

# Gobardanga Hindu College

## Course Outcomes

### Department of JOURNALISM & MASS COMMUNICATION

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Joracor01t: introduction to journalism	Acquires introductory knowledge on journalism
2	1st Semester	Joracor02t:introduction to media and communication	Acquires introductory knowledge on media and communication
3	1st Semester	Jorhgec01t: basics of journalism	Acquires introductory knowledge on basics of journalism
4	2nd Semester	Joracor03t:reporting and editing for print	Acquires knowledge on reporting and editing for print
5	2nd Semester	Joracor04t:media and cultural studies	Acquires knowledge on media and cultural studies
6	2nd Semester	Jorhgec02t: photography	Acquires knowledge on photography
7	3rd Semester	Joracor05t: introduction to broadcast media	Acquires knowledge on broadcast media
8	3rd Semester	Joracor06t:history of the media	Acquires knowledge on media history
9	3rd Semester	Joracor07t:advertising and public relations	Acquires knowledge on advertising and public relations
10	3rd Semester	Jorhgec03t : film appreciation	Acquires knowledge on appreciation of films
11	3rd Semester	Jorssec01m:radio production	Acquires knowledge on radio production
12	4th Semester	Joracor08t:introduction to new media	Acquires knowledge on new media
13	4th Semester	Joracor09t: development communication	Acquires knowledge on development communication
14	4th Semester	Joracor10t:media ethics and the law	Acquires knowledge on media ethics and the law
15	4th Semester	Jorhgec04t:introduction to documentary	Acquires knowledge on documentary
16	4th Semester	Jorssec02m: documentary production	Acquires knowledge on documentary production
17	5th Semester	Joracor11t: global media and politics	Acquires knowledge on global media and politics
18	5th Semester	Joracor12t: advanced broadcast media	Acquires knowledge on advanced broadcast media
19	5th Semester	Joradse01t: media industry and management	Acquires knowledge on media industry and management
20	5th Semester	Joradse02t: print journalism and production	Acquires knowledge on print journalism and production
21	5th Semester	Joradse03t: photographic appreciation	Acquires knowledge on photographic appreciation
22	6th Semester	Joracor13t : advanced new media	Acquires knowledge on advanced new media
23	6th Semester	Joracor14t : communication research and methods	Acquires knowledge on communication research and methods
24	6th Semester	Joradse04t: media, gender and human rights	Acquires knowledge on media, gender and human rights

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
<b>25</b>	6th Semester	Joradse05t: multimedia journalism	Acquires knowledge on multimedia journalism
<b>26</b>	6th Semester	Joradse06t: introduction to film studies	Acquires knowledge on film studies

# Gobardanga Hindu College

## Program Outcomes

### Department of JOURNALISM & MASS COMMUNICATION

SI No.	PO Master Name
1	To develop the communication skills, theoretical and practical knowledge among the students in print, electronic and new media
2	The Communication and Journalism Department is committed to providing undergraduate students with a quality education in the communication and journalism disciplines that is current, relevant, practical, and personal.
3	Students who graduate will be able to compete successfully for positions at post-graduate courses.
4	Students who graduate in communication will be prepared for entry level positions as professionals within communication-related fields.
5	Students who graduate in journalism will be prepared for entry-level positions as professionals within journalism and related fields.

# Gobardanga Hindu College

## Course Outcomes

### Department of MATHEMATICS

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Core: calculus, geometry; differential equation(mtmacor01t)	Provides the concept and gives the understanding of the basic knowledge regarding limit, higher order derivatives, curve tracing, established reduction formulae, geometry in 2d and 3d and construction of differential equation and solve 1 st order linear and non-linear differential equation. provides the pre-requisite of higher differential equations.
2	1st Semester	Core: algebra(mtmacor02t)	Provides basic concept and applications of various complex numbers, theory of equation, inequality, set theory, relation and mapping. elaborates the basic discussions and some basic concept of linear algebra like rank of matrices, vector space, basis, and dimension. provides the pre-requisite of advanced algebra
3	1st Semester	Ge: differential calculus(mtmhgec01t)	Builds the concept and understanding of the basic knowledge regarding limit and continuity, types of discontinuities, differentiability of functions, successive differentiation, leibnitz's theorem, partial differentiation, euler's theorem on homogeneous functions. gives an insight to tangents and normals, curvature, asymptotes, singular points, tracing of curves. parametric representation of curves and tracing of parametric curves, polar coordinates and tracing of curves in polar coordinates. builds a concept of mean value theorems such as rolle's theorem, lagrange's mean value theorems, taylor's theorem with lagrange's and cauchy's forms of remainder, taylor's series, maclaurin's series of $\sin x$ , $\cos x$ , $e^x$ , $\log(1+x)$ , $(1+x)^n$ . gives an understanding of maxima and minima, indeterminate forms.
4	2nd Semester	Core: real analysis (mtmacor03t)	Adds concept and deep understanding of the fundamentals of various set theory, real number system, point set topology, sequence and series. this will help the student to take up advanced courses on analysis.
5	2nd Semester	Core: differential equation ;vector calculus(mtmacor04t)	Gives learning based concept of and provides solution techniques to 2 nd and higher order linear and non-linear differential equation. get introduced to lipchitz condition, system of linear differential equations, power series solution and stability orbit. gives a pre- requisite to the application of ordinary differential equations. learn and understand basic concept of vectors and their direction, magnitude. get the concept of various kind of vector multiplication, gradient, divergence, curl of a vector, lines and path integration, conservative vector field. provides the pre-requisite of green's, stokes and gauss divergence theorem.
6	2nd Semester	Ge: differential equations(mtmhgec02t)	Gives learning based concept of and provides solution techniques to first and higher order linear differential equation. get introduced to lipchitz condition, system of linear differential equations, power series solution and stability orbit. gives a pre-requisite to the application of ordinary differential equations. aims to elaborate the techniques of classification of second order partial differential equations to different forms.
7	3rd Semester	Core: theory of real functions(mtmacor05t)	Gives a learning based methodology and understanding of the basic knowledge regarding limit of functions, sequential criteria for limits, divergence, continuous function, uniform & non-uniform continuity, rolle's theorem, darbouxs's theorem, mean

Sl No.	Semester	Course Name	Course Outcome
			value theorem, taylor's theorem with lagrange's form, cauchy mean value theorem, taylor's & maclaurin's series. elaborate the concept of functions of single variable and their characteristics.
8	3rd Semester	Core: group theory 1(mtmacor06t)	Adds basic knowledge in order to tackle symmetries of a square, dihedral group, subgroups, centralizer, normalizer, centre of a group, product of two subgroups, cyclic groups, permutation, alternating groups, cosets, lagrange's theorem, external direct product, normal subgroups, cauchy theorem for abelian group, homomorphism, cayley's 40 theorem, isomorphisms. provides the pre-requisite to advanced abstract algebra.
9	3rd Semester	Core: numerical methods (mtmacor07t), numerical method lab(mtmacor07p)	Develops and builds up a concrete knowledge in algorithms, convergence, errors such as relative, absolute, round off, truncation errors. to learn different iterative methods such as bisection method, newton's method, secant method, regula-falsi method, fixed point iteration, newton raphson method. learn about rate of convergence of these methods. learn to solve simultaneous linear equations numerically such as gaussian elimination, gauss jordan methods, gauss jacobi method, gauss seidel method and their convergence analysis, learn about the solution mythology of lagrange and newton's methods. learn about error bounds. finite difference operators, gregory forward and backward difference interpolation, methods based on interpolations, methods based on finite differences, newton cotes formula, trapezoidal rule, simpson's 1/3rd rule, simpson's 3/8th rule. learn about the algebra of eigen value problem: power method, the method of successive approximations, euler's method, the modified euler method, runge-kutta methods of orders two and four. it is useful in and pre-requisite of advanced numerical analysis in postgraduate level. 4 sec: c- programming language mtmssec01m 2 25 gives a learning based programming paradigms, characteristics of object oriented programming languages, brief history of c++, structure of c++ program, differences between c and c++, basic c++ operators, comments, working with variables, enumeration, arrays and pointer, objects, classes, constructor and destructors, friend function, over loading arithmetic operator and comparison operators, template class in c++, copy constructor, subscript and function call operator. the ability to use c-programming to determine roots of quadratic equation, addition, subtraction, multiplication of matrices. 5 ge: real analysis mtmhgec03t 75 provides the concept and solution methodology of sets and their properties, sequences and series and their various examples. it builds the concept of sequence and series of functions. it gives a pre requisite to advanced analysis. 40 semester-iv 1 core: riemann integration and series of functions mtmacor08t 6 75 build and solve inequalities of upper & lower sum, darbox integration & theorem,, riemann integral, riemann integrability of monotone, continuous functions, improper integral, gamma & beta functions, pointwise & uniform convergence of sequence of a functions, theorem for continuity, derivability, intregrability of the limit functions of sequence of a functions, series of functions, cauchy criteria for uniform convergence & weierstrass m-test, fourier series, dirichlet's condition, power series, radius of convergence, cauchy hadamard theorem, abel's theorem, weierstrass approximation theorem. this paper is useful in post-graduate analysis and it is useful in various

Sl No.	Semester	Course Name	Course Outcome
			<p>applied topics in post graduate level. 2 core: multivariate calculus mtmacor09t 6 75 adds basic knowledge and concepts to tackle functions of several variables, limit &amp; continuity of functions of two or more variables, partial differentiation, total differentiability, chain rule, lagrange multipliers, double integration over rectangular region, non-rectangular region, polar co-ordinates, triple integrals, change of variables in double &amp; triple integral, vector field,, divergence &amp; curl, line integrals, application of line theorem. learn the concept and applications of green's theorem, surface integral, stoke's theorem, divergence theorem. gives a deep insight to the concept of functions of several variables 3 core: ring theory and linear algebra i mtmacor10t 6 75 gives a deep study and learning of definitions &amp; properties of rings, subrings, integral domains &amp; fields, characteristic of a ring, ideal, ring homomorphism, isomorphism theorem i,ii,iii, field, vector spaces, subspaces, linear combination of vectors, linear spam, basis, dimension, linear transformation, null space, range, rank &amp; nullity of linear transformation. this will help students for courses on number theory and analysis. 4 sec: logic and sets mtmssec02m 2 25 provides the understanding of basic knowledge regarding proposition, truth table, negatiation, conjunction &amp; disjunction, logical equivalences, logical operator. gives an overview and deep concept of propositional calculus and predicate logic. 40 gives a learning technique and builds the concepts of set, subset, set operator, venn diagrams, finite &amp; infinite set, classes of sets, power of a set, symmetric difference of two set, relations. it gives a pre-requisite concept and deep insight of mapping and functions.</p>
10	3rd Semester	Sec: c- programming language(mtmssec01m)	<p>Gives a learning based programming paradigms, characteristics of object oriented programming languages, brief history of c++, structure of c++ program, differences between c and c++, basic c++ operators, comments, working with variables, enumeration, arrays and pointer, objects, classes, constructor and destructors, friend function, over loading arithmetic operator and comparison operators, template class in c++, copy constructor, subscript and function call operator. the ability to use c-programming to determine roots of quadratic equation, addition, subtraction, multiplication of matrices.</p>
11	3rd Semester	ge: real analysis(mtmhgec03t)	<p>Provides the concept and solution methodology of sets and their properties, sequences and series and their various examples. it builds the concept of sequence and series of functions. it gives a pre requisite to advanced analysis.</p>
12	4th Semester	Core: riemann integration and series of functions(mtmacor08t)	<p>Build and solve inequalities of upper &amp; lower sum, darbox integration &amp; theorem,, riemann integral, riemann integrability of monotone, continuous functions, improper integral, gamma &amp; beta functions, pointwise &amp; uniform convergence of sequence of a functions, theorem for continuity, derivability, intgrability of the limit functions of sequence of a functions, series of functions, cauchy criteria for uniform convergence &amp; weierstrass m-test, fourier series, dirichlet's condition, power series, radius of convergence, cauchy hadamard theorem, abel's theorem, weierstrass approximation theorem. this paper is useful in post-graduate analysis and it is useful in various applied topics in post graduate level.</p>

Sl No.	Semester	Course Name	Course Outcome
13	4th Semester	Core: multivariate calculus(mtmacor09t)	Adds basic knowledge and concepts to tackle functions of several variables, limit & continuity of functions of two or more variables, partial differentiation, total differentiability, chain rule, lagrange multipliers, double integration over rectangular region, non-rectangular region, polar co-ordinates, triple integrals, change of variables in double & triple integral, vector field,, divergence & curl, line integrals, application of line theorem. learn the concept and applications of green's theorem, surface integral, stoke's theorem, divergence theorem. gives a deep insight to the concept of functions of several variables
14	4th Semester	Core: ring theory and linear algebra i(mtmacor10t)	Gives a deep study and learning of definitions & properties of rings, subrings, integral domains & fields, characteristic of a ring, ideal, ring homomorphism, isomorphism theorem i,ii,iii, field, vector spaces, subspaces, linear combination of vectors, linear spam, basis, dimension, linear transformation, null space, range, rank & nullity of linear transformation. this will help students for courses on number theory and analysis.
15	4th Semester	Sec: logic and sets(mtmssec02m)	Provides the understanding of basic knowledge regarding proposition, truth table, negation, conjunction & disjunction, logical equivalences, logical operator. gives an overview and deep concept of propositional calculus and predicate logic. 40 gives a learning technique and builds the concepts of set, subset, set operator, venn diagrams, finite & infinite set, classes of sets, power of a set, symmetric difference of two set, relations. it gives a pre-requisite concept and deep insight of mapping and functions.
16	4th Semester	Ge: algebra(mtmhgec04t)	Adds basic knowledge in order to tackle equivalence relations and partitions, functions, composition of functions, invertible functions, one to one correspondence and cardinality of a set. symmetries of a square, dihedral group, subgroups, centralizer, normalizer, centre of a group, product of two subgroups, cyclic groups, permutation, alternating groups, cosets, lagrange's theorem, external direct product, normal subgroups, cauchy theorem for abelian group, homomorphism, cayley's theorem, isomorphism. provides the pre- requisite to advanced abstract algebra. gives a deep study and learning of definitions & properties of rings, subrings, integral domains & fields, characteristic of a ring, ideal, ring homomorphism and other characteristics.
17	5th Semester	Core: partial differential equations, applications of ordinary differential equations(mtmacor11t)	Gives a learning technique and understanding of basic knowledge regarding partial differential equations, method of characteristic for obtaining general solutions of quasi linear equation, canonical form of first order linear equations, method of separation of variables for solving first order partial differential equation, derivation of heat, wave & laplace equation, reduction of second order linear equation of canonical form, string, solving heat & string problem, central force, constrained motion, varying mass. it provides the application of various wave equations prevailing in the real world environment. develop the concepts of the applications of ordinary differential equations. get a deep insight and build the concept of derivation of heat equation, wave equation and laplace equation. classification of second order linear equations as hyperbolic, parabolic or elliptic. learn the reduction of second order linear equations to canonical forms.

