

CHANDIDAS MAHAVIDYALAYA

DEPARTMENT OF MATHEMATICS

NOTICE

Subject: Departmental Seminar

It is notified that for all the students of B.Sc. (Hons./General) that the **Departmental Seminar** will be held on 8th December (Friday) at 12 PM.

All the students are requested to attend this program positively.

Topic: Matrices and Determinants

Date: 08.12.2017

Time: 12PM

Venue: Vivekananda Seminar Hall

Conducted by: Prof. Bipattaran Raj

Date: 01.12.2017

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Signature of the HOD

Deptt. of Mathematics
Chandidas Mahavidyalaya
Khujutipara, Birbhum

CHANDIDAS MAHAVIDYALAYA

Department of Mathematics

Session: 2017-2018

Attendance Sheet for the Departmental Seminar

Topic: Matrices and Determinants

Date: 08.12.2017

Sl.No.	Name of students	Signature of the students
1	Injamul Haque	Injamul Haque
2	Sabyasachi Das	Sabyasachi Das
3	Biraj Saha	Biraj Saha
4	Sourav Mondal	Sourav Mondal
5	Kalyan Banerjee	Kalyan Banerjee
6	Abhayendu Roy	Abhayendu Roy
7	Bikram Mondal	Bikram Mondal
8	Gour Ghosh	Gour Ghosh.
9	Eyasmin Khatun	Eyasmin Khatun
10	Satyadeb Pal	Satyadeb Pal
11	Shrabani Singha	Shrabani Singha
12	Tithi Mondal	Tithi Mondal
13	Sahanewaz Sk	Sahanewaz Sk
14	Mir Rahamatulla	Mir Rahamatulla.
15	Khadija Sultana	Khadija Sultana

BOR
Signature

Deptt. of Mathematics
Chandidas Mahavidyalaya
Khujutipara, Birbhum

Department of Mathematics

Report on Departmental Seminar

Topic: Matrices and Determinants

Sub Category: Research aspect

Date: 08.12.2017

Venue: Vivekananda Seminar Room

Time: 12:00 PM

Presented by: Prof. Bipattaran Raj

No. of participations: 15

Brief discussion: A departmental Seminar has been organized by the Department of Mathematics to encourage the outlook of the students. Prof. Bipattaran Raj to give a special lecture on “Matrices and Determinants”.

A matrix is an array of elements that is denoted by M , and the determinant is the single numeric value to represent this matrix and is denoted as $|M|$. The number of rows and columns in a matrix is called the order of the matrix, and for a determinant, the number of rows should be equal to the number of columns.

Determinants and matrices, in linear algebra, are used to solve linear equations by applying Cramer's rule to a set of non-homogeneous equations which are in linear form. Determinants are calculated for square matrices only

Outcome:

- Applications of determinants and matrices can be widely seen while checking the consistency of the system of linear equations in two or three variables.
- They can solve the linear equations in two or three variables using determinants and matrices.
- They are used to create graphs, statistics, calculate and conduct scientific studies and research in a variety of subjects. Matrices are also used to represent real-world statistics such as population, infant mortality rate, and so on.
- They are the most accurate in the survey of the plotting methods.
- In biology, matrix (plural: matrices) is the material (or tissue) in between a eukaryotic organism's cells. The structure of connective tissues is an extracellular matrix. Fingernails and toenails grow from matrices. It is found in various connective tissues.

Department of Mathematics

Departmental Seminar

Presented By : Bipattaran Raj

Date : 08/12/2017

Time : 12:00 PM



B.R.

Deptt. of Mathematics
Chandidas Mahavidyalaya
Khujutipara, Birbhum

B.R.

Teacher - in - Charge
Chandidas Mahavidyalaya
Khujutipara, Birbhum



CHANDIDAS MAHAVIDYALAYA
Khujutipara, Birbhum

Certificate of Participation

Departmental Seminar/Webinar/Special lecture/ Special Seminar

Certified that.. *Mir Rahamatulla*.....of *Chandidas Mahavidyalaya*
(*Institute/Office*) actively participated in.. *Departmental Seminar*.....
organized by *Department of Mathematics* on *08/12/2017*

FOR

Signature of the Organizing Secretary

Dept. of Mathematics
Chandidas Mahavidyalaya
Khujutipara, Birbhum

AM

*Signature of the Principal
Teacher - in - Charge*

Chandidas Mahavidyalaya
Khujutipara, Birbhum



CHANDIDAS MAHAVIDYALAYA
Khujutipara, Birbhum

Certificate of Participation

Departmental Seminar/Webinar/Special lecture/ Special Seminar

Certified that... Injamul... Haque.....of Chandidas Mahavidyalaya
(Institute/Office) actively participated in Departmental Seminar.....
organized by Department of Mathematics on 08/12/2017

BR

Signature of the Organizing Secretary

Deptt. of Mathematics
Chandidas Mahavidyalaya
Khujutipara, Birbhum

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Signature of the Principal
Teacher - in - Charge

Chandidas Mahavidyalaya
Khujutipara, Birbhum



CHANDIDAS MAHAVIDYALAYA
Khujutipara, Birbhum

Certificate of Participation

Departmental Seminar/Webinar/Special lecture/ Special Seminar

Certified that... *Gour Ghosh* of *Chandidas Mahavidyalaya*
(Institute/Office) actively participated in *Departmental Seminar*
organized by *Department of Mathematics* on *08/12/2017*

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Chandidas Mahavidyalaya
Khujutipara, Birbhum

BM

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Teacher - in - Charge

Chandidas Mahavidyalaya
Khujutipara, Birbhum