

## Programme Outcome:

The institute offers two academic programmes:

- 1) UG courses: B.A.(Hons. & Gen.), B.Sc.(Hons. & Gen.), B.Com.(Hons. & Gen.), B.Voc.
- 2) PG courses: M.A., M.Sc.

UG courses enhance the ability of the students in respect of sense of literature, cultural aspects, politics, history, ethical qualities, scientific skill both in theory and practical. In UG-Honours Courses, the students acquire in depth knowledge of the respective subjects and in UG-General courses, a more generalized picture of a subject is presented. Thus the UG programmes nourish the basic knowledge of a student and promote them for future studies or in some cases, helps to secure jobs in different era.

PG programmes in arts and science enrich the knowledge gained by a student at UG level. In this course, they get a complete idea about their respective subjects and in future they can prove themselves in the fields of research. This also smoothens the way of getting jobs of their choice.

## Programme Specific Outcome

### **B.A. (Hons. & Gen.):**

In the B.A. Honours course, students gain a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages while in B.A. General course, a more generalized knowledge is delivered to the students. This programme nurtures the critical and analytical skills of the students for the identification and resolution of problems within complex changing social contexts. Students choosing this programme develop social, political, historic, economic and literary consciousness. In the three-year duration, they will cultivate the sensibility to distinguish the evolution of civilizations and cultures. They will also be familiar with contemporary developments. At the end of the programme, the students usually will have advanced reading, writing, speaking, interpretive and composition skills in Bengali and English languages. On graduating, the students will be eligible for employment in non-governmental organizations, media. Their skills in comprehension of general social phenomena around them place them in ideal situation for such jobs. They will also be able to appear for competitive examinations conducted for public sector jobs.

### **B.Sc. (Hons. & Gen.):**

This course helps to grow intense theoretical as well as practical knowledge about different subject areas. This course forms the basis of science for logical understanding of the academic field to pursue multi and interdisciplinary science careers in future. The laboratory based knowledge increase the ability of the students to plan and execute experiments or investigations, analyze and interpret data information. It helps to develop scientific mind and thus can prove to be more useful for the society as the scientific developments can make a nation or society to grow at a rapidly through research and technological development. Thus after completion of the course the students can think critically, follow innovative methods and developments in science and technology.

### **B.Com. (Hons. & Gen.):**

In this programme, the students would gain a thorough knowledge in the fundamentals of Commerce and Finance. Students will be able to give idea about learning of various tax related issues to individuals. Learners will be able to recognize features and roles of businessmen, entrepreneur, managers, and consultant of specialized fields.

### **B.Voc.:**

In this course, students are prepared for specific jobs in various sectors in professional organization. The program outcomes are the skills and knowledge which the students gain on the

completion of graduation. Students with vocational training can find work in different government organizations, academic institutions and in private sectors as well.

**M.A.(Bengali):**

This course will enable students to have a comprehensive understanding of the history of Bengali literature, its socio-political background, important literary movements, concepts and practices of literary studies, and basic skill for research writing. It is expected that the course will develop the knowledge and skill base for the student to pursue further research in the field.

## Course Outcome

### Core courses-

- **Bengali:** On the successful completion of the course, the students will gather accurate knowledge of verbal and written communication in the studied language. They can apply their thinking to analyse the linguistic, cultural and historical background of texts written in Bengali. They will be familiar with the connections of diverse textual genres including fiction, non – fiction, poetry, autobiography, biography, journal, film, plays editorials etc.
- **English:** This course will make the learners familiar with the minute histories of English literary tradition and the cultural heritage of English society so that they may be equipped to appreciate literary works across the ages. In this course, the students will learn to read, analyze and interpret works of literature in English and comprehend various genres like prose, poetry, drama and fiction. They would also be acquainted with various literary theories and criticism. A part from the core subject English, the Students become acquainted with G.E comprising of Academic writing and composition, Media & Communication skill, Contemporary India: Women & Empowerment and Environment & Literature. AECC having Bengali and Envs and SEC holding soft skill and creative writing. Finally DSE Consisting of Nineteenth Century European realism, World literature, Science fiction & Detective literature, and Partition Literature.
- **History:** On the completion of the course, the students acquire knowledge about the socio-cultural heritage of India and world as well. This course helps to grow intellectual values among students and to develop liberal values among them. Since it is a branch of social science, this course helps to promote social values among learners. Students will be familiar with multiple cultures. They will gather the skill to employ a full range of techniques and methods used to gain historical knowledge. Students of history subject have enough command. Besides they also be updated on G. E supporting issues like Theories of the Modern State, Science and Empire, Some Perspectives in Women’s right in India and Gender and education in India. On AECC forming Bengali and ENVS, on SEC comprising in subjects like Literature & History: Bengal and Making of Indian Foreign Policy and on DSE Modern Transformation, Pre-colonial South East Asia, Russian Revolution and China and Japan.
- **Geography:** This course will help the students to understand the concept of space and place and how these are correlated with the physical environment, landscape and culture. Students will learn the variety of social and cultural system prevailing on different parts of the world. On the completion of the course, the students will have the beautiful ability to prepare the maps and interpret a lot of information about the socio-economic and cultural aspects around the world. Along with acquiring knowledge on Core Subject Geography students become well - enriched with G. E having Disaster management, Geospatial technology, Rural development, and Regional development, AECC possessing Bengali and ENVS, SEC forming Coastal Management, Advanced Spatial statistical techniques and DSE Consisting of Hydrology & Oceanography, Resource Geography, Urban Geography And Soil & biogeography.