Sl No.	Semester	Course Name	Course Outcome
18	5th Semester	Core: group theory ii (mtmacor12t)	Provides a deep study and get a concept of automorphism, inner automorphism, characteristic subgroup, external direct product, internal direct product, fundamental theorem for finite abelian groups, group actions, stabilizers & kernals, permutation, cayley's theorem, conjugation, class equation & consequences, conjugacy in $s_n$ , p-groups, sylow's & cauchy's theorem. learn an get an idea of advanced abstract algebra and its applications.
19	5th Semester	Dse: linear programming(mtmadse01t)	Aims to enlighten the introduction to linear programming problem. gives a deep concept to theory of simplex method, graphical solution, convex sets, transportation problem & its mathematical formula, northwest-corner method. learn and build a concept to game theory: formulation of two person zeros um games, solving two person zero sum, games, games with mixed strategies, graphical solution procedure, linear programming solution of games. gives a pre-requite to operations research and non-linear programming.
20	5th Semester	Dse: number theory(mtmadse02t)	Adds the concept of linear diophantine equation, prime counting function, statement of prime number theorem, goldbach conjecture, linear congruences, complete set of residues, chinese remainder theorem, fermat's little theorem, wilson's theorem. builds a deep insight to number theoretic functions, sum and number of divisors, totally multiplicative functions, definition and properties of the dirichlet product, the mobius inversion formula, the greatest integer function, euler's phi-function, euler's theorem, reduced set of residues. some properties of euler's phi-function.
21	5th Semester	Dse: probability & statistics(mtmas03t)	Adds basic knowledge to tackle sample space, probability axioms, real random variables (discrete and continuous),cumulativedistributionfunction,probabilitymass/density functions, mathematical expectation, moments, moment generating function, characteristic function, discrete distributions: uniform, binomial, poisson, geometric, negative binomial, continuous distributions: uniform, normal, exponential, joint 40 cumulative distribution function and its properties, joint probability density functions, marginal and conditional distributions, joint moment generating function (jmgf)and calculation of covariance(from jmgf), linear regression for two variables, chebyshev's inequality, statement and interpretation of(weak)law of large numbers and strong law of large numbers. central limit theorem for independent and identically distributed random variables with finite variance, markov chains, chapman- kolmogorov equations, classification of states, random samples, sampling di attributions.
22	6th Semester	Core: metric spaces and complex analysis(mtmacor13t)	Aims to enlighten students about sequence in metric spaces, cauchy sequences, cantor's theorem, complete metric spaces, sequential criterion & other characterizations of community, uniform continuity, connectedness, compactness, heine-borel property, contraction mappings, limit involving the point at infinity, continuity, region in complex plane, cauchy-riemann equations, sufficient condition for differentiability, analytic functions, exponential, logarithm, trigonometry functions, derivative of functions, upper bound of moduli of contour integrals, cauchy- goursat theorem, cauchy integral formula, liouville's theorem & fundamental theorem of algebra,

Sl No.	Semester	Course Name	Course Outcome
			convergence of sequence and series, taylors series and its example, laurent series, absolute & uniform convergence of power series. it provides a pre-requisite to advanced courses of complex analysis for past graduate courses.
23	6th Semester	Core: ring theory and linear algebra ii(mtmacor14t)	Provides an insight and builds a concept to polynomial rings over commutative rings, division algorithm and consequences, principal ideal domains, factorization of polynomials, reducibility tests, irreducibility tests, eisenstein criterion, and unique factorization in $\mathbb{Z}[x]$ , divisibility in integral domains, irreducible, primes, unique factorization domains, euclidean domains. gives a deep concept of dual spaces, dual basis, double dual, transpose of a linear 40 transformation and its matrix in the dual basis, annihilators, eigen spaces of a linear operator, diagonalizability, invariant subspaces and cayley-hamilton theorem, the minimal polynomial for a linear operator, canonical forms. adds knowledge to the concept of inner product spaces and norms, gram-schmidt orthogonalisation process, orthogonal complements, besse's inequality, the adjoint of a linear operator, least squares approximation, minimal solutions to systems of linear equations, normal and self-adjoint operators, orthogonal projections and spectral theorem.
24	6th Semester	Dse: theory of equations(mtmadse04t)	Aims to enlighten students to learn the general properties of polynomials, graphical representation of a polynomial, maximum and minimum values of a polynomials, general properties of equations, descarte's rule of signs positive and negative rule, relation between the roots and the coefficients of equations. gives a deep concept of symmetric functions, applications of symmetric function of the roots, transformation of equations, solutions of reciprocal and binomial equations, algebraic solutions of the cubic (cardan's method) and biquadratic (ferrari's method). properties of the derived functions. provides the knowledge about symmetric functions of the roots, newton's theorem on the sums of powers of roots, homogeneous products, limits of the roots of equations. focuses on the concepts of separation of the roots of equations, strums theorem. applications of strum's theorem, conditions for reality of the roots of an equation. solution of numerical equations.
25	6th Semester	Dse: boolean algebra and automata theory(mtmadse05t)	Provides the knowledge about definition and examples and basic properties of ordered sets, maps between ordered sets, duality principle, lattices as ordered sets, lattices as algebraic structures, sublattices, products and homomorphisms. focuses on the concepts of definition and examples and properties of modular and 40 distributive lattices, boolean algebras, boolean polynomials, minimal and maximal forms of boolean polynomials, quinn-mccluskey method, karnaugh diagrams, logic gates, switching circuits and applications of switching circuits. provides the introduction and concepts of alphabets, strings, and languages. finite automata and regular languages: deterministic and non-deterministic finite automata, regular expressions, regular languages and their relationship with finite automata, pumping lemma and closure properties of regular languages. gives a deep concept of context free grammars and pushdown automata: context free grammars (cfg), parse trees, ambiguities in grammars and languages, pushdown automaton (pda) and the language accepted by pda, deterministic pda, non- deterministic

Sl No.	Semester	Course Name	Course Outcome
			pda, properties of context free languages; normal forms, pumping lemma, closure properties, decision properties. aims to enlighten students to learn the concepts of turing machines: turing machine as a model of computation, programming with a turing machine, variants of turing machine and their equivalence. provides the knowledge of undecidability: recursively enumerable and recursive languages, undecidable problems about turing machines: halting problem, post correspondence problem, and undecidability problems about cfgs, provides a deep insight to applications of automata theory
26	6th Semester	Dse: mechanics(mtmadse06t)	Provides the concepts of co-planar forces, astatic equilibrium, friction, equilibrium of a particle on a rough curve, virtual work, forces in three dimensions, general conditions of equilibrium, centre of gravity for different bodies. stable and unstable equilibrium. provides the basic concepts to equations 40 of motion referred to a set of rotating axes, motion of a projectile in a resisting medium, stability of nearly circular orbits. motion under the inverse square law, slightly disturbed orbits, motion of artificial satellites, motion of a particle in three dimensions, motion on a smooth sphere, cone, and on any surface of revolution. enlightens the knowledge of degrees of freedom, moments and products of inertia, momental ellipsoid, principal axes, d'alembert's principle, motion about a fixed axis, compound pendulum, motion of a rigid body in two dimensions under finite and impulsive forces, conservation of momentum and energy.

# Gobardanga Hindu College

## Program Outcomes

### Department of MATHEMATICS

Sl No.	PO Master Name
1	PO – 1 : Computational Knowledge: Demonstrate an understanding of the basic concepts in mathematics, and their importance in the solution of some real- world decision making problems.
2	PO – 2 : Problem analysis: Use fundamental principles of scientific enquiry, analytical thinking, clear and critical problem solving ability in Mathematics and Computing to identify, formulate research for solving complex problems, reaching appropr
3	PO-3: Design/Development of Solutions: Understand to design, analyze and develop solutions and evaluate system components or processes to meet specific need for local, regional and global public health, societal, cultural, and environmental systems.
4	PO – 4 : Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources and computing tool such as Excel, MATLAB, MATHEMATICA, SPSS etc to solve computing activities with an understanding of the limitations and constraint
5	PO – 5 : Professional Ethics: Exhibit ethics for regulations, responsibilities and norms in professional computing practices. Analyze relevant academic, professional and research ethical problems and commit to professional ethics and responsibiliti
6	PO – 6 : Communication Efficacy: Effectively communicate about their field of expertise on their activities, with their peer and society at large. Such as, being able to comprehend and write effective reports and design documentation, make effectiv
7	PO – 7 : Project Management: Apply Knowledge and understanding of principles of mathematics and statistics effectively as an individual, and as a member or leader in diverse teams to manage projects in multidisciplinary environment.
8	PO – 8 : Research Proposal: Define, design and deliver a significant piece of research work that is clear and concise. Demonstrate the necessary skills and knowledge of deeper understanding of their chosen research area. Understand the philosophy o
9	PO – 9 :Societal and Environmental Concern: Apply mathematics and computing knowledge to access and solve issues relating to health, safety, and societal, environmental, legal, and cultural issues within local, regional and global context.
10	PO – 10: Individual and Teamwork: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team.
11	PO – 11: Innovation and Entrepreneurship: Learn to innovate, design and develop solutions for solving real life problems and addressing development issues with a passion for quality competency and holistic approach.
12	PO – 12: Thrust area: The following are the concepts build in the design and development of mathematical analysis • Analyze real world scenarios to recognize Real and Complex analysis; Modern, Abstract and Classical Algebra; ordinary differential

# Gobardanga Hindu College

## Course Outcomes

### Department of MUSIC

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Mucacor01t	The elementary theory of music is all about different musical terms of indian classical music knowledge about raga, thata raga, lakshana, time theory of raga. these all are basic and foundation of music from which students will enables to enter into the root of indian classical music.
2	1st Semester	Mucacor01p	All prescribed raga bandish and are based on ten thata. in this practical paper students will learn introductory knowledge of indian raga with various taal and an introductory discussion of vilambit.
3	1st Semester	Mucacor02t	This paper contains the system of raag ragini vargikaran from ancient period to modern era two major systems-hindustani and carnatic. from this study students will learn classification of raga and differences of two classical forms.
4	1st Semester	Mucacor02p	This practical paper introduces various beautiful ragas with its vilambit form in various taal and introduces dhrupad and dhamar with its laykari , aalap from which students will learn pure indian classical forms, style, gayaki.
5	2nd Semester	Mucacor03t	This paper is about historical knowledge of indian music from ancient era to modern period, epic era and music in purana, charyagaan from which students will gather knowledge about historical background of indian classical music.
6	2nd Semester	Mucacor03p	This practical paper introduces with various indian semi classical forms.
7	5th Semester	Dse a2-music and psychology	This course contains the interrelationship between psychology and music and musical mind, musicality, assessment, musical behavior, talent from which student can gather knowledge about psychological aspects in music.
8	6th Semester	Dse b2-music and psychology	Another paper of music and psychology which contains musical appreciation, relation between performer-listener, musical memory, tonal imagery from which students will understand the psychological personality of musician.

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## Program Outcomes

### Department of MUSIC

Sl No.	PO Master Name
1	P.O-1: Special lecture on introductory knowledge of Vilambit Khayal. Specific concept on Dhrupad and Dhamar and their technique.
2	P.O-2: Special audio-visual classes on semi-classical music and introduction of various Gharana.
3	P.O-3: Introductory lectures on Rabindranath Tagore and his creation.
4	P.O-4: Demonstrate creative improvisation of Bengali song from 18th century.
5	P.O-5: Special lecture on the framework Karnataki classical music and western music.
6	P.O-6: Introductory classes on various types of folk music and patriotic song.
7	P.O-7: Applying music on specific content skills, including effective performance ability, analytical skills and team work to develop career and research skill.
8	P.O-8: Develop social and ethical responsibilities of music professional. Knowledge and scope of psychology of music and contribution of music in medical science.

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## Course Outcomes

### Department of EDUCATION

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Philosophical foundations of education(edcpcoro1t)	Afterthecompletionofthecourse,thestudentswill beableto– i. recognize the importance and significance of education, philosophy andeducationalphilosophy. ii. understandthe contributions of indian & western schools of philosophy ineducation. iii. appreciatethecontributions ofeducationalthinkers.
2	1st Semester	Psychologicalfoundationsofeducationedcpcoro2t	Afterthecompletionofthecourse,thestudentswill beableto– i. understandthe conceptand significanceofschools of psychology. ii. understandthe variousaspects of growthand development. iii. understandtheconcept,natureof intelligenceandcreativity. iv. understandthe concept,development,measurement,importanceofpersonality.
3	1st Semester	Methodology of educational research: edcpcor03t	Afterthecompletionofthecourse,thestudentswill beableto– i. comprehendthenatureandprocessofunderstandingresearchin education ii. understandvariousresearchdesignsineducation iii. understandanalysisofdata andresearchreportwriting iv. plananddesigneducationalresearch
4	1st Semester	Statistics in education: edcpcor04t	Afterthecompletionofthecourse,thestudentswill beableto– i. understandthebasic concept andneedofstatistics ineducationalresearch. ii. understandquantitivedataanalysis. iii. acquaintwithparametric andnon-parametricinferentialanalysis. iv. understandqualitivedataanalysis.
5	1st Semester	Evaluation of speaking & listening skill: edcpcor05p	Afterthecompletionofthecourse,thestudentswill beableto– i. understandhowtodeveloplisteningskills ii. understandhowtodevelopspeakingkills
6	2nd Semester	Edepcor06tsociological foundations of education	Afterthecompletionofthecourse,thestudentswill beableto-- ii. understandtherelationship betweeneducation andsociology. ii. understandculture, socializationandsocial process. iii. recognizessocialchange properly. iv. analyzethecauses and remedial measures of socialproblems
7	2nd Semester	Edepcor07t pedagogical studies	Afterthecompletionofthecourse,thestudentswill beableto– i. understandconcept, natureand importanceof pedagogyand pedagogicalanalysis. ii. understandtheconcept, natureandtheories ofandragogy. iii. familiarizewiththeassessmentinpedagogy ofeducation. iv. familiarizewiththeassessmentin andragogyofeducation.
8	2nd Semester	Edepcor08t contemporary issues and trends in education	Afterthecompletionofthecourse,thestudentswill beableto– i. understandvariousissues ineducation. ii. recognizethetrendsineducation. iii. understandthevarioussectors ineducationand theircontrollingagencies
9	2nd Semester	Edepcor09p ict in education	Afterthecompletionofthecourse,thestudentswill beableto– i. familiarizewiththebasic ideasofcomputer anditsfunctions&importance ineducation ii. operatemswordsanditsdifferentuses • operateexcel anditsdifferentuses • operatepptanditsdifferentuses
10	2nd Semester	Edepcor10t psychology of learner & learning process	Afterthecompletionofthecourse,thestudentswill beableto– i. understandvarious theoriesoflearning ii. acquaintwithlearning &motivation. iii. understandtransferoflearning. iv. acquaintwithsociallearning
11	2nd Semester	Edepcseco1p communication skill	Afterthecompletionofthecourse,thestudentswill beableto– understand howto developreadingskill understandhowto developwritingskill
12	3rd Semester	Edepcor11t educational technology	Afterthecompletionofthecourse,thestudentswill beableto– developthegeneralideasoneducationaltechnology understand the meaning, nature & importance of system

