

Email-remunadegreecollege@gmail.com Department mail ID: <u>rdcmathematics56@gmail.com</u>

OUR COLLEGE



Education stimulates self-study. We must endure willingly for the fulfillment of dreams and this is possible only at college .As college broadens one's horizon. It is a broader platform to understand and prove ourselves a place where we find and create ourselves. It is a temple of learning.

CONTENTS

- **>HISTORY OF THE DEPARTMENT**
- >VISION AND MISSION
- **>FACULTY PROFILE**
- **>BRIEF STUDENTS PROFILE**
- > CURRICULUM
- **>TEACHING AND LEARNING METHOD**
- >CO-CURRICULAR ACTIVITIES
- DEPARTMENTAL SEMINAR & WEBINAR REPORT
- > DEPARTMENTAL ACTIVITY AT A GLANCE
- > SWOC ANALYSIS
- **> FUTURE PLAN OF THE DEPARTMENT**

DEPARTMENT OF MATHEMATICS



MATHEMATICS was introduced by the college as a subject in 2001 and followed by its successful record in 2016 it is recommended by Fakir Mohan University as honours Subject. Mathematics helps us understand the world and provides an effective way of building mental discipline. Math encourages logical reasoning, critical thinking, creative thinking, problem solving ability and even effective communication skills.

DEPARTMENT NAME ----- MATHEMATICS (Study of number, formulas, structures, shapes and spaces)

Year of establishment ----- 1999 (Pass) and 2016 (Honours)

Broad Classification of the stream ----- Physical Science

Program offered ----- Under Graduate Honours Course

Syllabi adopted ----- Choice Based Credit System

Sanctioned Strength - --- +3 Science (Hon's) – 24

Name of university to which the department is affiliated ------ F.M. UNIV. VYASAVIHAR , BALASORE

Any Interdisciplinary Course or participation in subsidiary course offered by other departments :

- Skill Enhancement Course- QALT
- Bridge Course-Macro and Micro Economics

Purpose Of The Department

Mathematics is a powerful tool for global understanding and communication that organizes our lives and prevents chaos. Using it, students can make sense of the world and solve complex and real problems. Rethinking math in a global context offers students a twist on the typical content that makes the math itself more applicable and meaningful for students. Math is often studied as a pure science, but it is typically applied to other disciplines, extending well beyond physics and engineering. It is not only gives students a real world context in which to use the math, but helps them understand global phenomena.

If students are given the right content and context for a globally infused math curriculum, they will able to apply math strategies to solve problems and develop and explain the use of a given math concept in the global sense. And they will be able to use the right math tools in right situation.

VISION, MISSION AND FUTURE PROSPECTS

VISION

- Imparting of quality Mathematics Education and the inculcating of the spirit of research through innovative teaching and research methodologies.
- Department is committed to providing an education that combines rigorous academics.
- To provide an environment where students can learn, become competent users of mathematics and understand the use of mathematics in other disciplines.

MISSION

- To discover, mentor and nurture Mathematically inclined students and provide them a supportive environment that fosters intellectual growth.
- To explore applications of Mathematics and statistics and engage in collaborative research in an interdisciplinary environment.
- To guide the students for self evaluation, personality development to strive towards perfectly.
- Provide a back ground for relating Mathematical techniques to solve real life problems.

FUTURE PROSPECTS

- Refine our curriculum to cultivate students' Mathematics literacy and potential.
- Keep on updating and building facilities for teaching and research to enhance performance and achievement.
- To encourage students to participate in institutional seminar for Mathematical related studying Goals and Objectives
- Become Mathematical problem solver
- Students should appreciate the beauty, fun and power of Mathematics and be able to articulate what Mathematics is about and what Mathematicians do.
- Students should develop effective thinking and communication skills.
- Students should be able to use technological tools appropriately and effectively.

FACULTY PROFILE

FACULTY MEMBERS

At present the total member of sanctioned teaching staff is 2.

