গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE
NAAC accredited with 'B' Grade

STUDENTS SEMINAR REPORT

Department of Mathematics

Gargaon College Simaluguri

OVERVIEW OF THE PROGRAMME

The process of preparing and delivering a presentation helps improve verbal communication skills. Students from each semester are required to give individual presentations. Topics are first prepared by the faculties of the department and distributed to Students.

Students are used PowerPoint as well as blackboard for this presentation.

The preparation for a presentation fosters critical thinking skills, as students must evaluate the relevance and significance of their chosen topic within the context of the course. The experience gained through seminars prepares students for future workplace scenarios, where the ability to present ideas persuasively is a valuable skill.

The Q&A sessions following seminar presentations provide a platform for constructive feedback from peers and faculty. This feedback loop is invaluable for students' personal and academic growth, helping them refine their ideas and presentations based on diverse perspectives.

Students Name with Seminar Topic

4th Semester Seminar.
11/05/23.

Sl.N	Roll No	Name	Topic
1	152	Urboshi Boruah	Gauss Elimination Method
2	162	Tinashree Dutta	Gauss Jordan Method
3	17	Prarogya Dihingia	→ Ring hom and Properties of
4			Ring Homomorphism
A	18	Sukanya Phukon	Properties of Ring
5	235	Nikita Gogoi	
6.	252	Pranjal Phukon	Improper Integral.
7	254	Lucky Hatibaruah	
8	13	Udayan Khanikar	Definition and Examples of Ring.
9	194	Tinamoni Panging	Ideal and it's Properties.
10	49	Ujjawal Lahon	Integral Domain.
11	33	Hritwick Raj Phukon	Newton Binomial Expansion. Formula.
12	235	Nikita Gogoi	Vector Subspace.
13	199	Adeti Kumari	Subrings
14	26	Sumon Buragohain	Bisection Method.

11/05/23

6th Sem : 21/05/23.

Chair Person :- Ritwick Duwarah.
                Sujata Goala.

ShNo	Roll No	Name	Topic
13	29	Rantu Das	Analytic Function.
14	345	Debashish Rajkotoki	Contour
15	28	Bijoy Beria	Hamiltonian Cycle.
16	304	Rubul Marar	Amihitator

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6th Sem   2/05/2023

Chair Person:— Ritwick Duwarah
                        Sujata Gualar.

SNo	Roll No	Name	Topic
①	303	Bitupon Mohan	Homomorphism of Boolean Algebra.
②	18	Jajasmita Mandique	Lattice as algebric structure.
③	242	Hemanta Baruah	Inner Product Space.
④	344	Jamini Phukon	Gram Schmidt Orthogonalization Process
⑤	191	Bhargov Baruah	Adjacency Matrix.
⑥	01	Bristi Bora	Distributive and Modular Lattice.
⑦	58	Soumacharjya Baruah	Liouville's Theorem.
⑧	177	Sumuraja Gogoi	Cauchy-Riemann eqn in polar form.
⑨	188	Kamal Chetia	Isomorphism of Graph.
⑩	146	Bhargav Jyouti gogoi	Laurent's Series.
⑪	203	Srimanta Bijoy Aronchara	Dual Space.
⑫	124	Ankur Changmai	Cauchy-Rieman eqn in Cartesian Coordinate.

2/05/23
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Chair person :- Ritwick Dascarah.

2rd Sem   2/5/23

SLNo	RollNo	Name	Topic
1.	146	Pranjit Gogoi	Exponential Growth of Population
2.	18	Bishnu Saikia	Model of a battle
3.	242	Manab Phukon	Exact D.E.
4.	59	Sufan Rahman	Lake Population Model
5.	7	Himangshu Hazarika	Principle of Superposition of Homogeneous eqn.
6.	50	Rituparna Chelia	Method of Undetermined Coeffecient.
7.	295	Haripriya Gogoi	Drug Assimilation into Blood.
8.	40	Himadri Mohan	Archeimdean Property.
9.	23	Saloni Bordoloi	Supremum and Infimum.

2/5/23

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7/11/2022   1st Semester (H)

SL. No	Roll No	Name	Topic	Rem~
1.	146	Pranjit Gogoi	Polar equation of Conics	
2.	18	Bishow Saikia	Relation of Sds.	
3	242	Manab Jyoti Phukan	Proportion of Congruence	
4	50	Rihumoni Chetia	Composition of Function	
5.	23	Sabni Bordoloi	Leibnitz's Theorem	
6	7	Himanshu Hazarika	Hyperbolic Functions	
7.	68	Protyush Dihingia	Rotation of Axes	
8.	59	Irfan Rohman	Reflection properties of Conic	
9.	96	Bishwa Buragohain	Semi part on maxima & minima	
10	166	Raj Konwar	Division Algorithm	
11	204	Amlan Buragohain	De-Moivre's theorem & its Application.	
12	283	Bhargov Jyoti Chetia	Raw Reduce echelon form	
13	295	Haripriya Gogoi	Mathematical induction	
14	139	Raja Ghatuwar	Polar representation of complex number and nth roots of unity.	