Sl No.	Semester	Course Name	Course Outcome
			approach and various applications of computer in education. acquaint with the emerging trends in e-learning. understand the uses of ICT in different sectors, advantages & disadvantages of ICT.
13	3rd Semester	Edcp cor 12t educational management	After the completion of the course, the students will be able to – understand the functions & importance of management, administration and educational management. acquaint with the concept of leadership in the field of education. understand quality management in education. develop the ideas regarding the changes in management.
14	3rd Semester	Edcp cor 13t value and peace education	After the completion of the course, the students will be able to – develop the concept, need and importance of value and peace education. acquaint with the nature & concept of value education. acquaint with the nature & concept of peace education. understand the approaches to education in value and peace.
15	3rd Semester	Edcpdse 01t guidance and counselling	After the completion of the course, the students will be able to – understand the nature, principles, need and types of guidance understand the nature, principles, need and types of counseling develop the various guidance programme in different levels acquaint with stress and stress management
16	3rd Semester	Edcpdse 02t economics of education	After the completion of the course, the students will be able to – acquaint with the economics, education and economics of education understand education and manpower planning develop the concept and idea of educational finance understand cost benefit & cost -effective analysis
17	3rd Semester	Edcp cor 14p practical	After the completion of the course, the students will be able to understand how to develop a standardized achievement test. acquaint with the implications of standardized achievement test in education
18	3rd Semester	Edcp gec 01t fundamentals of education	i. develop the concept, nature, scope, aims and factors of education. ii. understand the various forms of education. iii. acquaint with the recent trends in education. iv. acquaint with the contributions of modern great educators.
19	4th Semester	Edcp cor 15t curriculum studies	After the completion of the course, the students will be able to --- a. acquaint with the concept, development & bases of curriculum b. develop the idea on various models of curriculum design c. understand the concept, nature & importance of curriculum evaluation d. understand the concept, need, factors & approaches of curriculum change
20	4th Semester	Edcp cor 16t education of children with diverse needs	develop the concept, evolution, scope of inclusive education and education of children with diverse needs. understand the types, causes & prevention of diverse learners. understand the planning and management of diverse learners. acquaint with the barriers and facilitators in inclusive education.
21	4th Semester	Edcpdse 03t teacher education	After the completion of the course, the students will be able to -- develop the concept, nature, types, approaches of teacher education. understand the concept, scope, organization & agencies of in-service teacher education. acquaint with the concept of professionalism in education. acquaint with the modern trends in teacher education.
22	4th Semester	Edcpdse 04t policy and planning in education	After the completion of the course, the students will be able to develop the concept, nature, need & determinants of educational policy. acquaint with the various national commissions and policies on education in India. develop the concept of educational planning. understand the policy formulation and its importance.
23	4th Semester	Edcp cor 18p dissertation/project	After the completion of the course, the students will be able to learn how to collect data learn how to analyze the data develop the art of writing project report understand the process of presentation and defense of project

SI No.	Semester	Course Name	Course Outcome
24	4th Semester		

**Gobardanga Hindu College**  
**Program Outcomes**  
**Department of EDUCATION**

<b>Sl No.</b>	<b>PO Master Name</b>
<b>1</b>	Develop knowledge and understanding of major specialized areas in Education.
<b>2</b>	Develop critical thinking pertaining to issues related to Education.
<b>3</b>	Orient the students on the modern trends of Educational Technology and their application in educational system.
<b>4</b>	Enhance the necessary competencies to provide better inclusive classroom environment to accommodate various categories of the students.
<b>5</b>	Develop competencies to conduct research in emerging areas of Education.
<b>6</b>	Develop knowledge and understanding of the process of educational research.

# Gobardanga Hindu College

## Course Outcomes

### Department of PHILOSOPHY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Phiacor01t [history of western philosophy-i ]	Students will have knowledge about major movements, issues and philosophical systems of the ancient, medieval and modern era.
2	1st Semester	Phiacor02t [western logic-i]	After studying of this course, students may easily participate in any argument in day to day discussion and derive valid conclusion. students will be able to think critically and logically.
3	2nd Semester	Phiacor03t: [outlines of indian philosophy-i]	Different schools of indian philosophy are introduced along with each of their theoretical framework and basic tenets.
4	2nd Semester	Phiacor04t [western logic-ii]	Studying logic is important since it helps people with critical thinking and thinking more clearly or logically.
5	3rd Semester	Phiacor05t [history of western philosophy-ii]	This course will provide both an overview of the history of western philosophy as well as an exploration of some of the most important philosophical questions. while the primary textbook provides the broad overview of that history, supplemental readings of key texts from such important figures as locke, berkeley, hume and kant.
6	3rd Semester	Phiacor06t [outlines of indian philosophy-ii]	Helpful for advanced learning of indian philosophy.
7	3rd Semester	Phiacor07t (western ethics)	Students get the basic knowledge of morality and other ethical theories of west.
8	4th Semester	Phiacor08t [social and political philosophy-western]	This course educates the students about ways to apply the ethical norms in the society and its effect on the society. it enhances the knowledge of socio-political
9	4th Semester	Phiacor09t[psychology and philosophy of mind]	In the end of this course students are exposed to the elementary scientific research methods, techniques, counselling skills, ethics and evaluating skills of psychology. students are also understand the nature of mind and its relationship with the physical body.
10	4th Semester	Phiacor10t [classical indian text]	This section of the course deals with mainly epistemological and logical concepts of nyaya and vaisesika. it helps to the students to create a mind of group discussion that helps to participate in various debate competition of national and international level.
11	4th Semester	Phiacor11t [philosophy of language-indian and western]	In this portion students learn how language plays an important role in our everyday life by investigating the nature of language, the relations between language, language users and the world.
12	5th Semester	Phiacor12t [ethical and social philosophy of indian]	Students can access arguments and philosophical perspective using critical reasoning. they can write clear and concise explanations and arguments about basic ethical problems and social changes.
13	6th Semester	Phiacor13 [western epistemology & metaphysics]	The outcome of this course is to do analysis of language for critical thinking as all thinking is based on the logical presentation of language.
14	6th Semester	Phiacor14 [some modern indian thought]	Step for beginner to know the basic theories religious philosophy society, politics and contemporary indian

Sl No.	Semester	Course Name	Course Outcome
			thought.
15	5th Semester	Phiadse01t[elective logic]	Deep and critical study of these areas enhances analytic mind and this will make our students fit for professions in different academic centers for example school, college and universities.
16	5th Semester	Phiadse02t[practical ethics]	This course is highly interdisciplinary in character but the primary focus is ethical and philosophical: students will learn how to apply rigorous philosophical analysis to real life ethical problems and will be provided with a grounding in key ethical concepts and methods, as well as in major debates in practical ethics. students will also have the opportunity for in-depth research on a topic of their choice.
17	5th Semester	Phiadse03t[philosophy of religion]	This course develops in students a sense of the values and a reflective attitude and sensitivity towards the sub-ethics and complexities of philosophical judgement and a life-long commitment to learning and enquiry.
18	6th Semester	Phiadse04t[saddhana, rabindranath tagore)	This course is a great resource of indian philosophy. with the surge of interest in indian spirituality, it will be welcomed with enthusiasm by students everywhere.
19	6th Semester	Phiadse05t[russell, problems of philosophy]	This is a study of the contribution to philosophical thoughts of great philosophical mind to the development of twentieth century. it will help to understand the critical events of twentieth century philosophy shaped the work of a particular thinker.
20	6th Semester	Phiadse06t[hume, an enquiry concerning human understanding]	As a result of this course, students can expect to improve their ability to engage in philosophical reasoning.
21	5th Semester	Phiacor11t [philosophy of language-indian and western]	In this portion students learn how language plays an important role in our everyday life by investigating the nature of language, the relations between language, language users and the world.
22	1st Semester	Phigcor01t – logic	Students will be able to think critically and logically. from this course students will get the knowledge about traditional and aristotelian logic.
23	2nd Semester	Phigcor02t- western epistemology and metaphysics	Students will be acquainted with the concept of rationalism and empiricism.
24	3rd Semester	Phigcor03t- indian epistemology and metaphysics	Students will get knowledge about some indian schools of philosophy. students can understand that materialistic world is not their destiny.
25	4th Semester	Phigcor04t- ethics-indian and western	Ethics which is associated with values create an ideal human being by applying moral values. the outcome of the concept of moral values may make a peaceful society.
26	5th Semester	Phigdse01t [applied ethics] phigdse02t- [rabindranath, religion of man]	Ethical theories and its applied mode certainly influence and motivate the students to be moral and responsible to the society and environment. students will be guided for responsible behaviour and they will learn to take responsibility for their actions.
27	6th Semester	Phigdse03t [social & political philosophy] phigdse04t [bimalkrishna motilal, niti,yukti,dharma:kahini o sahitye rama o krishna.]	Students will be aware of the concepts of justice, freedom, equality, liberty, democracy and authority in modern context as well as in the past.

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
<b>28</b>	6th Semester	Phigc02t [critical thinking]	Students will learn to explore new possibilities, formulate and articulate ideas by this course.
<b>29</b>	3rd Semester	Phissec01m [media ethics, skill enhancement course/ sec-i]	At the end of the course, students will be able to discuss media laws in india and the world.
<b>30</b>	4th Semester	Phissec02m[business ethics, sec-ii]	This course introduces the system of moral principles and rules of the conduct applied to business. business being a social organ, it provides an ethical framework for evaluating business and the corporate world.
<b>31</b>	6th Semester	Phissec02m[business ethics, sec-ii]	This course introduces the system of moral principles and rules of the conduct applied to business. business being a social organ, it provides an ethical framework for evaluating business and the corporate world.

# Gobardanga Hindu College

## Program Outcomes

### Department of PHILOSOPHY

Sl No.	PO Master Name
1	1. Ability in critical thinking skills.
2	2. Understanding of concepts of right, wrong, good and bad; understanding of moral principles and their application in everyday life.
3	3. Ability to read and interpret philosophical texts.
4	4. Ability to recognize, express and analyze arguments in philosophical texts.
5	5. Ability to summarize and explain difficult ideas and concepts.
6	6. Ability in writing that reflects careful attention to language, logic and subtleties of reasoning.
7	7. Ability to write philosophical essays that have coherent theses and reasonable supporting arguments.
8	8. Ability to understand reality from different perspectives and thus to understand that different people will define issues in different ways.
9	9. Ability in research methodology.

# Gobardanga Hindu College

## Course Outcomes

### Department of PHYSICS

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester		
2	1st Semester	Phsacor01t: mathematical physics - i	Revise the knowledge of calculus, vectors, vector calculus, probability and probability distributions.
3	1st Semester	Phsacor01p: mathematical physics – i lab	Learn the fundamentals of the python and python programming languages and their applications in solving simple physical problems.
4	1st Semester	Phsacor02t: mechanics	Understand the analogy between translational and rotational dynamics, and application of both motions simultaneously in analysing rolling with slipping
5	1st Semester	Phsacor02p: mechanics lab	In the laboratory course, the student shall perform experiments related to mechanics (compound pendulum), rotational dynamics, elastic properties (young modulus and modulus of rigidity) and fluid dynamics (verification of stokes law, searle method) etc.
6	2nd Semester	Phsacor03t: electricity and magnetism	Explain and differentiate the vector (electric fields, coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.
7	2nd Semester	Phsacor03p: electricity and magnetism lab	Apply various network theorems such as superposition, thevenin, norton, reciprocity, maximum power transfer, etc. and their applications in electronics, electrical circuit analysis, and electrical machines.
8	2nd Semester	Phsacor04t: waves and optics	Understand the working of selected optical instruments like biprism, interferometer, diffraction grating, and holograms
9	2nd Semester	Phsacor04p: waves and optics lab	In the laboratory course, student will gain hands-on experience of using various optical instruments and making finer measurements of wavelength of light using newton rings experiment, fresnel biprism etc. resolving power of optical equipment can be learnt first-hand.
10	1st Semester	Phsgcor01t/ phshgec01t: mechanics	Understand laws of motion and their application to various dynamical situations, notion of inertial frames and concept of galilean invariance. he / she will learn the concept of conservation of energy, momentum, angular momentum and apply them to basic problems.
11	1st Semester	Phsgcor01p/ phshgec01p: mechanics lab	In the laboratory course, the student shall perform experiments related to mechanics (compound pendulum), rotational dynamics, elastic properties (young modulus and modulus of rigidity) and fluid dynamics (verification of stokes law, searle method) etc.
12	2nd Semester	Phsgcor02t/ phshgec02t: waves and optics	Apply basic knowledge of principles and theories about the behaviour of light and the physical environment to conduct experiments.
13	2nd Semester	Phsgcor02p/ phshgec02p: waves and optics lab	The motion of coupled oscillators, study of lissajous figures and behaviour of transverse, longitudinal waves can be learnt in this laboratory course.
14	3rd Semester	Phsacor05t mathematical physics - ii	Learn about the special functions, such as the hermite polynomial, the legendre polynomial, the laguerre polynomial and bessel functions and their differential

Sl No.	Semester	Course Name	Course Outcome
			equations and their applications in various physical problems such as in quantum mechanics which they will learn in future courses in detail.
15	3rd Semester	Phsacor05p mathematical physics – ii lab	In the laboratory course, learn the basics of the software, their utility, advantages and disadvantages.
16	3rd Semester	Phsacor06t thermal physics	Learn about the real gas equations, vander waal equation of state, and the joule thompson effect.
17	3rd Semester	Phsacor06p thermal physics lab	Determinations of stefan's constant, coefficient of thermal conductivity, temperature coefficient of resistant, variation of thermo-e.m.f of a thermocouple with temperature difference at its two junctions and calibration of a thermocouple
18	3rd Semester	Phsacor07t digital systems and applications	About analog systems and digital systems and their differences, fundamental logic gates, combinational as well as sequential and number systems.
19	3rd Semester	Phsacor07p digital systems and applications lab	In the laboratory he is expected to construct both combinational circuits and sequential circuits by employing nand as building blocks and demonstrate adders, subtractor, shift registers, and multi-vibrators using 555 ics.
20	3rd Semester	Phsgcor03t/ phshgec03t thermal physics and statistical mechanics	Learn the basic aspects of kinetic theory of gases, maxwell-boltzman distribution law, equitation of energies, and mean free path of molecular collisions, viscosity, thermal conductivity, diffusion and brownian motion.
21	3rd Semester	Phsgcor03p/ phshgec03p thermal physics and statistical mechanics lab	Determinations of stefan's constant, coefficient of thermal conductivity, temperature coefficient of resistant.
22	3rd Semester	Phssec01m basic instrumentation skills	After the successful completion of the course the student is expected to have the necessary working knowledge on accuracy, precision, resolution, range and errors/uncertainty in measurements.
23	4th Semester	Phsacor08t mathematical physics - iii	Develop independent mathematical problem solving ability using complex variables, integral transforms, matrices and eigen value problems.
24	4th Semester	Phsacor08p mathematical physics – iii lab	Exposure to numerical methods and analysis of numerical problems by computer programming
25	4th Semester	Phsacor09t elements of modern physics	Exposure to early development of quantum theory and understand its significance in modern physics
26	4th Semester	Phsacor09p elements of modern physics lab	Acquire investigative skills in verifying results of modern physics in real life including principles of led, tunnel diode, grating and lasers.
27	4th Semester	Phsacor10t analog systems and applications	Develop a knowledge of the basic hardware components such as diodes, transistors, op-amps, ics and their functions in the domain of electronics
28	4th Semester	Phsacor10p analog systems and applications lab	Develop hands-on experience in handling of basic electronic components & construction of simple electronic circuits using diodes, transistors, op-amps and ics.
29	4th Semester	Phsgcor04t/ phshgec04t waves and optics	A basic understanding of waves and oscillations & wave nature of light
30	4th Semester	Phsgcor04p/ phshgec04p waves and optics lab	To acquire a basic practical know-how of the properties of waves & wave nature of light by participating in group experiments demonstrating the theories learnt in phsgcor04t/ phshgec04t