The following table reveals the details

S∖N.	Name of Teaching Staff	Designation	Qualification	Teaching Experience in Period	
01	Mrs.Sasmita Ray	Lecturer,HOD	M.Sc	6yr	
02	Mr. Gopinath Das	Lecturer	M.Sc	Зуr	

SUCCESSIVE HOD LIST

The following table reveals the detail

SI. N.	Name	From	To
1.	Mrs.Sasmita Ray	21.7.14	Continuing

BID-DATA OF FACULTY MEMBER -1



NAME	Mrs. Sasmita Ray
QUALIFICATION	M.Sc.
SPECIALIZATION	Number Theory and Cryptography
DESIGNATION	Lect. In Mathematics
PRESENT BASIC PAY	8500/-
DATE OF BIRTH	11-05-1992
DATE OF JOINING	21.07.2014
PRESENT ADDRESS	REMUNA DEGREE COLLEGE, REMUNA, BALASORE, PIN- 756019
PERMANENT ADDRESS	AT-Achyutapur, PO- Naraharipur,Via-Remuna, DIST- Balasore, PIN-756019
SEMINAR ATTENDED	02
EXPERIENCE	06 YEAR
E-mail ID	<u>s.ray.pinky@gmail.com</u>
CONTACT	+919658153707

SEMINAR (INTERNATIONAL/NATIONAL/STATE) ATTENDED

SI. N.	Nature: Seminar/ Conference	Organizing Institutions	Period	Topic	Attended/ Presented Paper
01	National Level	IQAC-REMUNA DEGREE COLLEGE ,REMUNA,BALASORE	26.08.2015	"Tools and Techniques to improve Quality in higher Education"	Participated
02	NATIONAL Level	FAKIR MOHAN AUTO COLLEGE, BALASORE	20.03.2015 & 21.03.2015	Some aspects of computational Mathematics	Participated

WEBINAR (INTERNATIONAL/NATIONAL/STATE) ATTENDED

S I. N	Nature: Seminar/ Conference	Organizing Institutions	Period	Торіс	Attended/ Presented Paper
0 1	InterNationa I	KIIT D eemed to be University , Bhubaneswar, india	17 th -20 th Aug 2020	Recent Development s in Number Theory	Participated
02	InterNationa I Level	Raj ku. Goel Institute of Technology,Ghaziabad	Aug 18 , 2020	Introduction and application in wood products Research	Participated
03	InterNATIO NAL Level	FAKIR MOHAN UNIVERSITY, BALASORE	Aug 29,2020	Recent trends in Medical images Processing	Participated

0 4	InterNationa I Level	Department of Mathematical Science, Bodiland University	21 st & 22 nd Aug 2020	Fuzzy & Neutrosophic System	Participated
0 5	InterNationa I	Sri RamaKrishna Institute of technology,Coimbatore	Oct 22 ,2020	Mathematical Modeling Simulation for Societal Need :An integration of Science Technology & Engineering	Participated
0 6	InterNationa I	Upendra Nath college,Soro,Balasore	Nov 11 , 2020		Participated
07	InterNationa I	Nationa Kalyani MahaVidyalaya, Nadia , West Bengal, India		Mathematics in Data Analysis & Internet Security During COVID-19 Pandemic	Participated

BIO-DATA OF FACULTY MEMBER-2



NAME	Mr. Gopinath Das
QUALIFICATION	M.Sc.
SPECIALIZATION	Number Theory and Cryptography
DESIGNATION	Lect. In Mathematics
PRESENT BASIC PAY	7500/-
DATE OF BIRTH	10-04-1996
DATE OF JOINING	
PRESENT ADDRESS	REMUNA DEGREE COLLEGE, REMUNA, BALASORE, PIN-756019
PERMANENT ADDRESS	AT-Nargoda, PO/Via-Irda, DIST-Balasore, PIN-756080
SEMINAR ATTENDED	Nil
EXPERIENCE	3 year
E-mail ID	gopidas125@gmail.com
CONTACT	6370518289