- **Sanskrit:** In this course, the students will acquire knowledge of the major traditions of literatures written in Sanskrit. This course will grow the ability of students in translation of Sanskrit literature into Bengali and vice-versa. Learners will gain the skillful ability to apply relevant theoretical perspectives to topics within the field of ancient Indian religion, literature and history. Students holding Sanskrit on their core Subjects their gets mostly benefaction on G.E section containing Subjects like Basic Sanskrit, Sanskrit and other Modern Indian languages, Fundamentals of Indian Philosophy, Basic Principles of Indian Medicine system (Ayer Veda), Political Thoughts in Sanskrit and Sanskrit meter and music , on SEC having subjects like Acting and script writings, Computer awareness for Sanskrit, Sanskrit meter and music, Basic elements of Jyotisha and Basic elements of Ayurveda and finally on DSC/DSE supporting subjects like Sanskrit poetry, Sanskrit prose, Sanskrit drama and Sanskrit grammar.
- **Sociology:** On the completion of the course, the students will be endowed with the understanding of the different aspects of human social behavior, social dynamics of communities, institutions, and entire societies. The course helps to develop in students the sociological knowledge and skills that will enable them to think critically and imaginatively about society and social issues. This course also provides an intellectual background for learners considering careers in the professions or business in future. Beyond acquiring knowledge on Sociology students become knowledgeable on G.E. touching subjects like Indian Society Image and Realities, Gender and violence, Sociology of Social Movements and Population Studies, AECC Supporting contents like Bengali and ENVIS, SEC having events like Statistical Reasoning for Sociology and Framing questionnaire and conducting Interview. DSE attracting several issues like Urban Sociology, Environmental Sociology, Field work and Dissertation and Indian Sociological Traditions.
- **Philosophy:** Philosophical training is intrinsically valuable, and an essential component of any University. It is also extrinsically valuable, teaching students the skills they need to develop, establish, reconstruct, and evaluate arguments in any field or endeavor. Philosophical training also helps students seek general explanatory principles, reflect upon what really matters, look for alternatives to widely-accepted views, and learn to distinguish what is significant from what is not. Philosophy students are expected to express their ideas and arguments in written form, and learn to improve their analytical writing skills. Philosophical discussions in the classroom are expected to foster listening and speaking skills and to provide practice at exploring, defending, and constructively criticizing ideas and claims with others. Students also become familiar with some of the major figures and schools of thought in the intellectual tradition, and develop an appetite for further study and learning. Students who are adept in philosophy as their core subjects are also be improved on G.E. containing subject like Western logic, Philosophy of mind, Theory of inference in Nyana, Termination of life and ethics, Western philosophy and Philosophy of mind, as SEC having matters of Logical reasoning and its application, Ethics in practice, Philosophy in practice, Value education, Philosophical analysis, Philosophy of human rights. and also subjects like Indian philosophy, Logic, Western philosophy, Philosophy of

religion, Contemporary Indian philosophy and Tarkasangraha with Dipika (Saptapadārtha) undertaken by DSC / DSE.