SI No.	Semester	Course Name	Course Outcome
31	4th Semester	Phssec02m computational physics skills	Exposure to basics of computation skills of scientific programming like fortran/c++ and scientific word processing like latex.
32	5th Semester	Phsacor11t quantum mechanics and applications	Develop basic knowledge of wave mechanics and understand its applications in simple cases including barrier potential, hydrogen like atom through solution of schrodinger equation
33	5th Semester	Phsacor11p quantum mechanics and applications lab	Develop a logical, analytical problem solving skill using computer programming, of the applications studied in phsacor11t
34	5th Semester	Phsacor12t solid state physics	Develop a coherent understanding of condensed state of matter and its properties such as superconductivity, magnetism, dielectric and crystallographic aspects.
35	5th Semester	Phsacor12p solid state physics lab	To acquire a practical know-how of the properties of solids by performing, analysing and interpreting results of well-designed experiments demonstrating these properties such as piezoelectric, ferroelectric, and hall effect.
36	5th Semester	Phsadse01t advanced mathematical physics - i	Develop independent advanced mathematical problem solving ability using laplace transforms, tensors and linear vector spaces.
37	5th Semester	Phsadse01p advanced mathematical physics – i lab	Develop a logical, analytical problem solving skill using computer programming, of linear algebra & its applications various classical and quantum mechanical problems
38	5th Semester	Phsadse02t advanced dynamics	Acquire a systematic knowledge of complexity of particle motion in presence of constraints such as lagrangian , hamiltonian dynamics, rigid body mechanics, small amplitude oscillations and fluid dynamics.
39	5th Semester	Phsadse03t nuclear and particle physics	Understanding the properties of nuclei & subatomic particles and interaction of nuclear radiation with matter
40	5th Semester	Phsgdse01t digital, analog circuits and instrumentation	A basic understanding of the binary logic of electronics, its hardware components and their functions such as or, and , not logic gates.
41	5th Semester	Phsgdse01p digital, analog circuits and instrumentation lab	Develop hands-on experience in handling of basic electronic components to construct simple logical electronic circuits using ics of or, and, not logic gates.
42	5th Semester	Phsgdse02t perspectives of modern physics	A basic understanding of quantum theory and its significance in modern physics
43	6th Semester	Phsacor13t electromagnetic theory	A fundamental understanding of electromagnetic waves and its interaction with matter
44	6th Semester	Phsacor13p electromagnetic theory lab	To develop skills of practical verification & analytical of the theories learnt in phsacor13t through performing well-designed experiments in a group.
45	6th Semester	Phsacor14t statistical mechanics	Coherent understanding of the physics of large particle systems and analysing them using mb, fd and be distributions.
46	6th Semester	Phsacor14p statistical mechanics lab	Develop computational skills by analysis of the behaviour of a collection of large particles obeying statistical laws
47	6th Semester	Phsadse04t advanced mathematical physics - ii	Develop independent advanced mathematical problem solving ability & apply to specific physical domains
48	6th Semester	Phsadse05t astronomy and astrophysics	To develop a coherent knowledge of the physics of large scale structure & expanding universe, including studies of solar system, stellar spectra and galaxies.

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
<b>49</b>	6th Semester	Phsadse06t communication electronics	An advanced knowledge of the recent electronic technologies used for communication systems
<b>50</b>	6th Semester	Phsadse06p communication electronics lab	Exposure to the practical applications of electronic communication through performing simple electronic circuit designing and implementing.
<b>51</b>	6th Semester	Phsgdse03t solid state physics	A basic understanding of the physics of large particle systems
<b>52</b>	6th Semester	Phsgdse03p solid state physics lab	To acquire a basic practical know-how of the properties of solids through well-designed experiments demonstrating these properties.
<b>53</b>	6th Semester	Phsgdse04t nuclear and particle physics	Develop a basic understanding of the properties of nuclei & subatomic particles
<b>54</b>	1st Semester		

# Gobardanga Hindu College

## Program Outcomes

### Department of PHYSICS

SI No.	PO Master Name
1	PO1: An ability to apply the knowledge of physics, mathematics, computation in science and technology fields and merge with competency in the subject of Physics and apply knowledge to cater to the needs of Society / Employer / Institution / Own Busin
2	PO2: An ability to identify, formulate and solve physical science and technology problems and imbibe analytical/critical/logical/innovative thinking skills in the various fields of theoretical and experimental Physics.
3	PO3: Recognize the importance of mathematical modeling simulation and computing, and the role of approximation and mathematical approaches to describing the physical world and recognize the need for and have an ability to engage in life-long learning
4	PO4: An ability to design and conduct experiments as well as to interpret data.
5	PO5: Demonstrate relevant generic skills and global competencies such as problem-solving, investigative, communication, analytical & ICT skills
6	PO6: An ability to function both independently and as a member in a multi – disciplinary team.
7	PO7: An understanding of professional and ethical responsibility to acquire distinct traits and ethics with high professionalism to gain a broader insight into the domain concerned for nation building.
8	PO8: Appreciation of intellectual property, environmental and sustainability issues

# Gobardanga Hindu College

## Course Outcomes

### Department of POLITICAL SCIENCE

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Paper – 1 understanding political theory	This course introduces the honours students to the idea of political theory, (against historical background), approaches, contemporary trends and practice related to democracy.
2	1st Semester	Paper – 2 constitutional government and democracy in india	This course acquaints students with the constitutional state structures in their mutual interactions with the larger extraconstitutional environment.
3	2nd Semester	Paper – 3 political theory-concepts and debates	This course helps the student familiarize with the basic normative concepts of political theory encouraging critical and reflective analysis of social practices through important debates in the subject.
4	2nd Semester	Paper – 4 political process in india	This course maps the working of ‘modern’ institutions, in a context marked by communitarian solidarities, working of the indian state against contradictory dynamics of modern state power.
5	3rd Semester	Paper 5 introduction to comparative government and politics	This course familiarizes students with the basics (concepts and approaches) and involving them with the progress of developed and developing countries.
6	3rd Semester	Paper 6 perspectives on public administration	The course on public administration emphasizes various classical and contemporary administrative theories against the recent weightages of feminism, ecology and the like for a comprehensive understanding of the students.
7	3rd Semester	Paper 7 perspectives on international relations and world history	This paper introduces students to some important theoretical approaches while contextualizing historically the evolution of the international state system, euro - centricism of international relations highlighting certain specific perspectives from the global south.
8	4th Semester	Paper 8 political processes and institutions in comparative perspective	This course students aims to train the students in the application of comparative methods to the study of politics.
9	4th Semester	Paper-9 public policy and administration in india	The paper provides an introduction to the interface between public policy and administration in india focusing the issues of decentralization, financial management, citizens and social welfare from a non-western perspective.
10	4th Semester	Paper 10 global politics	This paper imparts an understanding of the working of the world economy, relationship between the state and trans-national actors, insights into the networks of contemporary global issues.
11	5th Semester	Paper 11 indian political thought-i	This course introduces the specific elements of indian political thought of individual thinkers spanning over two millennia.
12	5th Semester	Paper 12 modern political philosophy	This course exposes students with questions of politics posed in terms of implications for larger questions of thought and existence.
13	6th Semester	Paper 13 modern political philosophy	Philosophy and politics are closely intertwined. this course exposes the students with queries having implications for larger quandary of thought and existence.
14	6th Semester	Paper 14 indian political thought-ii	The course introduces students with such individual thinkers defining the modernity of indian political thought.
15	5th Semester	Plsads01t: reading gandhi	This course introduces students to the idea of gandhi’s critique of modern civilization and his alternative conception of political, social and economic order and the influence of his ideas

Sl No.	Semester	Course Name	Course Outcome
			particularly relating to peace and non-violence movement for justice and equality around the globe.
16	5th Semester	Plsadse03t: understanding global politics	This paper introduces students with an understanding regarding major global challenges like climate change, proliferation of nuclear weapons, terrorism, poverty, human security, global governance and the like.
17	6th Semester	Plsadse04t: public policy in india	After studying this course the students would realize the concept of public policy, the role of state in the public policy process and particularly the idea of nehru regarding new economic policy.
18	6th Semester	Plsadse05t: human rights in a comparative perspective	This paper helps the students recognizing the need for human rights responding to moral violations such as genocide, slavery, trafficking, torture etc with reference to countries like usa, south africa, pakistan and india.
19	1st Semester	Plsgcor01t: ge / dsc-1: introduction to political theory	This paper introduces the students to the idea of political theory (against historical background), approaches, contemporary trends and practice related to democracy.
20	2nd Semester	Plsgcor02t: ge / dsc-ii: indian government and politics	This course acquaints students with the constitutional state structure of india in mutual interactions with the larger extra-constitutional environment.
21	3rd Semester	Plsgcor03t: comparative government & politics	This course familiarizes students with the basics (concepts and approaches) and involving them with the progress of developed and developing countries.
22	4th Semester	Plsgcor04t: introduction to international relations	This paper introduces students to some important theoretical approaches while contextualizing historically the evolution of the international state system, along with important world events.
23	3rd Semester	Plshgec03t: comparative government and politics	This course familiarizes students with the basics (concepts and approaches) and involving them with the progress of developed and developing countries.
24	4th Semester	Plshgec04t: introduction to international relations	This paper introduces students to some important theoretical approaches while contextualizing historically the evolution of the international state system, along with important world events.
25	5th Semester	Plsgdse01t: reading gandhi	This course introduces students to the idea of gandhi's critique of modern civilization and his alternative conception of political, social and economic order and the influence of his ideas particularly relating to peace and non-violence movement for justice and equality around the globe.
26	6th Semester	Plsgdse03t: understanding global politics	This paper introduces students with an understanding regarding major global challenges like climate change, proliferation of nuclear weapons, terrorism, poverty, human security, global governance and the like.
27	6th Semester	Plsgdse04t: public policy in india	After studying this course the students would realize the concept of public policy, the role of state in the public policy process and particularly the idea of nehru regarding new economic policy.
28	5th Semester	Plsggec01t: human rights in a comparative perspective	This paper helps the students recognizing the need for human rights responding to moral violations such as genocide, slavery, trafficking, torture etc with reference to countries like usa, south africa, pakistan and india.
29	6th Semester	plsggec01t: governance issues & challenges	This paper introduces students with the role of state, civil society, green governance, electronic governance, corporate social responsibility and others.

# Gobardanga Hindu College

## Program Outcomes

### Department of POLITICAL SCIENCE

SI No.	PO Master Name
1	1. The programme provides knowledge about current and past political events across the world.
2	2. The programme motivates the students to understand and follow the changes in political behaviours, opinions and structures.
3	3. The programme enables the students to enhance their skills and ability to make decisions, to evaluate problems and solutions, to work as a team leader through assignments, project works and field works.
4	4. The programme provides good career opportunities such as teaching, civil services, policy analyst through which students can serve the society.
5	5. The programme not only enhances their knowledge of the subject but also increase an intelligent humanistic understanding of the modern world and its politics.

# Gobardanga Hindu College

## Course Outcomes

### Department of SANSKRIT

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Anacoro1t: classical sanskrit literature (poetry)	Acquires knowledge on classical sanskrit literature (poetry)
2	1st Semester	Sanacoro2t: critical survey of sanskrit literature	Acquires knowledge on vedic literature, rāmāyaṇa, mahābhārata, purāṇas and vyākaraṇa, darśana and sāhityaśāstra.
3	2nd Semester	Sanacoro3t: classical sanskrit literature (prose)	Acquires knowledge on classical sanskrit literature (prose) including Śukanāsopadeśa, viśrutacaritam and origin & development of prose.
4	2nd Semester	Sanacoro4t: self management in the gītā	Acquires knowledge on gītā as cognitive and emotive apparatus and topics such as gītā: self management through devotion.
5	3rd Semester	Sanacoro5t: classical sanskrit literature (drama)	Acquires knowledge on classical sanskrit literature (drama) including svapnavāsavadattam– bhāsa, abhijñānaśākuntalam.
6	3rd Semester	Sanacoro6t: poetics and literary criticism	Acquires knowledge on poetics and literary criticism including forms of kāvya-literature, Śabda-śakti (power of word) and rasa-sūtra, alamkāra (figures of speech) – according to sahityadarpana and chandasa (metres) – according to chandomanjari.
7	3rd Semester	Sanacoro7t: indian social institutions and polity	Acquires knowledge on indian social institutions and polity including structure of society and value of life varṇa-system and caste system, indian polity : origin and development, cardinal theories and thinkers of indian polity.
8	3rd Semester	Sanssec01m: basic sanskrit	Acquires knowledge on basic sanskrit including translation (from bengali/english to sanskrit)
9	4th Semester	Sanacoro7t: indian epigraphy, paleography and chronology	Acquires knowledge on indian epigraphy, paleography and chronology
10	4th Semester	Sanacoro9t: modern sanskrit literature	Acquires knowledge on survey of modern sanskrit literature in bengal, gadyakāvya and rūpaka Śivarājvijayam, niśwāsa-i bhāratavivekam and chipitakacharvanam.
11	4th Semester	Sanacor10t: sanskrit and world literature	Acquires knowledge on sanskrit studies in west and sanskrit studies in east.
12	4th Semester	Sanssec02m: spoken sanskrit & computer awareness for sanskrit	Acquires knowledge on spoken sanskrit & computer awareness for sanskrit including basic computer awareness, typing in unicode for preservation and digitalization of sanskrit text web publishing.
13	5th Semester	Sanacor11t: vedic literature	Acquires knowledge on vedic literature
14	5th Semester	Sanacor12t: sanskrit grammar	Acquires knowledge on sanskrit grammar
15	5th Semester	Sanadse01t: veda & vyakarana	Acquires knowledge on veda & vyakarana including Śuklayajurveda : rudrādhyāy, manumatsyakathā of Satapatha brāhmana, kavirahasyam, taittiriyaopanisad shikshabvalli, aitareya brāhmana - nabhānediṣṭhopākhyānam.
16	5th Semester	Sanadse02t: darshana	Acquires knowledge on darshana including saptapadarthi, brihadarnnyakopanisad.
17	5th Semester	Sanadse03t: kavya	Acquires knowledge on kavya including sahityadarpana, Śiśupālavadhā, yugajivanam.
18	6th Semester	Sanacor13t: ontology and epistemology	Acquires knowledge on ontology and epistemology including essentials of indian philosophy, ontology (based on

Sl No.	Semester	Course Name	Course Outcome
			tarkasaṅgraha) and epistemology (based on tarkasaṅgraha).
19	6th Semester	Sanacor14t: sanskrit composition and communication	Acquires knowledge on sanskrit composition and communication including translation and communication (bengali/english to sanskrit).
20	6th Semester	Sanadse04t: veda & vyakarana	Acquires knowledge on veda & vyakarana including vedic culture & vedic studies in west bengal, computational linguistics, vaidikavyakhyapaddhati and bhattikavyam.
21	6th Semester	Sanadse05t: darshana	Acquires knowledge on darshana including bangiyadarshanachinta, comparative studies – indian & western logic & nyaya studies in west bengal.
22	6th Semester	Sanadse06t:kavya	Acquires knowledge on kavya including kavyalankarasutravritti and bhattikavyam.

