BVRIT HYDERABAD College of Engineering for Women
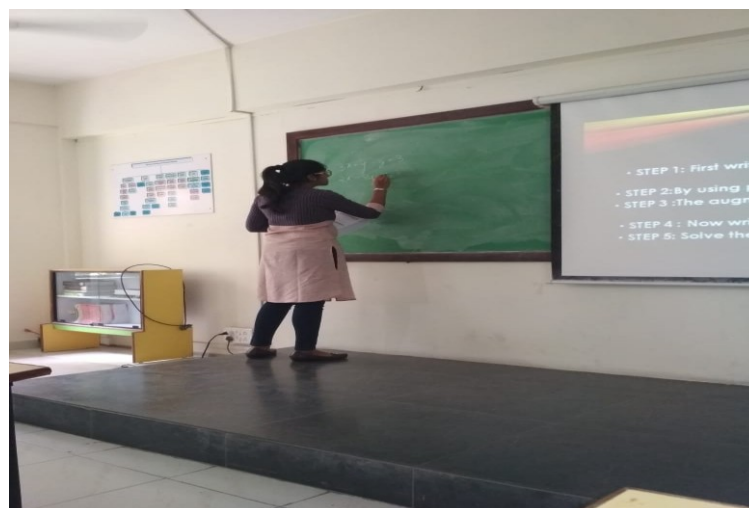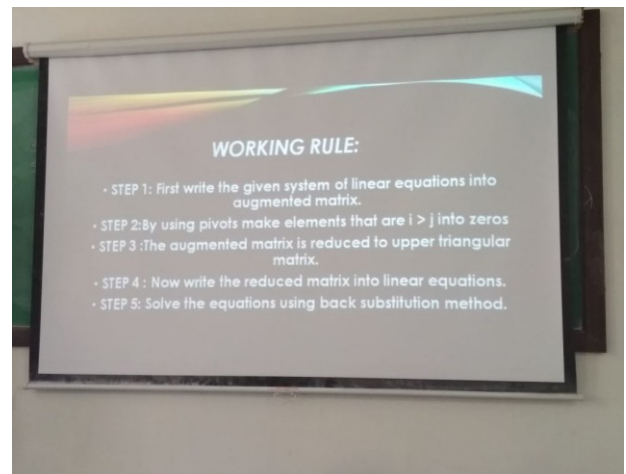## Department of Mathematics

Activity 1
Student's Seminar

Student Name :   S. Harika (18WH1A0442)
Subject Name: Mathematics I
Faculty Name: Dr. C. Nageswaranath
Topic: Gauss Elimination Method
Date of Conduction: 5th September 2018
Class / Year / Semester: ECE A /I year / I Sem

Brief Write-up

Gauss Elimination is a method of solving a system of 'm' linear equations in 'n' unknowns by eliminating the coefficients in such a way that the system reduces to upper triangular system which may be solved by backward substitution, this method is only applicable for system which has unique solution.

Activity 2
Students' Seminar

Students Name:	T. Roshini (18WH1A0479), V.Sathvika (18WH1A04B8)
Subject Name:	Mathematics I
Faculty Name:	Dr. C. Nageswaranath
Topic:	Applications of Matrices in Engineering
Date of Conduction:	24th August 2018
Class / Year / Semester:	ECE B /I year / I Sem

Brief Write-up

Matrices have many applications in engineering. Matrices are used in study of electrical circuits, Quantum Mechanics and Optics. In calculation of battery power outputs, resistor conversion of electrical energy into another useful energy. Matrices are also used in conversion of three dimensional images into two dimensional. In geology, they are used for taking seismic surveys. Matrix theory is also helpful in studying various subjects like Graph theory, Linear programming problem, Game theory etc

Students Name: Vaishnavi. M (18WH1A0451)
Subject Name: Mathematics I
Faculty Name: Dr. C. Nageswaranath
Topic: Applications of Matrices in Real life
Date of Conduction: 9th September 2018
Class / Year / Semester: ECE B /I year / I Sem

Brief Write-up

Matrices have many real life applications. Matrices are used are used in representing the real world's data like the people's population and other common survey things such as habits or traits of people. Matrix algebra is use in Encryption of data. Government (Banking, Military etc) is using sophisticated methods of Encryption and decryption of data to maintain confidentiality of data. It is used widely in Economics to write compactly and to manipulate simultaneous equations of linear economic models. In sports, to display scores, to display past performance of players, their strategies etc.