- **Political Science:** On the completion of the course, the students gain knowledge about Politics. They become well familiar with the Constitution, Political parties. They also gain knowledge about fundamental Rights and Duties as a citizen of India. They will also have an in-depth learning about the ministry of the nation. This course will grow immense interest and deep knowledge about Judiciary system of India and the composition and Function of Supreme Court and this court is the Protector of the Constitution and Fundamental Rights. A part from accumulating knowledge on political Science students get enough knowledge on G.E. containing several issues like Nationalism in India, Governance issue and challenges, United Nation and Global Conflict, United nation and Global conflict, Nationalism in India, Gandhi and Contemporary World, on SEC having several subjects like Public opinion and survey research, Legislative Support, Public opinion and survey research, Conflict and Peace building, Democratic awareness with legal literacy and also matters on several issues like Introduction to political theory, Understanding globalization, Comparative Govt. and politics, Introduction to International relation, Indian Foreign policy on a globalism world, United Nation and global conflict, Democracy and Governance, Women power and politics, Indian Govt. and politics as provided by DSC/DSE.
- **Defence Studies:** This course deals with the various issues concerning with internal security, national security, strategic defence and various other pertaining issues having import and to maintain the peace sovereignty and integrity of our nation. Being a multi-disciplinary subject, the students after completing this course will avail the scope of employment not only in military or defence related sector but also it will open up a new era for various research works in the field of strategic defence, international relations and bilateral understanding between the nations.
- **Music:** On completion of the course, the students will be able to distinguish and analyze music according to historical, cultural, and stylistic contexts, and to address culture and history from diverse perspectives. They will be able to apply relevant forms of music technology, including their basic functions and integrative nature.
- **Physics:** This course will be helpful for the learners to understand the cause of different natural phenomena through understanding the core of physics, including practical knowledge, enabling them to prepare for both the theoretical and practical aspects. This course will promote the students to deal with the problems of day to day life by correlating them with suitable physical principles. The students will also gather knowledge and potential skill in scientific enquiry, problem solving and techniques adopted in the laboratory using experimental, computational, and/or theoretical method governed by the basic laws of physics. Besides gaining knowledge on Physics as their core subject students become familiar with G.E having contents like Elements of modern Physics, Thermal Physics and Statistical Mechanics and Solid state Physics. AECC forming with English and ENVS. SEC consisting of Electrical circuits and network skills and Renewable

energy & energy harvesting and DSE holding contents with like Classical dynamics, Nuclear and Particle Physics, Communication electronics and Digital signal processing.

- **Chemistry:** This course is aimed to grow the ability among the students to explain chemical structure, reactivity, and function in their specific field of chemistry. The design and execution of the laboratory experiment enriches the understanding of good laboratory and the proper handling of chemical waste streams and also explain how the applications of Chemistry relates to the real world. Students will be able to apply critical thinking and the scientific method to design, carry out, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the real life world.

In addition to attaining knowledge Chemistry Students be updated on G.E having Physics and Mathematics, AECC holding English/Bengali and ENVIS , SEC forming Analytical Clinical Biochemistry/ Pharmaceutical Chemistry and Basic analytical Chemistry/Chemistry of cosmetics and perfumes /Pesticides Chemistry/ Fuel Chemistry. and DSE Carrying Contents like Advanced Physical Chemistry, Analytical Methods in Chemistry/ Instrumental methods of chemical analysis, Green Chemistry/Inorganic Materials of Industrial importance and Polymer Chemistry.

- **Mathematics:** On completion of the course, the learners will gather in-depth knowledge in the core of mathematics which will be helpful to solve critical problems by deep thinking and analysis. The beauty of this course is that the students will gather enough knowledge regarding this course that can find potential application in the other branches of science. This course will also promote the proficiency in the students to solve complex analytical and numerical problems by applying appropriate mathematical concepts and thus make them good candidates for the research in future. By studying mathematics students do not get knowledge on mathematics only but also on similar other subjects in G.E. Like Calculus, Geometry & differential equation, Algebra, Differential Equations & Vector Calculus and Group Theory. In AECC like Bengali and ENVIS and in SEC Logic & Sets and Graph Theory and other contents like Linear Programming, Mathematics Modeling, Mechanics. And Probability & Statistics is in DSE.
- **Botany:** In this course, the learners will be able to gather concepts on the topics of microbiology, cytology, and genetics, plant Biotechnology, angiosperm and thus be able to apply this knowledge to analyze a broad range of different phenomenon which will promote them for further higher studies. They will also have the knowledge about the nature and basic concept of Diversity of lower and higher plants, Applied Botany, Cytogenetic and identify & classify the plant that occurs locally. Thus on completion of this course, it will develop the idea of a student about an understanding of the impact of botany and science on society and develop respect for conservation of environment. Being a core subject the knowledge on Botany is well embraced by the students. Still, they became well known with GE subject like Physiology and Zoology, SEC related programmes like Bio-fertilizer and Mushroom Culture technology and finally contents like Bio-statistics, Plant breeding, Analytical techniques in plant sciences and Industrial and environmental microbiology by DSE.
- **Zoology:** On successful completion of the course, the students are enriched with the concepts of Zoology, including the diversity of life forms, the origin of life and the different

ecological concepts. In this course the students will also gather the concepts of cell biology, immunology, molecular biology, genetics, biochemistry, developmental biology and physiology. Field studies and excursion impose concepts of teamwork as well as life on the outdoors. A part from zoology gaining knowledge on zoology, students become familiar with other students like G.E Physiology and Botany, AECC touching English/Bengali and ENVS, SEC keeping issues like Apiculture and Sericulture and family having a touch of items like Fish& fisheries, Animal biotechnology, Endocrinology and Biology of insects by DSE.