# Gobardanga Hindu College

## Program Outcomes

### Department of SANSKRIT

Sl No.	PO Master Name
1	The programme has enabled UG level students of Sanskrit to be introduced with Indian ageold culture and heritage by the revival of Sanskrit language with four basic language skills i.e. reading, writing, speaking and listening.
2	Understand the ethical and multidimensional aspects of Sanskrit resources.
3	Create cognizance about interdisciplinary approaches of Sanskrit language and enhance knowledge of paleography by encouraging students to write Devnagari scripts with understanding the basic essence of subject matter.
4	Acquire high proficiency and knowledge to understand the traditional and contemporary methods to deal with Sanskrit literatures, ancient shastras or philosophical texts.
5	Understand the scientific structure of Sanskrit grammar, enhance the ability to read Sanskrit text minutely with special attention on meaning.
6	Students are introduced to the different trends of modern Sanskrit studies so that they become interested in practicing Sanskrit on various current issues.

# Gobardanga Hindu College

## Course Outcomes

### Department of TRAVEL & TOURISM MANAGEMENT

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Batacor01t: history of tourism i	Students will know about the history of tourism
2	1st Semester	Batacor02t: fundamentals of tourism management	Students will come to know the fundamentals of tourism management
3	2nd Semester	Batacor03t: history of tourism ii	History of tourism will be clear to all students.
4	2nd Semester	Batacor04t concept and impact of tourism	Students will know about concept and impact of tourism
5	3rd Semester	Batacor05t: profile of modern tourism	Students will know about modern tourism
6	3rd Semester	Batacor06t:tourism product culture of india	Students will know about tourism product culture of india
7	3rd Semester	Batacor07t: financial accounting in tourism	Students will know about financial accounting in tourism
8	3rd Semester	Batssec01m : computer application in tourism	Students will know about computer application in tourism
9	4th Semester	Batacor08t: tourism marketing	Students will know about tourism marketing
10	4th Semester	Batacor09t: on the job training report and project	Students will know about on- job training.
11	4th Semester	Batacor10t: entrepreneurship and small business in tourism	Students will know about entrepreneurship and small business in tourism
12	4th Semester	Batssec02m: real field study and project viva	Students will know about real field study.
13	5th Semester	Batacor11t: recent trend and issues in trade and frontier formalities	Student will know about recent trend and issues in trade and frontier formalities
14	5th Semester	Batacor12t: eco-tourism and sustainable development	Student will know about eco-tourism and sustainable development.
15	5th Semester	Batadse01t: globalization, conservation and preservation of nature and culture.	Student will know about globalization, conservation and preservation of nature and culture.
16	5th Semester	Batadse02t: corporate laws & culture in indian subcontinent i	Student will know about corporate laws & culture in indian subcontinent.
17	5th Semester	Batadse03t: adventure tourism	Student will know about adventure tourism
18	6th Semester	Batacor13t: air ticketing and transportation in tourism (road, rail & air)	Students will know about air ticketing and transportation in tourism
19	6th Semester	Batacor14t: introduction to travel management	Students will know about travel management
20	6th Semester	Batadse04t: introduction to package tours operations management	Students will know about introduction to package tours operations management .
21	6th Semester	Batadse05t: business laws & culture in indian subcontinent ii	Students will know about business laws & culture in indian subcontinent.
22	6th Semester	Batadse06t: food tourism	Students will know about food tourism

# Gobardanga Hindu College

## Program Outcomes

### Department of TRAVEL & TOURISM MANAGEMENT

SI No.	PO Master Name
1	To get a thorough understanding of the components of tourism industry and to acquire knowledge and information pertaining to tourism industry.
2	To help students acquire practical skills in all the major arenas of the industry.
3	To orient and equip students with Travel Management skills of the age.
4	To develop hospitality culture and behavior and to enhance student competencies.
5	To develop entrepreneurial skills among students.

# Gobardanga Hindu College

## Course Outcomes

### Department of ZOOLOGY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Zooacor01	Acquire knowledge of non-chordates i
2	1st Semester	Zooacor02	Acquire knowledge of ecology
3	2nd Semester	Zooacor03	Acquire knowledge of non-chordates ii
4	2nd Semester	Zooacor04	Acquire knowledge of cell biology
5	3rd Semester	Zooacor05	Acquire knowledge of chordates
6	3rd Semester	Zooacor06	Acquire knowledge of physiology
7	3rd Semester	Zooacor07	Acquire knowledge of biochemistry
8	3rd Semester	Zoossec01	Acquire knowledge of aquarium fish keeping
9	4th Semester	Zooacor08	Acquire knowledge of comparative anatomy: entire syllabus has been completed
10	4th Semester	Zooacor09	Acquire knowledge of physiology: life sustaining system
11	4th Semester	Zooacor10	Acquire knowledge of immunology
12	4th Semester	Zoossec02	Acquire knowledge of vermicompost production
13	5th Semester	Zooacor011	Acquire knowledge of molecular biology
14	5th Semester	Zooacor12	Acquire knowledge of genetics
15	5th Semester	Zooadse01t	Acquire knowledge of animal behaviour and chronobiology:
16	5th Semester	Zooadse02t	Acquire knowledge of entomology (insects and their biology)
17	5th Semester	Zooadse03t	Acquire knowledge of endocrinology
18	6th Semester	Zooacor13	Acquire knowledge of developmental biology
19	6th Semester	Zooacor14	Acquire knowledge of evolutionary biology
20	6th Semester	Zooadse04t	Acquire knowledge of fish and fishery
21	6th Semester	Zooadse05t	Acquire knowledge of parasitology
22	6th Semester	Zooadse06t	Acquire knowledge of wildlife and conservation
23	1st Semester	Zoogcor01	Acquire knowledge on animal diversity
24	2nd Semester	Zoogcor02	Acquire knowledge on physiology and biochemistry
25	3rd Semester	Zoogcor03	Acquire knowledge on insect, vectors and diseases
26	4th Semester	Zoogcor04	Acquire knowledge on environment and public health
27	6th Semester	Zoogdse01	Acquire knowledge on applied zoology
28	6th Semester	Zoogdse02	Acquire knowledge on food, nutrition and health

# Gobardanga Hindu College

## Program Outcomes

### Department of ZOOLOGY

SI No.	PO Master Name
1	PO-1. Apply the knowledge of various branches of Zoology meant both for a graduate course and higher studies.
2	PO-2. Acquire basic skills in the observation and study of nature, biological techniques and scientific investigation.
3	PO-3. Develop positive attitude towards sustainable development.
4	PO-4. Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance.

# Gobardanga Hindu College

## Course Outcomes

### Department of ACCOUNTANCY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Facacor01t financial accounting i	Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
2	1st Semester	Facacor02t principles & practice of management	Students will gain thorough systematic and subject skills within various disciplines of commerce, business, banking, entrepreneurship, accounting, costing, economics, finance, auditing and marketing.
3	2nd Semester	Facacoro4t marketing and human resource management (mhrm)	Students will acquire the skills like effective communication, decision making, problem solving in day to day business affairs.
4	2nd Semester	Facacor03t cost & management accounting i (cma1)	Students can acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
5	6th Semester	Facacor14t research methods & project work (rmpw)	Students will be able to do higher education and advance research in the field of commerce and finance.
6	3rd Semester	Facssec01m information technology & its business application	Students will involve in various co-curricular activities of demonstrate relevancy of theoretical knowledge of their academic major and to gain practical exposure.
7	6th Semester	Facacor13t financial management (fm)	Students will be able to prove proficiency with the ability to engage in professional courses like ca, cs, icwa,mba,cfa etc.
8	3rd Semester	Facacor05t business regulatory framework	Students will gain thorough systematic and subject skills within various disciplines of commerce, business, banking, entrepreneurship, accounting, costing, economics, finance, auditing and marketing.
9	3rd Semester	Facacor06t direct taxation	Students can acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
10	3rd Semester	Facacor07t financial accounting ii	Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
11	4th Semester	Facacor08t company law (cl)	Students will have a thorough learning and application of accounting standards in context of contemporary corporate system and legislation.
12	4th Semester	Facacor09t indirect taxation (itax)	The course focuses on in-depth knowledge of laws relating to consumers, employees, tax and companies.
13	4th Semester	Facacor10t cost & management accounting ii (cma2)	Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
14	4th Semester	Facssec02m tax returns & filing of tax returns (trftr)	Students will involve in various co-curricular activities of demonstrate relevancy of theoretical knowledge of their academic major and to gain practical exposure.
15	5th Semester	Facacor11t auditing	Students will gain thorough systematic and subject skills within various disciplines of commerce, business, banking, entrepreneurship, accounting, costing, economics, finance, auditing and marketing.
16	5th Semester	Facacor12t indian financial system	Students will be able to do higher education and advance research in the field of commerce and finance.

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
<b>17</b>	5th Semester	Facadse01t banking & insurance // fin	Students will gain thorough subject skills within various disciplines of commerce, business, accounting, economics, banking, insurance, finance, and auditing.
<b>18</b>	5th Semester	Facadse02t corporate accounting // fin	Students will have a thorough learning and application of accounting standards in context of contemporary corporate system and legislation.
<b>19</b>	6th Semester	Facadse07t financial statement analysis (fsa)	Students will acquire the skills for analyzing and interpreting financial statements which will help them in taking financial decisions for organizations.
<b>20</b>	6th Semester	Facadse08t business ethics & corporate governance (becg)	Students will gain thorough subject skills within various disciplines of commerce, business, accounting, economics, banking, insurance finance, and auditing

# Gobardanga Hindu College

## Program Outcomes

### Department of ACCOUNTANCY

Sl No.	PO Master Name
1	To do any kind of business and help in nation building process
2	To get admission in the professional courses like CA, ICWA, CS, CFA, MBA
3	To get employment in the government services like audit and account service conducted by West Bengal PSC and UPSC
4	To work as a tax consultant
5	To get employment in SSC, PSC, Railway Service, Banking Service through competitive examinations
6	To get job in the private sector as skilled financial accountant, marketing executive, sales executive, stock market executive.
7	To get admission in M.Com. and prepare for teaching profession and research in the field accounting and finance world, management, etc
8	To involve in the financial and commodity market related job
9	To get admission in the LL.B course and prepared for law practitioner

# Gobardanga Hindu College

## Course Outcomes

### Department of ANTHROPOLOGY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Antacor01t, introduction to biological anthropological	To learn the meaning, aim and scope, biocultural process of evolution, medical and health science.
2	1st Semester	Antacor01p, introduction to biological anthropology	To learn and identify different norma position of human cranium, different bones, assessment of skin colour,nose,ear.
3	1st Semester	Antgcor01t, introduction to anthropology	To know about the holistic approach of man.
4	1st Semester	Antgcor01p, introduction to anthropology	Understand the somatoscopic observation, tools and socioeconomic aspect of man.
5	2nd Semester	Antacor03t, archaeological anthropology	To know about the definition of archaeological anthropology, different dating methods, different environmental aspects and typotechnological tools of different time periods.
6	2nd Semester	Antacor03p, archaeological anthropology	To understand how to draw the different tools types and different cultural ages and their functions.
7	2nd Semester	Antacor04t, fundamentals of human origin and evolution	To understand the specific route of human evolution
8	2nd Semester	Antacor04p, fundamentals of human origin and evolution	To draw and understand the evolutionary route.
9	2nd Semester	Antgcor02t, fundamentals of anthropology	To know about the basic study of anthropology
10	2nd Semester	Antgcor02p, fundamentals of anthropology	To draw and study of tools of different time period, different human bones, and socio-economic study of human life.
11	3rd Semester	Antacor05t,tribes and peasants in india	To understand the different features of tribes/peasants, their constitutional safeguards, different developmental programme and ethnicity
12	3rd Semester	Antacor05p, tribes and peasants in india	To prepare ethnographic report, research proposal, different methods and techniques.
13	3rd Semester	Antacor06t, human ecology	Defining environment and ecology, their adaptions and adaptibility.
14	3rd Semester	Antacor06p, anthropometry	To know about the different landmarks of human body and their measurements
15	3rd Semester	Antacor07t, biological diversity in human populations	Different concepts of biological variability, race, population.
16	3rd Semester	Antacor067p, biological diversity in human populations	To know about the different landmarks of human skull and mandible and their measurements.
17	3rd Semester	Antgcor03t, applications of anthropology	To know about the cultural heritage and how to preserved them,health nutrition, genetic counselling and applied and actinal aspects of developments of society.
18	3rd Semester	Antgcor03p,applications of anthropology	To know about the different landmarks of human body and their measurements.
19	4th Semester	Antacor08t, theories of culture and society	To understand the different cutural environmental theories of different anthropologist.
20	4th Semester	Antacor08p, theories of culture and society	To prepare report on the basis of environmental theories which is given in theory chapter.