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Seminar Presentation :

Sl. No	Roll No	Name	Topic
1	11	Pankaj Pratim Gogoi	Slicing method
2	82	Sahil Ahmed	Reduction formula for $\int \tan^n x \, dx$
3	57	Biswjyut Gogoi	Washer Method
4	90	Prmi Dham	Disk Method
5	25	Subhangi Baruah	Function
6	105	Rupam Chutique	Reduction formula of $\int \sin^n x$ with example
7	191	Akash Kaumalbuwa	Reduction formula of $\int \cos^n x$ with example
8	202	Himangshu Tungkhungia	Rank of a matrix
9	223	Akhilakh Boruah	Euclidean Algorithm

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Seminar Presentation :

Sl. No	Roll No	Name	Topic
	11	Farah Nabin Negri	Slicing method
	182	Sahil Ahmed	Reduction formula for $\int \tan^n x \, dx$
	57	Bidyut Gogoi	Washer Method
	30	Twri Phani	Disk Method
	2F	Subhangi Baruah	Function
	105	Rupam Chaudangi	Reduction formula of $\int \sin^n x$ with example
	191	Akash Krsum	Reduction formula of $\int \cos^n x$ with example
	202	Urmanaha Tungkhungia	Rank of a matrix
	223	Abhilakh Baruah	Euclidean Algorithm

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Date 7/11/2022   3rd Semester (A)

Sl. No.	Roll No.	Name	Topic	Remark
1.	178.	Dip Jyoti Borpatragohain	Center of a group and product of two subgroups	✓
2.	12.	Indrani Dutta	Definition and examples of groups	
3.	33.	Hrithik Raj Phukon	Method of Separation of variables	
4.	194	Thaneswari Pangging	Cyclic groups and its properties	
5.	162	Tinashree Dutta	Charpit's Method	
6	17	Dibasurjya Mahimia	Basic Concept of PDE	
7.	49	Ujjwal Tahon	Classification of 1st order PDE	
8.	252	Dhanjal Phukon	Method of separation of variables for solving first order PDE	
9.	254	Lucky Hati baruah	Group homomorphism & properties of homomorphism	
10.	235	Nikita Gogoi	Taylor's Theorem	
11	13	Udayan Khanikar	Classification of 2nd order linear PDE as hyperbolic, parabolic an elliptic.	
12	18	Sukanya Phukon	Sequential Criteria of Continuity.	
13	207	Dimpal Gogoi	Euler Method	

Name   Roll No   Topic

Date 7/11/2022   3rd Semester (A)

S.L NO.	Roll NO.	Name	Topic	Remark
1.	178.	Dip Jyoti Borpatragohain	Center of a group and product of two subgroup	✓
2.	12.	Indrani Dutta	Definition and example of groups	
3.	33.	Hrithik Raj Phukan	Method of Separation of variables	
4.	194	Tharani Panging	A Cyclic groups and its properties	
5.	162	Tinashree Dutta	Charpit's Method	
✓ 6	17	Pratisurjya Mahimaia	Basic Concept of PDE	
7.	49	Ujjwal lahon	Classification of 1st order PDE	
8.	252	Dhanjal Bhukon	Method of separation of variables for solving first order PDE	
9	254	Lucky Kalibaurah	Group homomorphism & properties of homomorphism	
10.	235	Nikita Gogoi	Taylor's Theorem	
11	13	Udayan Khanikar	Classification of 2nd order linear PDE as Hyperbolic, Parabolic an elliptic	
12	18	Sukanya Bhukon	Sequential criteria of continuity	
13	207	Dimpal Gogoi	Euler Method	7/11/22

Seminar Presentation.

L. No.	Roll No.	Name	Topic
14	240	Nikul Pal Baruah	Convex Function
15	215	Ankur Phukon	Uniform Continuity
16	152	Urbashi Baruah	One Side limit
17	155	Kumen deep Barah	Canonical form of 1st order linear PDE
18	158	Prodyut Borah	Continuous function.
19	197	Aditi Kumari	Permutation & properties of permutations.
10	67	Mausum Gogoi	Symmetries of a square.
1	345	Anurag Saikia	External direct product of a finite number of group
2	179	Bibekananda Gogoi	Lagrange Method.
3	78	Sumon Buragohain	Subgroups.