WEBINAR (INTERNATIONAL/NATIONAL/STATE) ATTENDED

SI. N.	Nature: Seminar/ Conference	Organizing Institutions	Period	Topic	Attended/ Presented Paper
01	State Level	E REMUNA DEGREE 26 ¹ Aug COLLEGE, REMUNA, 2020 BALASORE		New normal and higher education	Participated
02	NATIONL Level	IQAC, COMMERCE Department Remuna Degree College, Balasore	4 th Dec. 2020	NAAC Related Quality Enhancement Strategies	Participated
03	Internationa I Level	Mathematics, Department Remuna Degree College, Balasore	28 th Nov.2020	Importance of Mathematics in Everyday Life	
04	State Level	Home Science Department Remuna Degree College, Balasore	23.12.2020	Understandin g the value and career opportunities of Home Science Education	Participated

FACULTY DEVELOPMENT PROGRAM ATTENDED

SI. N.	Nature: Conference	Organizing Institutions	Period	Торіс	Attended/ Presented Paper
01	State Level	Bhavan's Center for Communication & management , 9, Kharvel Nagar, Bhubaneswar	22 nd may 2019	Transactional Analysis (TA) For Improving Classroom Effectiveness	Participated

STUDENTS PROFILE

There are 24 Honours seats for +3 degree course. The following is the success rate of the students of the last five years.

Academic	No. of	No.	Categorey of			GENDER		
Session	Seats Availa	of stud	stu	idents	admit	ted	М	F
	ble (Sancti	ent adm	and pursue studies		dies			
	oned Streng th)	itted	GN	OBC	SC	ST		
2016-17	24	16	06	05	02	03	07	09
2017-18	24	13	11	01	01	nil	9	04
2018-19	24	20	12	04	02	Nil	12	06
2019-20	24	20	14	04	01	Nil	14	05
2020-21	24	21	09	07	03	Nil	17	02

ADMISSION DATA

PERFORMANCE OF HONOURS STUDENTS FOR LAST FIVEYEARS

RESULT DATA

Result Analyses for last Three Years

Year	Appear	1st Class	2nd Class	3 rd class	Fail	Dropout	Total
2019	16	3	10	2	01	NIL	16
2020	13	6	2	5	NIL	NIL	13
2021	14	9	4	NIL	NIL	5	18

CURRICULUM

The curriculum of +3 Honors courses as well as elective is taught by the faculty members of the department as per the syllabus prescribed by Fakir Mohan University.

CORE COURSE Syllabus for Session 2016-19

Semester Paper		Course Name	Credit	Total marks
	AECC I	MIL(O/H/E/U)	4	100
	Core I (Theory)	Calculus-1	4+2	75
	Core II (Theory)	Algebra-1	6	75
Semester-	GE 1 (Theory)	Calculus and ODE	6	75
	AECC 2	EVS	4	100
	Core III (Theory)	Real Analysis (Analysis-1)	6	75
	Core IV (Theory)	Differential Equation	4+2	75
Semester-	I GE II (Theory)	Linear Algebra advance Algebra	6	75
	Core V (Theory)	Analysis-II	6	75
	Core VI (Theory)	Algebra –II	6	75
	Core VII (Theory)	PDE And System of ODE	4+2	75
Semester-	SEC 1	ENGLISH	4	100
III	GE III (Theory)	Calculus and ODE	4	75
SEMESTE R –IV	Core VIII	Numerical Method	4+2	100
	Core IX (Theory)	Analysis-III	6	75
	Core X (Theory)	Algebra-III	6	75
	SEC 2	Logic and Sets	4	100
	GE IV (Theory)	Linear Algebra And Advance Algebra	6	100
	Core XI (Theory)	Multivariate Calculus	6	100
	Core XI (Practical)		2	25