Sl No.	Semester	Course Name	Course Outcome
21	4th Semester	Antacor09t, human growth and development	To know about the pre natal and post- natal growth , factors responsible for growth and mal- nutrition.
22	4th Semester	Antacor09p, human growth and development	Statistical analysis of children nutritional status i,e bmi,muac.
23	4th Semester	Antacor10t, research methods	To know about the different methodological aspects of research.
24	4th Semester	Antacor10p, research methods	Statistical analysis, schedule and questionnaire preparation and learning to use modern library and internet information and net searching.
25	4th Semester	Antgcor4t, research methods	To know about the different methodological aspects of research .
26	4th Semester	Antgcor4p, research methods	Field work study for 5-6 day ( socio economic aspects of any tribal or multi-caste village.
27	5th Semester	Antacor11t, human population genetics	To know about the fundamental genetics, ecological genetics, population structure and admixture.
28	5th Semester	Antacor11p, human population genetics	To know about the different blood group typing, identification of sex chromating and ptc test.
29	5th Semester	Antacor12t,anthropology in practice	To know about the applied aspects, role of anthropology, human rights in constitutions.
30	5th Semester	Antacor12p,anthropology in practice	Preparation of project of different developmantal and welfare progamme of panchayet or municipality.
31	5th Semester	Antadse02t, anthropology of health	To understand the different health issues, cultural dimentions, differents measures , legal aspects and future prospects for health.
32	5th Semester	Antadse02p, anthropology of health	To prepare a project report regarding contemporary health care problem and make a schedule og health study.
33	5th Semester	Antadse03t, tribal culture and development	Different developmental issues and different constrains of developments .
34	5th Semester	Antadse03p, tribal culture and development	Tribal maps, project reports on st.
35	5th Semester	Antgdse01t, fundamentals of human origin and evolution	To understand the specific route of human evolution.
36	5th Semester	Antgdse01p, fundamentals of human origin and evolution	To draw and understand the evolutionary route.
37	6th Semester	Antacor13t, forensic anthropology	To know and use about the anthropological aspects in criminology.
38	6th Semester	Antacor13p,forensic anthropology	Identifications of long bones , sex, stature, bloodstain, saliva, finger prints and ridge counting.
39	6th Semester	Antacor14t,anthropology of india	To know about the growth, development and historical perspective of anthropology
40	6th Semester	Antacor14p, anthropology of india	To prepare a project report about the contribution of indian anthropologist and make a book review of indian society.
41	6th Semester	Antadse05t,rural and urban anthropology	To know about the different types of villages, their social structure, changing paterns , new developments.
42	6th Semester	Antadse05p, rural and urban anthropology	Prepare a report on popular cultural performance, report on demography, social-cultural inter relationship.
43	6th Semester	Antadse06p, dissertation (mandatory)	Traditional field work among the tribes or multi caste village regarding their demography, social economic issues, politics, religion, and material culture.
44	6th	Antgdse03t, human growth and	To know about the pre natal and post- natal growth ,

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
	Semester	development	factors responsible for growth and mal- nutrition.
<b>45</b>	6th Semester	Antgdse03p, human growth and development	Statistical analysis of children nutritional status i,e bmi,muac.

# Gobardanga Hindu College

## Program Outcomes

### Department of ANTHROPOLOGY

SI No.	PO Master Name
1	Differentiate among three sub-disciplines of anthropology: biological, social-cultural, and archaeological anthropology
2	Develop their writing skill in preparing a report
3	Conduct a fieldwork by using different anthropological methods
4	Develop their skills in laboratories about techniques used in advanced human genetics and anthropometric and craniometric studies
5	Analyse data and conduct the studies by making a team
6	Understand the importance of taking ethical approvals for conducting any sort of study
7	Communicate easily with others through their gained knowledge
8	Learn the advanced courses related to this discipline in future
9	Have gained the skill to think, analyse, write, and recreate through assignments and project work
10	Be expertise in training in fieldwork in anthropology

# Gobardanga Hindu College

## Course Outcomes

### Department of COMMERCE

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Facgcor01t financial accounting i	Students will gain thorough subject skills within various disciplines of commerce, business, accounting, economics, banking, insurance finance, and auditing
2	1st Semester	Facgcor02t principles & practice of management	Learners will be able to recognize features and roles of businessmen, entrepreneur, managers and consultants, which will help them to possess knowledge and other soft skills required for critical decision making.
3	2nd Semester	Facgcor03t cost & management accounting (cmag)	Students will have a thorough learning and application of accounting standards in context of contemporary corporate system and legislation.
4	2nd Semester	Facgcor04t business mathematics & statistics (bms)	Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
5	3rd Semester	Facgcor06t financial accounting ii	Students will gain thorough systematic and subject skills within various disciplines of commerce, business, banking, entrepreneurship, accounting, costing, economics, finance, auditing and marketing.
6	3rd Semester	Facgcor05t business regulatory framework	Students will be able to pursue their career as financial analyst apart from different positions in the field of accounting, taxation, banking, insurance and corporate law.
7	4th Semester	Facgcor07t direct & indirect taxation (dita)	The course focuses on in-depth knowledge of laws relating to consumers, employees, tax and companies.
8	3rd Semester	Facssec01m information technology & its business appl.	Students can acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
9	4th Semester	Facgcor08t business economics (be)	Students will gain thorough subject skills within various disciplines of commerce, business, accounting, economics, banking, insurance finance, and auditing
10	4th Semester	Facssec02m tax returns & filing of tax returns (trfr)	Students can acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
11	5th Semester	Facggec01t auditing	Students will be able to pursue their career as financial analyst apart from different positions in the field of accounting, taxation, banking, insurance and corporate law.
12	5th Semester	Facgdse01t banking & insurance // fin	Students will be able to pursue their career as financial analyst apart from different positions in the field of accounting, taxation, banking, insurance and corporate law.
13	5th Semester	Facgdse02t corporate accounting // fin	Students will have a thorough learning and application of accounting standards in context of contemporary corporate system and legislation.
14	5th Semester	Facssec03m entrepreneurship development	Learners will be able to recognize features and roles of businessmen, entrepreneur, managers and consultants, which will help them to possess knowledge and other soft skills required for critical decision making.
15	6th Semester	Facggec02t marketing mgmt & human resource mgmt (mhrm)	Students will involve in various co-curricular activities of demonstrate relevancy of theoretical knowledge of their academic major and to gain practical exposure.
16	6th Semester	Facgdse07t financial statement analysis (fsa)	Students will acquire the skills for analyzing and interpreting financial statements which will help them in taking financial

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
			decisions for organizations.
<b>17</b>	6th Semester	Facgdse08t business ethics & corporate governance (becg)	Learners will be able to recognize features and roles of businessmen, entrepreneur, managers and consultants, which will help them to possess knowledge and other soft skills required for critical decision making.
<b>18</b>	6th Semester	Facssec04m business communication & e-commerce (bce-c)	Students will acquire the skills like effective communication, decision making, problem solving in day to day business affairs.

# Gobardanga Hindu College

## Program Outcomes

### Department of COMMERCE

Sl No.	PO Master Name
1	To do any kind of business and help in nation building process
2	To get employment in the government services like audit and account service conducted by West Bengal PSC and UPSC
3	To work as a tax consultant
4	To get employment in SSC, PSC, Railway Service, Banking Service through competitive examinations
5	To get job in the private sector as skilled financial accountant, marketing executive, sales executive, stock market executive.
6	To get admission in M.Com. and prepare for teaching profession and research in the field accounting and finance world, management, etc
7	To involve in the financial and commodity market related job
8	To get admission in the LL.B course and prepared for law practitioner

# Gobardanga Hindu College

## Course Outcomes Department of B.Ed

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Childhood and growing up	The student-teachers will be able to :- 1. explain the concept of growth and development and stages of development with special reference to the stage of adolescence. 2. know about various aspects related to development 3. assess the influence of heredity, environment including socio cultural factors on developmental process. 4. develop the skills of applying the principles of development in improving the teaching-learning process. 5. acquainted with theories, types and factors of motivation, attention and interest. 6. develop skills for identifying and nurturing creativity.
2	1st Semester	Contemporary india and education	The student- teachers will be able to :- 1. comprehend the various constitutional provisions regarding education. 2. develop the knowledge about the recommendations of various commissions and national policies of education. 3. examine the problems and solutions of elementary and secondary education and find out probable solution. 4. acquire the skill to eradicate inequality, discrimination and marginalization in education. 5 develop an idea about national values. 6. know the contemporary issues in education 7. develop the knowledge about various policies on education 8. examine the role and functions of different monitoring agencies of education 9. understand community participation and development in education 10. acquire skill to develop educational planning and management.
3	1st Semester	Language across the curriculum	The student teachers will be able to :- 1. recognize nature, function and role of language across the curriculum. 2. acquaint with obstacles in language usage while using the language and ways to overcome them. 3. understand importance and use of first and second language, multilingualism and impact of culture. 4. familiarize the students with of barriers to (listening, speaking, reading, writing) lsrw skills and activities for developing these skills.
4	1st Semester	Understanding discipline and subjects	The student teachers will be able to :- 1. know the basis of knowledge and branches of emerging knowledge. 2. understand science, mathematics, language and social science as a discipline.
5	1st Semester	Reading and reflecting on texts	The student teachers will be able to :- 1. know the meaning, process, importance and characteristics of reading. 2. appreciate and apply different levels, types, techniques and methods of reading. 3. acquaint with the skills of reading different types of texts. 4. develop different types of reading skills through various activities and met cognition. 5. learn the skills of reading comprehension and to enhance vocabulary. 6. acquaint with the problems of reading across curriculum.
6	2nd Semester	Learning and teaching	The student teachers will be able to :- 1. comprehend the range of cognitive capacities among learners. 2. reflect on their own implicit understanding of the nature and kinds of learning. 3. gain an understanding of different theoretical perspectives on learning. 4. demonstrate his/her understanding of different skills at different phases of instruction. 5. understand the process of teaching and engage in teaching with proper approach. 6. develop skills required for teaching
7	2nd Semester	Pedagogy of a school subject part i	The student teachers will be able to :- 1. merit effective and constructive acquaintance with the basic foundations of language teaching in india and west bengal. 2. acquire practical expertise in pedagogical analysis and develop behavioural competencies in teaching skills. 3. apply principles abstracted from the study of various methods and approaches as regards

Sl No.	Semester	Course Name	Course Outcome
			purpose and procedure of planning lesson. 4. work out and practice strategies for teaching language skills and communication skills. 5. credit working acquaintance with concepts of language learning assessment. 6. turn in to resourceful user of different kinds of language test. 7. explore and experience various resources for target language learning. 8. try out various means of organizing various resources for target language learning.
8	2nd Semester	Knowledge and curriculum-part-i	The student teachers will be able to :- 1. introduce themselves to perspectives in education focusing on epistemological, philosophical and sociological bases of education. 2. distinguish between knowledge and skill, teaching and training, knowledge and information and reason and belief. 3. understand education in relation to constitutional goal, social issues and modern values. 4. understand the concept, scope and objectives of education. 5. design curriculum in the context school experiences, evaluation, power, ideology, process and practice & its transactional modes.
9	2nd Semester	Assessment for learning	The student teachers will be able to :- 1. get basic knowledge of assessment for learning. 2. know different techniques of evaluation, tools of evaluation and their uses. 3. know different characteristics of instruments of evaluation. 4. understand different aspects of the complexities of the learning system. 5. understand the relationship between school and the community. 6. acquire knowledge about physical, infrastructural and human resources available in the schools. 7. understand the curricular process in the school. 8. evaluate the school effectiveness and other functional aspects of the schools. 9. explore the students support services available and achievements of the schools.
10	2nd Semester	Drama and arts in education	The student teachers will be able to :- understand the use of 'drama' as pedagogy. use 'role play' technique in the teaching learning process. understand the importance of dramatic way of presentation. integrate singing method in teaching learning process. understand various 'dance forms' and their integration in educational practices. use art of drawing and painting in teaching learning process. develop creativity through different creative art forms. understand the efficacy of different art forms in education.
11	3rd Semester	Pedagogy of a school subject part-ii	The student teachers will be able to :- 1. design appropriate teaching – learning strategy/approach suited to particular content. 2. be at home with the principles of constructing content analysis of school curriculum. 3. use ict and various teaching aids in teaching of languages. 4. understand the historical development of language teaching. 5. develop various skills related to language learning. 6. prepare a blueprint before entering into a class.
12	3rd Semester	School internship	At least 60 learning designs should be delivered (duly prepared and approved learning designs by the teacher educators). 1. during this semester the student teachers are acquainted with the overall conduct of the school activities and record keeping. it may include morning assembly, class time table, attendance register, stock register, mid-day meal, conduct of periodical meetings, purchase and consumption and co-curricular activities. 2. student teachers will be able to recognize the needs of in-service programme. 3. internship, as such, orients and acquaints the student teachers with the overall working of the school to make him/her fit to conduct himself/ herself in all activities of the school.
13	4th Semester	Gender, school and society	The student teachers will be able to :- 1. develop gender sensitivity among the student teachers. 2. understand the gender issues faced by the schools. 3. understand the paradigm shift with reference to gender studies. 4.

Sl No.	Semester	Course Name	Course Outcome
			understand how gender, power and sexuality relate to education (in terms of access, curriculum and pedagogy).
14	4th Semester	Knowledge and curriculum-part-ii	The student teachers will be able to :- 1. realize the concepts of curriculum and syllabi. 2. discover the relationship between power, ideology and curriculum. 3. design curriculum in the context of school experiences, evaluation, power, ideology, process and practice & its transactional modes.
15	4th Semester	Creating an inclusive school	The student teachers will be able to :- 1. sensitise to the concept of inclusive education and social inclusion 2. familiarize with the legal and policy perspectives behind inclusion in education 3. understand the types, probable causes, preventive measures and characteristics of different types of disability. 4. understand street children, platform children, and orphans, children born and brought up in correctional homes, child labour and other socioeconomically backward children. 5. know how inclusion can be practiced in mainstream class.
16	4th Semester	Health and physical education	The student teachers will be able to :- build a scenario of health education in india. develop a knowledge base of the most common and uncommon 3.diseases in india; their diagnosis & remediation. learn the tech related health risks & learn how to fix these. study the health education vision & mission of india.
17	4th Semester	Environmental and population education	The student teachers will be able to :- 1. understand the concept of population and environmental education 2. know the objectives and methods of teaching environmental and population 3. be aware of population and environmental education policies 4. help teachers students analyse the various issues related to population and environmental education.
18	4th Semester	Guidance and counselling	The student teachers will be able to :- 1. understand guidance and counselling in details 2. understand the mental health 3. develop the knowledge about adjustment and maladjustment. 4. acquire skill to develop tools and techniques.
19	4th Semester	Work and vocational education	The student teachers will be able to :- 1. make a teacher-trainee aware of the modern approaches to teaching of work education in the perspectives of its development from traditional approaches. 2. make the teacher-trainee acquainted with the basic skills required for the inculcation of the modern approaches to teaching of work education. 3. make the teacher trainees aware of different methods of teaching suitable to different topics of work education. 4. make the teacher trainees acquainted with the ways and means for managing class-room from the stand point of inclusive education.