- **Physiology:** This course helps the students to study of how living systems function, from the molecular and cellular level to the systems level. The students can apply the principles of physiology to explain key concepts, including mechanisms of maintenance of homeostasis by physiologic control systems, mechanisms of communication among cells and organs, properties that influence movement of substances across living membranes, and relationships of cell and organ structure to function.
- **Nutrition:** After completion of this course, the students can apply their knowledge of the physical and biological sciences to the function (role) of nutrients in metabolic processes. They will be able to determine the rationale for dietary recommendations within the contexts of nutrition policy and research. Moreover, they would have the knowledge of prediction of how nutrition affects disease risk and processes and this will be beneficiary for the society. Students getting enough knowledge on nutrition as their core subject gets saturated with having Basic human Nutrition, Food science, Family meal management or dietetics and counseling and Community Nutrition and nutritional programme in GE. AECC forming Bengali and ENVS, SEC supporting issues like Bio-statistics and bio-informatics. And Women health and nutrition and finally maintaining issues like Food sanitation, food hygiene, Bakery technology and mushroom culture, Geriatric Nutrition and Quality control and food standard through DSE.
- **Aquaculture Management:** Students graduating in Aquaculture management will be motivated for higher studies and involved in research program in fisheries sector and will be trained to achieve in competitive exams and will be trained to become entrepreneurship and make use of government and non-government job opportunities. Students will be made fully skilled in Aquaculture management with respect to aquaculture, fisheries management, formulating policies and making crucial developments in fisheries sector/ fishing community. The students will be able to learn about the basics of taxonomy of fresh water and marine water fishes starting from lower trophic level to higher trophic level organisms. Also will be able select the species which are feasible for fresh water brackish water and coastal or marine water aquaculture. Impart the complete knowledge about the fundamentals of Fisheries Sciences including the Farm Engineering, Biology of Cultivable Species and Marketing techniques. Finally generation of economic wealth. Besides getting well & Proper knowledge on Aqua Management students also be updated with AECC holding English and ENVS, With SEC forming subjects like Ornamental Fish Production and Aquarium Management, Breeding and Hatchery Management of Carp /catfish /prawn and with DSE possessing contents like Fisheries biotechnology, bioinformatics& statistics, Post harvest technology & quality asset. And Project /Training work.



- Industrial Fish & Fishery:** The department of Industrial Fish and Fisheries (IFF) is one of the oldest and renowned Dept. Under Vidyasagar University in fishery sector. The department has crossed around 28 years of its academic journey. Most of graduate students have recruited in different corporate jobs including Government sectors or they have completed their Masters degree from different recognised University. The course is semester mode of teaching which includes: class teaching, laboratory work, dissertation work/project work/ training work, field study and internal assessment. The placement records of last five years showed that the students were getting absorbed in various national and multinational companies along with the Govt. sectors. IFF Students are not only enriched with the IFF on their core Subject but be saturated with knowledge on G.E having subjects like Botany and Zoology. On AECC containing English and ENVS, on SEC having Contents like Indigenous Traditional knowledge in Fisheries, Fisheries planning, policy and laws and finally on DSE possessing issues like Post harvest technology, Quality assurance of fishery products, Fish microbiology and public health fishery and Entrepreneurship development.
- Hospitality & tourism management:** In this course, the learners gather skill-based as well as theoretical concept about the subject. The practical classes play a crucial role since it will facilitate the student to demonstrate all the skills which are required to be possessed by efficient hotel employees. The course module develops the concepts of travel & tourism and trends of tourism industry in India in general & West Bengal in particular, Economic, social and environmental impact of tourism industry, soft skills, inputs on safety, personal hygiene, disaster management, emergency procedures, hotel management and accounting, entrepreneurship and personality development and environment friendly procedures among the students and thus making them interested in the fields of this subject.

**Fishery & Farm Management:** Keeping in tune with the goals and objectives set by Ramnagar College, the Mission and Vision of introducing these courses is to build up skilled/trained manpower in the field of Fishery and other allied industries. In doing the same, the college focuses on the following: To provide the students of the locality as well as from the outside a quality education based on adequate practical exposure both within the campus and the outside, especially in reputed institutions within and outside the state of West Bengal. To provide support and services to the students so that, after completing the course, they would really be a developed human resources that our country demands at present. To assist students in finding job through Campus Recruitment.