Semester	Core XII (Theory) Probability and Statistics		6	100
	DSE I (Theory)	Programming in C++	4+2	100
-V	DSE II (Theory)	Discrete Mathematics	6	100
	DSE II (Practical)		2	25
	Core XIII (Theory)	Metric Space And Complex Analysis	6	100
	Core XIV (Theory)	Linear Programming	6	100
Semest or VI	DSE III (Theory)	Differential Geometry	6	100
	DSE IV	PROJECT	2	100

CORE COURSES <u>Syllabus from session 2019-20 till Now</u>

Course structure of UG Mathematics Honours	Course Name	Credits (Theory +Practic	Total marks
Semester – I		al)	
AECC-1	MIL(O/H/E/U)	6	100
C-I	Calculus	4+2	100
C-II	Discrete Mathematics	6	100
GE-I –p1	Calculus and Differential	6	100
Semester-II			
AECC-2	EVS	6	100
C-III	Real Analysis	6	100
C-IV	Differential Equation	4+2	100
GE-I-p-2	Algebra	6	100
Semester –III		1	
C-V	Theory of Real Function	6	100
C-VI	Group Theory -1	6	100
C-VII	Partial Differential Equations and system of ODEs	4+2	100
GE-II-p-1	Calculus and Differential Equation	6	100
SEC-I	QALT	4	100
Semester –IV C-VIII	Numerical Methods and Scientific Computing	4+2	100
C-IX	Topology of Metric Spaces	6	100
C-X	Ring Theory	6	100
GE-II-p-2	Algebra	6	100
SEC-II	DACA	4	100
Semester-V CC-XI	Multivariable Calculus	6	100
CC-XII	Linear Algebra	6	100
DSE-1	Linear Programming	6	100
DSE-2	Probability and Statistics	6	100
Semester –VI CC-XIII	Complex Analysis	6	100
CC-XIV	Group Theory -2	6	100
DSE-3	Differential Geometry	6	100
DSE-4	Number theory/Project	6	100

COURSE OUT COME OF MATHEMATICS

Department of Mathematics				
Course Specific Outcome				
	Paper	Name of the		
Semester	/Course	Paper/Corse	Course Outcome	
			Gain proficiency in calculus computation and solve application problems in a variety of settings ranging from physics and	
	CC-1	Calculus	biology to business and economics	
Semester1	CC-2	Discrete	An ability to apply knowledge of computing and mathematical foundations, algorithm principles, and computer science theory to the modelling and design of	
		IVIALITEITIALIUS	Us 1 standard system.	
	GE-1	CALCULUS AND DIFFERENTIAL EQUATIONS	the derivative and the definite integral as expressed in both parts of the fundamental theorem of calculus.	
	CC-3	Real Analysis	Demonstrate an understanding of limits and how they are used in sequences, series, differentiation and integrations.	
Semester2	CC-4	Differential	Learn the concept of differential equation classify the differential equation with respect to their order and linearity. Learn the meaning of salutation of differential equation also known existence and uniqueness	
	<u> </u>	equations	Niowi existence and uniqueness.	
	GE-2	ALGEBRA	appreciate some of the uses of algebra. Collect like terms and simplify	
Semester3	CC-5	Theory of Real functions	Lear Fundamental properties of the real numbers that lead to the formal development of real analysis	

			Understand and use the term
			homomorphism and isomorphism also
			use the concept of conjugation.
			Derive the existence of groups of a
	CC-6	Group Theory-I	specified small order.
		Partial differential	By using partial differential equation
		equations and	can solve modelling, the general
		system of ODEs	structures of solution analytic and
	CC-7		
			numerical methods for solution.
			Will able to reason, model and draw
			conclusion or make decision with
			mathematical, statistical and
			quantitative information. Also will be
			able to critique and evaluate
			quantitative arguments that utilize
		Quantitative and	mathematical, statistical and
	SEC-1	Logical Thinking	quantitative information.
			Derive numerical methods for various
			mathematical operations and tasks,
			such as interpolations, differentiation,
			integration, the solutions of linear and
		Numerical	nonlinear equations and the solution
		Methods and	of differential equations. Analyse and
		Scientific	evaluate the accuracy of common
	CC-8	Computing	numerical methods.
			Demonstrate an understanding of the
Compared and			concepts of matric spaces and
Semester4			topological spaces, and their role in
			mathematics known about
		Topology of Metric	completeness, connectedness and
	CC-9	spaces	convergence within this structures
			Validate and critically assess a
			mathematical proof; use a
			combination of theoretical knowledge
			and independent mathematical
			thinking to investigate questions in
	CC-10	Ring Theory	ring theory and to construct proofs