# Gobardanga Hindu College

## Program Outcomes

### Department of B.Ed

Sl No.	PO Master Name
1	PO 1. Critical Thinking:- Analyse teaching skills through simulated teaching and micro teaching and pedagogical analysis of contents of subjects or methods and application of these in classroom situations.
2	PO 2. Competency in Teaching:- Use learner-centric teaching methodology, develop effective learning designs based on different teaching models as per the needs and abilities of students.
3	PO 3. Effective Communication:- Communicate with students using discussions and debates in classrooms and practice linguistic and communication skills in Teaching learning process.
4	PO 4. Innovative Teaching:- Evolve a system of education that leads to acquire, retain, use and transform knowledge, encourage to build learning society through experiential, transformational and creative pursuit of knowledge.
5	PO 5. Team Teaching/ Collaborative Learning:- Perform as an useful member or leader of a team in multilingual, multidisciplinary and multilingual classroom atmosphere where collaborative and cooperative learning and team teaching could be effectively
6	PO 6. Sensitivity towards Inclusion:- Create inclusive classroom environment for differently abled students, providing adequate infrastructural facilities and provisions for guidance and counselling programme.
7	PO 7. Sustainable Environmental Education:- Understand the positive effect of environmental education and population education and need for sustainable development.
8	PO 8. Effective Citizen Ethics:- Understand values and ethics of the society and execute the responsibilities of effective citizenship.

# Gobardanga Hindu College

## Course Outcomes

### Department of BENGALI

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Bngacor01t: pre-modern history of bengali literature	1) to give a concept about different trends of medieval bangla literature that it can be placed as a cultural base of modern era. 2) to create a sense of history and historical analysis about literature among the students. 3) studying history of bengali literature helps students to know about religion, society, culture and development of bengali literature.
2	1st Semester	Bngacor02t: pre modern bengali textual reading	1) to make students aware of basic textual nuances of medieval and modern bengali literature. 2) students will able to find the origin and history of charyagiti. students will learn the philosophical idea of buddhism. 3) to give basic ideas about the vaishnava padavali & shakta padavali on medieval period to the students. to make students aware of vaishnava and shakta religion and philosophy. to give basic ideas about religious literature and social values of this form of literature.
3	1st Semester	bngghec01t: বাংলা সাহিত্য এবং বাঙালির সংস্কৃত চর্চার ইতিহাস	
4	2nd Semester	Bngacor03t: linguistics	1. to give a concept of origin & development of bangla language. 2. the origin of bengali language in the historical context how bengali language originated from indo-european or aryan family of languages and changed over time and how it varies from place to place. 3. along with that the paper contains topics from phonology, syntax, semantics, socio-linguistics. 4. has thorough awareness and understanding of multilingualism. 5. classification of dialect and the characteristics of various dialect.
5	2nd Semester	Bngacor04t: history of modern bengali literature	1. genre of bengali prose and essay: origin of prose and essay in early 19th to 20th century. 2. origin and development of bengali drama : where a rapid change of contents, language, and forms of drama from ramnarayan tarkaratna to badal sarkar. 3. origin and development of bengali poetry : from iswargupta to shakti chattopadhyay. main features of poems like modernism, post-modernism, symbolism, sur-realism and others. 4. origin and development of bengali novel : pioneer of modern novel, bankim ch. chattopadhyay. and it developed by sunil gangopadhyay.
6	3rd Semester	Bngacor06t: bengali drama and theatre	Bengali theatre is famous for its art and cultural lineage. bengali drama is also very rich and popular form of literature. apart from their literary implications they offers good careeristic option as well.
7	3rd Semester	Bngacor07t: bengali prose and essays	The history of bengali prose and essays are very essential part of the bengali literature. the scope of bengali prose and essays are very much wide. they help understand different facets of life with a critical vent.
8	4th Semester	Bngacor09t: rabindra sahitya	Rabindranath tagore, the first noble laureate in asia is the fountain head of bengali literature. a lifelong follower of truth and beauty, he gave expression of all the feelings of human mind. tagore tried his hand in all the branches of literature life poetry, drama, novel, short story music painting. though he was firmly rooted in indian culture, he incorporated in his writings both the literary forms and humane values extent in western literature. this course is designed

SI No.	Semester	Course Name	Course Outcome
			to make the students understand the uniqueness of tagore's writings. objective of this paper is to catch a glimpse of his autobiography, short stories, poems & plays.
9	4th Semester	Bngacor10t: literary form & theory	<ul style="list-style-type: none"> <li>literary contents depend on literary forms. the objective of this paper is to enable students to understand genre of literature – poetry, fiction, drama, essays; so that they develop skill to analyze literature.</li> <li>literary movements, debates are integral parts of a literature. the objective of this paper is to catch a glimpse of these movements &amp; to give an idea of aesthetics which is the source of all art forms.</li> <li>to give a concept of oriental &amp; western literary theories which help to analyse bangla literature.</li> </ul>
10	5th Semester	Bngacor11t: bengali fiction	<ul style="list-style-type: none"> <li>to give an idea how within two decades bangla novel ts heights according to its contemporary fictions of the world literature</li> <li>this course deals with the forms and features of contemporary novels, aiming at introducing the student to the analysis of a novel as a relatively long work of narrative fiction in prose and imparting a more mature understanding to the students about the challenging issues of the contemporary such as conflicts of interests between the society and the individual, the socio-cultural canopy of casteism, religious taboos, women's position in the bengali household, people's struggle for socio-economic and political existence.</li> </ul>
11	5th Semester	Bngacor12t: bengali short stories	<ul style="list-style-type: none"> <li>to give an idea how within two decades bangla short stories could set its heights according to its contemporary world literature.</li> <li>acquainting students with the development of the short story as a genre from its origin to its post-independence modern form, helps them understand the changing times.</li> <li>the form of the short story reveals to them the transition from the old-world order to the new</li> </ul>
12	6th Semester	Bngacor13t: history of sanskrit, english, hindi, ohomia literature	<ul style="list-style-type: none"> <li>history of sanskrit: students learn about the inception and development of sanskrit. they also gain knowledge about how sanskrit has influenced the bengali language.</li> <li>history of english literature: the various literary periods and the influence they had on modern bengali literature are discussed here.</li> <li>history of hindi literature: the students are acquainted with such writers as munshi premchand, faniswarnath, renu, mahadevi barma, suryakanta tripathi, and their styles and outlook towards the society.</li> <li>history of ohomia literature: ohomia literature and its history familiarises students with the varied regional cultures and arouses the spirit of kinship among them.</li> </ul>
13	6th Semester	Bngacor14t: bengali travelogue	<ul style="list-style-type: none"> <li>students will be able to gain a complete knowledge on bengali traveller. the paper includes close textual study of travelogue from both the centuries.</li> <li>travelogue encompasses nature writing and travel memoirs by krishnavamini devi, rabindranath tagore, syed mujtaba ali, nabanita debsen. understanding these travelogues from a gender perspective.</li> <li>apart from learning the aesthetics and critical approaches to the genre, students also learn about the lifestyle, food habit, language culture of far off places.</li> </ul>
14	5th Semester	Bngadse01t:medieval bengali literature	<p>1. in the 1st module of this paper there is text of 'ramayana' of poet krittibas. krittibas was the most popular poet of medieval bengali literature. krittibas has translated the epic of valmiki in completely bengali style and touched the mindset of bengalees forever. so this is very important in bengali culture.</p> <p>2. the 2nd module is 'manasamangal' of bipradas pipilai. tales about manasa is very ancient in the culture of bengal and it has influenced bengal's culture, society, polity everything. as bipradas pipilai is a</p>

Sl No.	Semester	Course Name	Course Outcome
			poet of north 24 pargana district so his text is very effective in the syllabus of a college which is situated in north 24 parganas district. as most of all students of this college belong to this district so this text will help them to know about their district's history. 3. the 3rd module of this paper is 'mangalchandir geet' by dwija madhab. as it is a text which is influenced by bengal's tantra, it will help students to know the religious culture of bengal of that time. 4. the last piece of this paper is 'annadamangal kabya' of bharatchandra. this is a documentary which reflects the complete history, politics and social condition of 18th century's bengal.
15	5th Semester	Bngadse02t: bengali prose	<ul style="list-style-type: none"> <li>to develop a concept to study bangla essays of 19th &amp; 20th centuries along with trends of literary criticism in bangla.</li> <li>students understand the social and professional nepotism that was and is still in practice among the socially, financially, professionally acclaimed people because of their inflated and false ego.</li> <li>they can see through the writings of bankimchandra chattopadhyaya to buddhadeb bose, including rabindranath tagore and swami vivekananda, how bengali prose become rationalistic, socialistic, contextual and relevant to bengali society and culture.</li> </ul>
16	6th Semester	Bngadse05t:bengali fiction: in context of famine partition & riots	<ul style="list-style-type: none"> <li>the famine of 1940's in bengal and knows about the literature on famine.</li> <li>world wars, the great famine and the partition take centre-stage in the study of the post-colonial literary space. the students will focus on the breakdown of values, changing society and economic upheaval to understand the complexities of post-colonial bengali literature through fiction.</li> </ul>
17	4th Semester	Bngssec02m: printing & publication	<ul style="list-style-type: none"> <li>how to use microsoft office - power point presentation, typing, layout &amp; page setting, cover design.</li> <li>to help students to develop their skill in copy editing, page layout &amp; publishing books in bangla.</li> <li>this course of bangla language will help a student to enhance reading-writing-communication skill of bangla language.</li> <li>to provide sufficient practice in vocabulary, grammar, letter writing from the perspective of career oriented tests.</li> <li>equip them with basic knowledge to pursue careers in publishing, journalism.</li> </ul>
18	1st Semester	Bnglcor01t:nineteenth century bengali prose and verse	In nineteenth century, renaissance referred largely to social, cultural, intellectual changes in bengal. in this era,there was modernisation of bengali language as well as bengali literature in forms of prose and verse. these newly immerged dimensions of literature truly represent time and our tradition and leave bearing upon the readers.
19	2nd Semester	Bnglcor02t:bengali drama & fictional literature of 20th century	(1) the twentieth century referred largely to social, cultural, intellectual changes in bengal. (2) in this era,there was modernisation of bengali drama and fiction as well as bengali literature in forms of mainly prose. (3) these newly immerged dimensions of literature truly represent time and our tradition and leave bearing upon the readers.
20	1st Semester	Bnghgec01t / bnggcor01t: bengali literature & cultural history	<ul style="list-style-type: none"> <li>to give the idea of the inextricable interconnection between literature and culture.</li> <li>to give a concept about different trends of bangla literature that it can be placed as a cultural base of modern era.</li> <li>students will able to find the origin and history of charyagiti.</li> <li>students will learn the philosophical idea of buddhism.</li> <li>to give a basic ideas about non-aryan bengali literature. students will able to find social impact.</li> <li>students will learn how much vakti dharma influenced bengali literature. to make students aware about vaishnava and shakta religion and philosophy. to give basic ideas about religious literature and social values of this form of</li> </ul>

SI No.	Semester	Course Name	Course Outcome
			literature. • to develop a concept of history of bangla kabigan in 18th & 19th centuries. the paper includes close textual study of kabigan from both the centuries.
21	2nd Semester	Bnghgec02t / bnggcor02t: histiry of bengali language and linguistics	To give a concept of origin & development of bangla language. 1) the origin of bengali language in the historical context how bengali language originated from indo-european or aryan family of languages and changed over time and how it varies from place to place. 2) the paper contains topics from phonology, syntax, semantics, socio-linguistics. 3) classification of dialect and the characteristics of various dialect.
22	3rd Semester	Bnghgec03t / bnggcor03t: biography in literature	Biography and its relationship to literature is often a subject of literary criticism. so,it is very helpful to makev critical analysis towards literature and life.
23	5th Semester	Bnggdse01t	1.idea about science fiction 2. idea about detective stories based on fiction 3. this course brings the innovation in the manner of thinking.
24	6th Semester	Bnggdse03t	Crystal clear idea about any subject. those subjects are :- political, social (equality), great personality centered, religious, economie etc.

# Gobardanga Hindu College

## Program Outcomes

### Department of BENGALI

Sl No.	PO Master Name
1	Students develop understanding of ideas, cultures, anthropology, sociopolitics, and language.
2	Students will develop their mental faculties and ways of thinking by reading, writing, and studying Bengali literature of ancient, medieval and modern period.
3	Students will develop skill for comparative analysis of vernacular language with other neighboring literature.
4	The intelligence, skill and emotional development of students are achieved by Literary criticism.

# Gobardanga Hindu College

## Course Outcomes

### Department of BOTANY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Course i; botacor01t	<ul style="list-style-type: none"> <li>• students will be able to get an idea of three domain concept of microorganisms.</li> <li>• students will learn general characters, nutritional type, growth of bacteria.</li> <li>• students will be able to know the cell wall structure of bacteria. they will understand the difference among eubacteria, archaebacteria, mycoplasma.</li> <li>• they will be able to understand what sexual reproduction is really mean in bacteria.</li> <li>• students will learn uses of microbes in daily life.</li> <li>• they will be able to understand the physiochemical, biological and general structure of virus. they will learn actual reproduction procedure of virus.</li> <li>• students will get an idea about the difference between virus, viroids and prions.</li> <li>• students will acquire knowledge how to do gram staining procedure on bacteria.</li> <li>• students will learn the general characteristics, ecology and distribution, range of thallus organization, cell structure of algae.</li> <li>• students will able to classify the algae.</li> <li>• students will be able to understand the difference between chlorophyta and charophyta.</li> <li>• they will understand chlorophyta and charophyta.</li> <li>• students will able to understand reproductive and vegetative structure of different types of algae like nostoc, volvox, oedogonium, chara, vaucheria, ectocarpus, fucus.</li> </ul>
2	1st Semester	Core course; course codebotacor02t	<ul style="list-style-type: none"> <li>• students will be able to get an idea about biomolecules.</li> <li>• students will be able to learn about the role of carbohydrate , protein , lipid in our body.</li> <li>• students will acquire knowledge about the genetic material of living organism.</li> <li>• they are supposed to knowledge about thermodynamics.</li> <li>• they will be able to make a chart on classification of enzymes.</li> <li>• students will understand the mechanism of enzymes in various reactions.</li> <li>• they will be able to get an idea about living cell.</li> <li>• they will be acquired the knowledge about cell organelles and their function.</li> <li>• to apply their knowledge students can make models of cell.</li> <li>• students will know about cell division procedure and body growth.</li> <li>• students will be able to identify cancerous cells through characters of body cells.</li> <li>• they will be able to identify different stages of cell division from slides.</li> </ul>
3	2nd Semester	Core course: iii course code: botacor03t	<ul style="list-style-type: none"> <li>• students will get an idea about fungi.</li> <li>• students will be able to acquire knowledge the relationships with plants and animals.</li> <li>• they will get knowledge about the cell wall composition.</li> <li>• they will acquire knowledge about the mode of nutrition and reproduction in fungi.</li> <li>• they will go through the processes of mushroom cultivation.</li> <li>• students will get idea about the significance of lichen and mycorrhiza.</li> <li>• they will achieve the role of fungi in biotechnology and food industry as well as in agriculture.</li> <li>• they will gather knowledge about concepts and symptoms of plant diseases.</li> <li>• students will be able to know the control measures of plant diseases.</li> <li>• they will develop a general idea about bacterial, viral and fungal plant diseases.</li> </ul>
4	2nd Semester	Core course iv; course code- botacor04t	<ul style="list-style-type: none"> <li>• students will be able to learn bryophyte and its general characters and classification.</li> <li>• students will learn uses of bryophytes in terms of ecology and economy.</li> <li>• students will learn reproductive structure of bryophytes.</li> <li>• students will be able to know general characteristics and classification of pteridophytes.</li> <li>• students will acquire knowledge on reproductive structure of pteridophytes.</li> <li>• students will gain knowledge on telome theory, heterospory and seed habit.</li> <li>• students will learn uses of pteridophytes in terms of ecology and economy.</li> <li>• students will be able to learn gymnosperm and its general characters and classification.</li> <li>• students will learn uses of gymnosperm in terms of ecology and economy.</li> <li>• students will be able to</li> </ul>

