



Report of the Field Work/ Project Work/ internship/ Summer Project

1. Name of the Course: UG Honours Course
2. Course Code: Project in lieu of DSE-4
3. Name of the Department: Mathematics
4. Affiliating University: Gauhati University
5. Year of Conduct: 2020-21
6. Number of students Involved: 24
7. Places where it is conducted: At different places according to need of the project
8. Objectives:
 - (i) To apply the knowledge of Mathematics in solving different problems related to real life.
 - (ii) To prepare and compare linear programming problems with application to transportation, assignment and game problem which helps in manufacturing resource planning and financial sectors. To study and compare different methods of integration and behaviour of series.
 - (iii) Application of differential equation in differential equation in various branches of sciences, application of congruences in cryptography, application of statistical formulae and theorems.

9. Methodology:

Some projects are prepared by collection of primary data from the source as required. Then applying the formula the results are analysed. In some other projects different examples are taken to study the behavior and then applying the formulae compare the results.

10. Details the of the Field Work/ Project Work/ internship/ Summer Project:

Name of the topic(Project)	No. of the studens	Name of the supervisor	Signature of the Supervisor
Importance of Number theory in Cryptography	08	Mrs Rina Deka	
Application of Boolean Algebra in Real life			
Application of Differential equation in varius branches of science and technology			
Application of logarithim different field			
Congruance and its application			
A study of some special series with the help of higher mathematics			
Some application of number theory			
Triangular Numbers	08	Mahananda Kr. Pathak	



Application of Matrices in real life			
Magic Squares with it's additional properties			
Eulerian Graphs			
Moment of Inertia and it's Application			
Moment of Inertia if Rigid Bodies			
Application of Differentrial Equation in Medical Science			
A Study to Strong Visual Thought Balance and Proportion using Mathematics			
Application of Linear Programming in Real Life	08	Dr Kalpana Misra	
Differentiation and its application			
A study on application of Baye's Theorem using Mathematics			
Application of Newton's forward and backward interpolation formula for equal interval (2)			
Comparison of numerical integration methods for equal interval			
Application of Graphical and simplex method in linear programming problem			
Application of transportation problem in real life			

11. Outcome of field work/ Project Work

After completion of the project students developed the understanding of different topics of mathematics to apply in solving real work problems like in industry, transportation, cryptography etc. Students develop analytical ability to apply the knowledge of theorems and formulae throughout the process and experience the enjoyment of using mathematics.

Dae
Principal
Pub Kamrup College
P.O. Baihata Chariali

[Signature]
Signature of Head
Head of the Department
Department of Mathematics
Pub Kamrup College


Attachments:

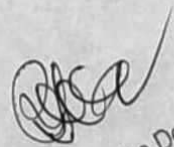
1. Sample project/ Field work report of the students/ Internship or summer project completion Certificate
2. List of students



LIST OF STUDENTS (2020-21)
DEPARTMENT OF MATHEMATICS

Sl. No.	Name
1	Sahil islam
2	Manisha deka
3	Mrinmoy sharma
4	Jugal kishore deka
5	Sagarika sarma
6	Angshuman bhattacharjya
7	Jagadish kalita
8	Abhijit hazarika
9	Dhritima deka
1	Karishma devi
11	Nasrin saikia
12	Manas pratim saloi
13	Nilim kumar
14	Mehdi alam mustafee
15	Kaushik kalita
16	Nayan jyoti kalita
17	Parash mani deka
18	Mrinmoyee deka
29	Sanjib patowary
20	Upasana devi
21	Nazmina nasrin
22	Kallol nath
23	Abhijit narzary
24	Pabel nath


Principal
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P.O. Baihata Chariali


Head of the Department
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