1			
			Demonstrate a basic understanding of
			computer hardware and software.
			Demonstrate problem solving skills.
			Apply logical skills to programming in
			a variety of languages. Utilize web
			technologies. Present conclusions
		Data Analysis and	effectively, orally and in writing.
		Computer	Demonstrate basic understanding of
	SEC-2	Application	network principles.
Semester5			Will know many different ways of
			representing functions of several
			variables including algebraic
		Multivariable	formulas, graphs, contour diagrams,
	CC-11	Calculus	cross sections, and numerical tables
	CC_{-12}		Explain the concept of base and
			dimension of a vector space
			proparties of vectors on the base row
		Lincar Algobra	and column space
		Linear Aigeora	and column space.
			Able to know quantitative methods
			used in decision making, explain the
			applications, constructs linear
		Linear	programming models, known
	DSE-1	Programming	transportation model.
			Demonstrate the concepts of factorial
			and the basic principal of counting,
			known permutation, combination and
		Probability and	Binomial theorem known the concept
	DSE-2	Statistics	of a random event.
			Define the concepts of derivation of
			analytic functions. Define the concept
			of sequences and series of the
			complex functions known concepts of
			convergence sequences and series of
	CC-13	Complex analysis	the complex function.
			Precise and accurate and
Semester6			mathematical objects in ring theory
			Known irreducibility of higher degree
			polynomial over rings Use
			combination of theoretical knowledge
			and independent methometical
			thinking to investigate questions
	00.14	Croup Theory II	uninking to investigate questions in
1	CC-14	Group Theory-II	ring theory.

		Analyse the equivalence of two
		curves by applying some theorems
		express definition and
		parameterization of surfaces. Express
		tangent spaces of surfaces. Explain
	Differential	different maps between surfaces and
DSE-3	Geometry	find derivatives of such maps
		Understand the foundations of
		mathematics. Be able to perform basic
		computations in higher mathematics.
		Develop and maintain problem
		solving skills. Be able to write and
		understand basic proofs. Have
		experience using technology to
DSE-4	Project	address mathematical ideas.

Opportunities

Scope after B.Sc. in Mathematics

• The field of Mathematics is of great importance in our day to day life. It is commonly referred to as 'The Science of Matter' .Once a candidate comes out successfully as a degree holder in B.Sc. Mathematics they have various options for the future. He can grab a job with that degree or he can go for higher studies which will improve their educational qualification or he can choose any short term or long term certification courses. Both public sector and private sector organizations demand such up coming young talents.

Job opportunities after B.Sc. Mathematics

• There are various fields where a B.Sc. mathematics graduate can utilize their talents. Some of the areas that offer jobs for a B.Sc. degree holder include the following:

Top Job Opportunities in Mathematics

- Mathematics best job opportunities are available in the following disciplines.
- Operation research analyst
- Chartered accountant
- Software engineers
- Teaching
- Computer system analyst
- Banks
- Mathematician
- Indian Civil Services
- There are various job opportunities available for a B.Sc. degree holder in both public sector & private sector organizations. In this developing era the need of such talents is also on the rise.
- Some of the public sector firms which offer job opportunities are:
- Bharath petroleum
- Indian Oil Corporation
- Government colleges
- Indian Railway sector
- Some of the job profiles for a B.Sc. degree holder in various areas include
- Lecturer
- Technical Writer/Editor
- Research Associate
- Researcher
- Radiologist
- Scientist
- Teacher

