



HINDI MAHAVIDYALAYA
(ARTS, COMMERCE, SCIENCE & PG CENTRE)
(Autonomous & NAAC RE-ACCREDITED)

PROFORMA FOR THE ACTIVITY REPORTS

Guest lecture

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Department	Department of Mathematics
Topic	SOLUTION OF SYSTEM OF LINEAR EQUATIONS ON GEOMETRICAL METHOD & VECTOR METHOD
Resource Person	Mrs. ARUN JYOTHI Associative Professor, Department of Mathematics, Andhra Mahila Sabha College , Hyderabad.
Name (s) of the Teachers(s) involved	Smt. G.Srivani Smt. T. Ramadevi Sri. M.Sudhakar Sri. T. Thirupathaiah
No. of Students	72
Date	30/06/2022
Objectives	The student will able to : 1. Solve systems of equations by graphing. 2. Solve systems of equations by substitution. 3. Solve systems of equations by addition. 4. Identify inconsistent systems of equations containing two or three variables. 5. Express the solution of a system of dependent equations containing two or three variables. 6. Solve equations for a specific variable. 7. Students are able to add and subtract equations by combining like terms. 8. Students can solve systems of linear equations by elimination. 9. Students are able to determine if a system of linear equations has no solution, one solution, or infinitely many solutions. 10. Students are able to determine which method is best to solve a system of linear equations. 11. Students are able to set up equations based off of real life situations to solve a system of linear equations. 12. Students are able to solve equations base off of real life situations. 13. Determine whether a system of linear equations is consistent or inconsistent. 14. Determine whether a system of linear equations is dependent or independent. 15. Solve a system of linear inequalities by graphing. 16. Determine whether an ordered pair is a solution of a system of inequalities. 17. Solve application problems by graphing a system of inequalities
Report	She explained about 1. Solve systems of equations by graphing. 2. Solve systems of equations by addition.

	<ol style="list-style-type: none"> 3. Solve equations base off of real life situations. 4. System of linear equations has no solution, one solution, or infinitely many solutions. 5. Solve equations base off of real life situations. 6. System of linear equations is consistent or inconsistent. 7. System of linear equations is dependent or independent.
<p>Outcomes</p>	<p>A set of possible learning outcomes for a Solution of System Of Linear Equations on Geometrical Method & Vector Method</p> <ol style="list-style-type: none"> 1. Solve systems of linear equations using Graphical method in real life probelms. 2. Solve systems of linear equations using the inverse of the coefficient matrix when possible 3. Formulate, solve, apply, and interpret properties of linear systems 4. Recognize and use equivalent statements regarding invertible matrices, pivot positions, and solutions of homogeneous systems 5. Relate an augmented matrix to a system of linear equations 6. Relate a matrix to a homogeneous system of linear equations 7. Define what it means for a linear system to be consistent or inconsistent 8. Determine when a system of linear equations has no, one, or many solutions 9. Distinguish between homogeneous and non homogeneous systems 10. Solve linear systems of equations using the language of matrices 11. Translate word problems into linear equations