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Seminar Presentation.

Sl No.	Roll No.	Name	Topic
4	240	Nitul Pal Baruah	Convex Function
15	215	Ankur Phukon	Uniform Continuity
16	152	Urbashi Baruah	One Side limit
17	155	Ramon deep Barah	Canonical form of 1st order linear PDE
18	158	Pradyut Borah	Continuous function
19	199	Aditi Kumari	Permutation & properties of permutations
10	67	Mausom Gogoi	Symmetries of a square
1	345	Anurag Saikia	External direct product of a finite number of group
2	179	Bibekananda Gogoi	Lagrange method
3	78	Suman Buragohain	Subgroups

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Name | Roll No | Topic

7/11/2022 — 5th Semester (H)

Sl No	Roll No	Name	Topic	Remark
1	191	Bhargav Biswas	Line Integral.	
2	29	Rantu Das	Extrema of functions of two variable.	
3.	291	Hiramoni Boruah	Genus Theorem	
4	1	Biraj Gara	Automorphism.	
5.	18	Jajasmita Handique	Sketching of parabola, ellipse & Hyperbola.	
6.	28	Bijoy Betia	Characteristic Subgroup.	
7.	138	Toumarcharyya Barwah	Reflection property of an ellipse.	
8.	88	Debabrat Saikia	External direct product and its properties.	
9	303	Bitupon Mohan	Sylow's 1st theorem.	
10	304	Rubul Morcare	Modular Group of unit modulus n as external direct product	
11	188	Kamal Chutia	Sylow 3rd theorem & its application.	
12.	124	Ankur Changmai	Reflection property of hyperbola.	

7/11/2022   5th Semester (H)

Sl No.	Roll No.	Name	Topic	Remark
1	191	Bhargav Boruah	Line Integral	
2	29	Rantu Das	Extrema of functions of two variable	
3	291	Hemanta Borah	Group Ring	
4	1	Biraj? Bora	Automorphism	
5	18	Jagasmita Handique	Sketching of parabola, ellipse & hyperbola	
6	28	Bijay Bania	Characteristic subgroup	
7	58	Soumarcherya Baruah	Reflection property of on ellipse	
8	88	Debabrat Saikia	External direct products and its properties	
9	303	Bitupan Mahan	Sylow's 1st theorem	
10	304	Rubul Morani	Maddy Group of unit modulus as external direct product	
11	188	Kamal Chelia	Sylow 3rd theorem & its application	
12	124	Ankur Changmai	Reflection property of hyperbola	

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Seminar Presentation :

13	146.	Bhargew Jyoti Gogoi	Class equation & Sylows P Subgroup .
14.	344	Jamini Phukon	Application of factore group to automorphism of group .
15.	177.	Simuraja Gogoi	Cylindrical Surfaces.
16.	203	Srimanta Bijay Arandhara .	Internal direct Product .
17.	345	Sebashis Raykalaky	Finite & Infinite Cyclic group .
18	57 .	Ankuman Khanikar	Limit and Continuity of functions of two variables .
19	204	Sajidure Rahman	Intersection of two spheres .

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Seminar Presentation.

13	146	Bhargav Jyoti Gogoi	Class equation & Sylow P Subgroup.
14	344	Jamini Phukon	Application of factors group to automorphism of group.
15	177	Simuraza Gogoi	Cylindrical Surfaces.
16	203	Srimanta Ajay Arandhara	Internal direct product.
17	345	Debashis Ragkalaky	Finite & Infinite cyclic group.
18	57	Pm Kumar Khanikar	Limit and Continuity of functions of two variables.
19	204	Sajidure Rahman	Intersection of two spheres.

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PHOTOGRAPHS

Garhgaon, Assam, India
WPHV+G2H, Balighaat, Garhgaon, Borkola Gorh Gaon, Assam 785685, India
Lat 26.928756°
Long 94.742468°

Borkola Gorh Gaon, Assam, India
WPHV+P4M, Borkola Gorh Gaon, Garhgaon, Assam 785685, India
Lat 26.929195°
Long 94.742798°

Borkola Gorh Gaon, Assam, India
WPHV+P4M, Borkola Gorh Gaon, Garhgaon, Assam 785685, India
Lat 26.929273°
Long 94.742919°

Borkola Gorh Gaon, Assam, India
WPHV+P4M, Borkola Gorh Gaon, Garhgaon, Assam 785685, India
Lat 26.929195°
Long 94.742798°