed that they were able to the basic ideas of Calculus of Functions of Several Variables, the significance of Method of Lagrange multipliers with one constraint, Double and Triple Integrals.

Actions Taken

The response to this paper has been encouraging. More efforts will be made to keep students intrigued. For moderate responses, topics will be discussed more with the students. Assessments like tests, assignments and internal practical's would also be done at regular intervals.