Innovative Teaching Methods

- Departmental Seminar
- Chalk and talk method

- Technology aided lectures, demonstration, group discussions and educational tours, project works.
- •
- Participation in Institutional Social Responsibility (ISR) Extension activities:
- Practical methods are explained by virtually.
- ICT TOOLs (Projector with interactive whiteboards ,PPT, Prints ,audio-video tapes ,CDs, Question bank).
- Study Tour
- Other E-resources and techniques used in teaching E- Library, E-journal, E-books.
- Proctorial Classes
- Slow learner and advance learner
- Unit Test

DEPARTMENTAL SEMINAR / WEBINAR

The Departmental seminar is central to the academic life of the Department. The Seminar offer an opportunity to get acquainted with

and discuss the ongoing research conducted by Professors, Doctoral students and invited guests. Here is what I have come up :

1.A Seminar builds social and intellectual relationships and often sparks the serendipitous conversations that generate new ideas.

2.We want our graduate students to learn how to give good presentations .

3.We want our graduate students to have breadth of knowledge to complement the depth they gain from their own research. Attending good seminar is one way to get that breadth.

S 1.	Date of Seminar	Class	Name of		No of	No of
No.			Resource	Topic	Student	Student
			person	Name	attend	Participant
01	25.11.2016	1 st yr	Dr.DebaBijay Mishra & Mr. Dhirendra Kumar Jena	Dealing in Statistics in secondary School	16	nil
02	11.10.2017	1 st yr , 2 nd yr	Asst.Prof.Dillip ku. Ghosh	Dihedral Group	29	Nil
03	04.10.2018	1 st yr , 2 nd yr &3 rd yr	Mr.Manoj ku. Mahanty	Differential Equation and its application	40	Nil
04	10.09.2019	1 st yr , 2 nd yr & 3 rd yr	Prof.Nrusingh Charan ojha	Matrix to linear Algebra and its application	42	03
05	21.12.2021	1 st yr , 2 nd yr & 3 rd yr	Dr. Himansu Kumar Samal	"Software Tolls For UG Students"	40	04

Seminar organized by the department

SEMINAR PHOTOS



Year- 2019



Year-2018



Year-2017



Year- 2016

Webinar organized by the department

The Department of Mathematics, Remuna Degree College, Remuna, Balasore in association with IQAC conducted an International level Webinar on "Importance of Mathematics in Every Day Life" for the students, Research Scholars, teaching Faculties with the kind support and guidance of Principal Mrs. Jayanti Nayak on Dt.28.Nov. 2020(Saturday) From 2.30 pm to 5.00pm. 1st session was presented by eminent Chief Speaker Dr. Sridhar Nayak, Asso. Prof. Disaster Prevention Research Institute Kyoto Univ. Japan and 2nd session was presented by esteemed speaker Dr. Minati Mishra, Asst. Prof., Department of ICT, F.M. University, Balasore Odisha. About 99 Participants joined through the Google meet about 300 participants joined through YouTube link. At the end of the session about

300 feedback Reponses were recorded and E-Certificate Provided to all the participants

year	Date	Nature of Webinar	Name of Resource Person	Торіс	No of Participants
		International	Dr. Sridhar Navak	"Importance	About 400
2020	28.11.2020		INAYAK		
			&	Mathematics	
				In Every Day	
			Dr. Minati	Life"	
			Mishra		

WEBINAR PHOTOS





GROUP DISCUSSION

In a Group Discussion, the teacher and all the students work on a specific content together ,using one another's ideas. The purpose of discussion are to be build collective knowledge and capability in relation to specific instructional goals and to allow students to practice listening ,speaking and interpreting .The teacher and a wide range of students contribute orally, listen actively and respond to and learn from others' contribution.

In a group discussion about Mathematics, the teacher supports students to individually and collectively engage in sense-making about rich mathematical content. A mathematics discussion can provide opportunities for students learn ,practice and refine habits of mind .



