

GOUR MAHAVIDYALAYA

DEPARTMENT OF MATHEMATICS

ACCREDITED BY NAAC (3rd cycle) B⁺⁺

Dr. Rakesh Sarkar, Ph.D.
Head of the Department
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Memo No: GM/MATH/00010/25

Date: 25.03.2025

NOTICE

Subject: Submission of IAPC Project Report, SEC01-Project Report and Preparation of PPT Slide according to the following assigned topic of Mathematics (Major)-Semester I

All students of **Mathematics as Major in Semester I** are hereby informed that they must have to submit their **IAPC Project Report, SEC01-Project** by **2nd April 2025**. Also they have to prepare a **PPT of 4-5 Slides according to the following assigned topic by 3rd by April 2025.**

Submission Guidelines:

- **Last Date: IAPC Project Report, SEC01-Project - 2nd April 2025.**

PPT Slide - 3rd by April 2025.


IAPC Project Report: As directed to prepare at the time of Community Outreach Programme/School Teaching.

SEC01-Project Report Must be prepared according to the following format.

<ul style="list-style-type: none">• Cover Page (Must Include):<ul style="list-style-type: none">○ Student's Name○ Roll Number○ Course Name (Mathematics Major – Semester I)○ College○ Assignment Title	<ul style="list-style-type: none">• Required Pages:<ul style="list-style-type: none">○ Title Page○ Content Page○ Acknowledgment Page○ Main Content (at least 20 pages)○ Reference Page
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- **SEC Project Topic: Any one topic from their assigned Paper.**
- **Mode of Submission: Submit hard copy of IAPC Project Report, SEC01-Project and soft copy of PPT**
- **Submit To: Department of Mathematics**

For any queries, contact Department of Mathematics.


Head of the Deptt.
Deptt. of Mathematics
Gour Mahavidyalaya
Mangalbari, Malda.
(Dr. Rakesh Sarkar)

HoD
Department of Mathematics,
Gour Mahavidyalaya,
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Sl.No.	Name of the Student	Roll No	Topic
1	Abdul Nazir	1	Polar representation of complex numbers, De Moivre's theorem for rational indices and its applications, n-th roots of unity
2	Afroja Khatun	46	
3	Ajjur Rahaman	76	
4	Akshika Barman	82	De Moivre's theorem for rational indices and its applications, n-th roots of unity, Inequalities involving $AM \geq GM \geq HM$
5	Amit Mandal	79	
6	Anjali Mandal	53	Inequality: Inequalities involving $AM \geq GM \geq HM$, Cauchy-Schwartz inequality, m-th power theorem, Maximum and minimum values of polynomials
7	Beauty Karmakar	9	
8	Chaitanya Mandal	11	
9	Debjyoti Mandal	12	.Cauchy-Schwartz inequality, m-th power theorem, Maximum and minimum values of polynomials, sine, cosine and logarithm of a complex number
11	Deep Kumar Paul	13	
12	Digambari Mandal	14	
13	Dipa Karmakar	73	
14	Ferjatun Khatun	54	General properties of equations, Fundamental theorem of classical algebra (statement only) and its application on exponential, sine, cosine and logarithm of a complex number, Transformation of equations.
15	Kanij Fatema	18	
16	Kanistha Swarnakar	69	
17	Khushbu Mahaldar	81	
18	Labani Tikader	93	Descarte's rule of signs for positive and negative rule, Strum's theorem, Relation between the roots and the coefficients of equations, Symmetric functions. Applications of symmetric function of the roots, Solutions of reciprocal equations, Solutions of binomial equations, Algebraic solutions of the cubic (Cardon's method).

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19	Mahamuda Khatun	19	Relation between the roots and the coefficients of equations, Solutions of reciprocal equations, Algebraic solutions biquadratic (Ferrari's method).
20	Manati Karmakar	72	
21	Marium Khatun	20	
22	Maskura Khatun	91	Functions, Composition of functions, Invertible functions, One to one correspondence and cardinality of a set, Recurrence relation, definition, example
23	Md. Sakil	78	
24	Md. Shahinsa Hossian	24	
25	Mst. Nurnesha Khatun	26	Formation of recurrence relation, Factorial representation, Fibonacci number, Solution upto second order linear recurrence relation, Generating function
26	Muskan Parveen	66	
27	Nafisa Khatun	89	
28	Najmin Aktar Banu	27	Equivalence relations and partitions, Well-ordering property of positive integers, Division algorithm, Divisibility and Euclidean algorithm,
29	Nayan Chowdhury	86	
30	Nilkanta Sarkar	28	
31	Nupur Mandal	50	Divisibility and Euclidean algorithm, Principles of Mathematical Induction, Congruence relation between integers, Fundamental Theorem of Arithmetic
32	Payel Parvin	29	
33	Pritam Barman	85	
34	Priti Mandal	71	
35	Rahul Singha	32	Systems of linear equations, Row reduction and echelon forms, The matrix equation $Ax = b$, solution sets of linear systems, Applications of linear systems, linear independence
36	Raj Saha	70	
37	Ranit Biswas	84	
38	Roshni Murmu	68	


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39	Rudradev Sarkar	36	Systems of linear equations, Row reduction and echelon forms, Formation of recurrence relation, Factorial representation, Fibonacci number, Solution upto second order linear recurrence relation
40	Sahin Rahaman	74	
41	Sahina Parvin	52	
42	Samima Khatun	77	Real Quadratic Form involving not more than three variables, Characteristic equation of square matrix of order not more than three, Eigenvalues and eigenvectors.
43	Sehenaj Aktari	88	solution sets of linear systems, Applications of linear systems, linear independence, Eigenvalues and eigenvectors
44	Shreya Mandal	75	
45	Shubha Sarkar	83	
46	Sk. Asmaul	56	
47	Subhajit Mandal	41	Cayley-Hamilton Theorem, Recurrence relation, definition, example, Formation of recurrence relation, Factorial representation, Fibonacci number, Solution upto second order linear recurrence relation
48	Subrata Biswas	42	
49	Supurna Poddar	94	
50	Tumpa Karmakar	80	

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