FACILITIES AVAILABLE IN THE DEPARTMENT

Facilities

Library Facility

The college library is very well equipped with textbooks and reference books which the students can issue. The library also subscribes to numerous journals and newspapers for the students. There is also a departmental library and Department have a information board







Januganj, Odisha, India Unnamed Road, Januganj Rd, Kalidaspur, Balia, Januganj, Odisha 756019, India Lat 21.518375° Long 86.878111° 24/12/21 12:46 PM

GPS Map Camera

Computer Center

The College provides computer facilities with internet available for the students.



<u>Wi-Fi</u>

The college provides a Wi-Fi facility for those who work on laptop computers, there is space provided for availing Wi-Fi services.

READING ROOM FACILITY

The college provides reading room facilities with internet available for the students.

Participate in Institutional Social Responsibility (ISR) and Extension activities.

EXTENSION ACTIVITIES

Our department has a healthy tradition in organizing a number of activities outside the course curriculum.

Celebration and observation

In our department the students celebrate Lord Ganesh Puja, Sara Swati puja with religious fervor and National days like Teachers Day during the academic year. All the students participated in the celebrations under the guidance of the faculty.

Picnic and field tours

The department also organizes students field tours. By visiting new places and meeting people the students get acquire knowledge on various fields and enrich their personal experiences. The mental horizon of the students gets widened as well. They also get practical experiences and develop self confidence.

> NSS

The students of our college have been volunteers of National Service Scheme. They have participated in various camps and proved their excellence.

> RED CROSS

Our students have been volunteers of Youth Red Cross and they have participated in various training camps per year .

> Other achievements

Students Achievement

• The students of the department are free to interact with the teachers in academic and matters related to the development of their personality. In academic field the students of this department have brought glory by securing marks in mathematics in the University in final degree exams.

Other activities of the Department

• The department looks care of the students in the subjects taught. For slow learners the faculty members pay special attention and care in extra classes for better understanding.

Best Practice of the department

Faculty members and resource person are also providing counseling to the students .

• Career counseling.

Departmental Activities At a Glance

1.ICT enabled tools

Department Faculty Uses Projector with Interactive White Boards PPT, Pdf, Audio-Video Taps, CDs, Question bank, Google meet, Google Class room, Departmental whatsapp Group, Departmental Mail Id for strengthening teaching Learning Process



(ICT Clasess)



(Online Classes through Google Meet)



(Study Material through Google class Room)

2. Slow and Advance Learner

The institute is very careful not create in students any psychological division and labeling them as particular type of learners. However, it is our of general intelligence of students. Teachers make a close observation of students learning style. So the Department identify Slow and advanced learner on the basis of students performance







3. Proctorial Class

Proctorial class has been introduce for Developing intimate relationship between the student and teachers for timely guidance and advice in Academic and other matters. Students are entrusted to a teacher Whom



(Proctorial Class)

4. <u>NCC</u>

The students of our department have been volunteers of National Cadet Crops. They have participated and proved their Excellence



5. NSS

The students of our college have been volunteers of National Service Scheme. They have participated in various camps and proved their excellence.



6. <u>YRC</u>

Our students have been volunteers of Youth Red Cross and they have participated in various training camps per year.



7. Career Counseling

Student attending career counseling programme organized by our college.





8. Students participating CTTC programme under PMKVY (Mobile repair technician)



9. <u>Study Tour</u>

Student visiting Digha Science Museum



10. <u>Medha Samman</u>

Year-2019



Year-2020



Year-2021



SWOC analysis of the department and Future plans

Strength:

- Highly dedicated staff.
- Well equipped Library.

Weakness:

Lack of support staff

Opportunity:

- Preparing Students for various entrance exam.
- Preparing Students to get job in various factories and chemical lab.

Challenges:

 To motivates students master degree course and to score good rank in National Level Exam.

Future plan

- Procure latest Mathematics books for Departmental library.
- The power point Lectures will be available in the department website for the student.
- Advanced Study tour
- Organization of Refresher Courses
- More focus on Student's Personality Development and extracurricular activities to make them employable
- Organize more seminars