Sl No.	Semester	Course Name	Course Outcome
			understand dissimilarity of algae and bryophyte, bryophyte and pteridophytes, pteridophytes and gymnosperm.
5	3rd Semester	Core course v; course code botacor05t	<ul style="list-style-type: none"> <li>• 1. students will be able to understand inflorescence pattern of flower in plant.</li> <li>• 2. students will learn detail structure of flower and its parts.</li> <li>• 3. students will learn different types of fruit structure and seed structure.</li> <li>• 4. students will acquire knowledge on plant tissue system, different types of plant cells, internal organization of plant body.</li> <li>• 5. they will learn classification of tissue and xylem and phloem system</li> <li>• 6. students will learn different types of pits found in plant body. they will understand function of plasmodesmata.</li> <li>• 7. students will learn how to prepare permanent slide using double staining method.</li> <li>• 8. students will learn adaptive features of xerophytes and hydrophytes.</li> <li>• 9. students will be able to understand function of cambium and secondary activities occurred in root and stem. they will be able to differentiate between monocot and dicot root and stem by observing anatomical features.</li> <li>• 10. students will be able to making connection between evidence and crime.</li> <li>• 11. students will be acquired the knowledge about botanical evidences.</li> <li>• 12. students will understand the various structures of wood anatomy, leaf anatomy and nodal anatomy.</li> </ul>
6	3rd Semester	Core course: vi course code: botacor06t	<ul style="list-style-type: none"> <li>• • students will be able to know the origin of centres of cultivated plants, and their importance.</li> <li>• they will get the examples of major plant introduction.</li> <li>• they will get the idea about the domestication of different crops.</li> <li>• students will gather the knowledge of wheat and rice cultivation and their uses.</li> <li>• they will know the uses of chick pea and pigeon pea.</li> <li>• they will have the knowledge about importance of legumes to man and ecosystem.</li> <li>• they will have the knowledge about importance of legumes to man and ecosystem.</li> <li>• students will be able to know the processing of sugarcane and their products &amp; by-products.</li> <li>• they will get knowledge about economic importance of fennel, clove, saffron, black pepper and their family also.</li> <li>• they will acquire the knowledge of tapping, processing of para-rubber and it's uses.</li> <li>• students will be able to gather the health hazards of tobacco, cannabis, digitalis and papaver.</li> <li>• they will get idea about the uses of teak and pine.</li> </ul>
7	3rd Semester	Core course vii; course code botacor07t	<ul style="list-style-type: none"> <li>• • students will be able to know about the heredity pattern among generations.</li> <li>• students will have knowledge about the mendelian inheritance law.</li> <li>• students will be able to apply the acquired knowledge to identify disease inherited from generation to generation.</li> <li>• students will get an idea about modifications of mendellian inheritance.</li> <li>• they will be able to organize awareness program among the public about genetically inherited diseases and it's precautions.</li> <li>• students will be able to identify chromosomal abnormality from photographs.</li> <li>• they will be able to study the chromosome number in different species.</li> <li>• students will have knowledge about the cell division and it's different stages.</li> <li>• to apply there knowledge students will do dna repair mechanism in case of mutation.</li> <li>• students will be able to know how to stain chromosome.</li> </ul>
8	4th Semester	Core course viii; course code botacor08t	<ul style="list-style-type: none"> <li>• 1. students will be able to learn the basic mendelian genetics.</li> <li>• 2. they will be able to understand principles of inheritance; chromosome theory of inheritance; autosomes and sex chromosomes; probability and pedigree analysis; incomplete dominance and codominance;</li> <li>• 3. students will gain knowledge on linkage, crossing over and its cytological basics.</li> <li>• 4. students will be able to learn about chromosomal mutation and gene mutation. they will acquired the knowledge on genetic disease caused</li> <li>• 3) students will be able to learn types of nucleic acids.</li> <li>• 6) to study the extra nuclear genetics.</li> <li>• 7) they will understand details mechanism of dna replication and protein synthesis.</li> <li>• 8 . students will be able to learn about introns and exons and how cells remove introns from rna.</li> <li>• 9. students will be able to understand details</li> </ul>

Sl No.	Semester	Course Name	Course Outcome
			mechanism of rna editing and splicing mechanism. 10. students will learn about genetic code and its salient features. 11. students will learn how to prepare lb medium and why its important. they will be able to learn dna isolation procedure. 12. they will acquired knowledge on the structures of prokaryotic rna polymerase and eukaryotic rna polymerase ii. 13. the students will be able to apply the molecular knowledge in metabolic engineering of transgenic plant to produce biologically important products. 5. students will be able to pertain knowledge on molecular breeding methods that are coupled with genetic engineering.
9	4th Semester	Core course: ix course code: botacor09t	<ul style="list-style-type: none"> <li>• students will have an idea on plant ecology.</li> <li>• they will be able to know the origin and importance of soil.</li> <li>• they will get knowledge about physical, chemical and biological components of soil.</li> <li>• they will gather knowledge of different states of water in the environment.</li> <li>• they will acquire the knowledge about food chain, food webs in ecosystem.</li> <li>• students will be able to know the different types of pyramids.</li> <li>• they will get the idea about habitat and niche, ecotone and edge effect.</li> <li>• they will be able to know the different types and processes of plant succession.</li> <li>• students will acquire knowledge about cycling of carbon, nitrogen and phosphorus.</li> <li>• they will get the brief idea of tropical rainforest, temperate grassland and tundra forest.</li> </ul>
10	4th Semester	Core course x; course code botacor10t	<ul style="list-style-type: none"> <li>• student will be able to get an idea about plant identification and nomenclature.</li> <li>• students will be able to learn about the functions and importance of herbarium and botanical garden.</li> <li>• students will acquire knowledge about the classification of plants.</li> <li>• they will gather knowledge about principles and rules of icn.</li> <li>• they will be able to get an idea about the phylogeny of angiosperms.</li> <li>• they will be able to make a chart on classification systems of bentham and hooker.</li> <li>• students will understand the importance of cladogram and phenogram.</li> <li>• to apply their knowledge students can make herbarium sheets.</li> <li>• students will be able to identify the genus of plants by their identifying features.</li> <li>• students will know about the morphology of plants.</li> </ul>
11	5th Semester	Core course xi course code : botacor11t	<ul style="list-style-type: none"> <li>• students will be able to get an idea about plant reproductive biology .</li> <li>• students can describe morphological and reproductive characters of plants and also identified different plant families and classification .</li> <li>• students acquire fundamental botanical knowledge through theory and practicals.</li> <li>• they will understand the morphological and reproductive characters of spermatophytic plants.</li> <li>• to know about the scopes and application of npc system.</li> <li>• to bring investigation of palynological study in india.</li> <li>• understand the different types of ovule formation.</li> <li>• students will be able to learn in-vitro fertilization and parasexual hybridization.</li> <li>• understand the detailed structure of mature embryo sac.</li> </ul>
12	5th Semester	Core course xii; course code botacor12t	<ul style="list-style-type: none"> <li>• students will be able to understand water potential and its components.</li> <li>• relationship among turgor pressure, osmotic pressure and wall pressure. students will learn symplast and apoplast. students will learn cohesion-tension theory, transpiration and factors affecting transpiration, antitranspirants.</li> <li>• students will learn mechanism of stomatal movement and aba role in it.</li> <li>• students will able to understand the pressure flow model and how phloem loading and unloading occure in plant cell. they will also understand source- sink relationship in plant.</li> <li>• students will knowledgeable in plant and its water relations.</li> <li>• students will able to gain knowledge on role of micronutrients in plant growth, their development and understand the mechanism of nitrogen metabolism.</li> <li>• students will be knowledgeable about different types of plant hormones and their comercial applications.</li> <li>• students will experience in plasmolysis, light intensities were influenced on transpiration, stomata size and number are responsible for transpiration rate.</li> <li>• students will be able to understand meaning of bioassay of plant growth</li> </ul>

Sl No.	Semester	Course Name	Course Outcome
			substances. • students will be knowledgeable about phytochrome and their role in flowering and photomorphogenesis.
13	6th Semester	Core course xiii; course code botacor13t	<ul style="list-style-type: none"> <li>• students will be able to understand the procedure of photosynthesis.</li> <li>• students will be able to get knowledge about different pathways of metabolism.</li> <li>• they will apply their knowledge to separate photosynthetic pigments.</li> <li>• they will be able to get knowledge about role of different enzymes in metabolism.</li> <li>• students will be able to know the importance of glycolysis procedure.</li> <li>• they are expected to compare the rate of respiration in different parts of a plant.</li> <li>• students will be able to acquire knowledge about the activity of lipases in germinating oil seeds.</li> <li>• students will apply their knowledge about nitrogen fixation in agricultural field.</li> <li>• they will be able to get an idea about atp synthesis.</li> <li>• they will be able to know the effect of light intensity on the rate of photosynthesis.</li> <li>• students will have knowledge about the factors of respiration.</li> <li>• they would acquire knowledge about the role of mitochondria in glycolysis.</li> </ul>
14	6th Semester	Core course xiv; course code botacor14t	<ul style="list-style-type: none"> <li>• student will understand the basic properties of plant cell and with apply the their basic knowledge of ptc in various fields for conservation, medicine, product development etc.</li> <li>• students will learn basic principles and modern age applications of recombinant dna technology.</li> <li>• students will be learning molecular and technical skills along with applications of the instrumentation.</li> <li>• students will be able to understand designing/conducting experiments and analysing experimental data.</li> <li>• they will be able learn the micro and megasporogenesis know about the morphogenesis and organogenesis in plants.</li> <li>• they will learn applications of biotechnology in plant, animal and human welfare biotechnology and ipr, biosaftey, biopiracy, bioterrorism and bioethics.</li> <li>• students will be able to know the different types of vectors for recombinant dna like prokaryotic (pbr322, ti plasmid, bac); lambda phage, cosmid; eukaryotic vectors (yac).</li> <li>• they will acquired knowledge on application of biotechnology for human welfare. students will learn gel electrophoresis technique for dna isolation.</li> <li>• students will be able to learn how to construct restriction map of circular and linear dna.</li> </ul>
15	5th Semester	Core course: dse: 1 course code: botades01t	<ul style="list-style-type: none"> <li>• students will be able to know different types of natural resources those are found in earth.</li> <li>• students will learn how to utilise resources sustainably.</li> <li>• students will be able to know utilisation of soil.</li> <li>• students will learn different types of waterbody and their threats and manegement.</li> <li>• students gaining competencies to manage seed production in an agricultural enterprise.</li> <li>• students will gain knowledge on biodiversity and its types, significance, threats.</li> <li>• students will be able to understand eia, gis, participatory resource appraisal.</li> <li>• students will be able to calculate ecological footprint.</li> <li>• students will be able to learn about unesco,bsi.</li> </ul>
16	5th Semester	Core course: dse: 2 course code: botades02t	<ul style="list-style-type: none"> <li>• they will have the knowledge of some ornamental flowering plants like rose, marigold, gladiolus, carnation and gerberas etc.</li> <li>• they will acquire knowledge about the management and marketing of vegetables and fruits crops.</li> <li>• students will be able to know the identification of some fruits like citrus, banana, mango and chillies.</li> <li>• they will have idea regarding fertilizers nutrients and pgrs, biofertilizers and biopesticides.</li> <li>• they will acquire knowledge the various methods of hydroponics.</li> <li>• students will have the knowledge about mughal and japanese garden.</li> <li>• they will develop their experience on bonsai and cut-flowers.</li> <li>• they will get an idea about the flower shows and exhibition.</li> <li>• they will acquire knowledge on disease control and management and post-harvest technology.</li> </ul>
17	6th Semester	Core course: dse: 4 course code: botades04t	<ul style="list-style-type: none"> <li>• students will able to know the principles of microscopy.</li> <li>• they will get an idea about pcr technique.</li> <li>• they will get the knowledge about different techniques of biology.</li> <li>• students will be able to calculate the mean , median , mode of any data.</li> <li>• students will be able to identify different microscopic</li> </ul>

Sl No.	Semester	Course Name	Course Outcome
			techniques from photographs. • students will use there knowledge to separate dna(marker) using age technique. • student will get knowledge about the isolation of chloroplasts by differential centrifugation. • they will able to apply their knowledge in chi-square test for goodness of fit. • they will able to acquire knowledge about the role of radioisotopes in biological research. • students will be able to get an idea about how to prepare a permanent slide.
18	6th Semester	Discipline specific elective course code : botadse06t	<ul style="list-style-type: none"> <li>• students will understand the scope and importance of biostatistics .</li> <li>• they will able to understand the scope and some basic terminology like sampling , data , dispersion , population , central tendency etc.</li> <li>• they will able to get knowledge to apply statistical analysis to biological data for testing different hypothesis .</li> <li>• students should be able to calculate f-value and finding out the probability value from this.</li> <li>• student should be able to calculate mean , median , mode , deviation from given data .</li> <li>• they will gather knowledge about correlation and regression .</li> <li>• students will able to inculcates the scientific temperament in the students and outside the scientific community .</li> <li>• students are able to use many statistical formulas and make suitable table.</li> </ul>
19	3rd Semester	Course code : botssec01m	<ul style="list-style-type: none"> <li>• students will be able to know about biodiversity of different area.</li> <li>• students will understand the value of plants.</li> <li>• they will be able to make a chart on different organization associated with biodiversity management.</li> <li>• they will be able to apply their knowledge in their daily life in biodiversity conservation.</li> <li>• they will be able to aware mass about the importance of plant.</li> <li>• students will know about the commercial importance of plants.</li> <li>• students will be able to make a relation between ecosystem and biodiversity.</li> <li>• they will acquire knowledge about different types of biodiversity conservation.</li> <li>• they will understand the role of different organizations in biodiversity conservation.</li> <li>• students will be able to organize biodiversity awareness programme.</li> </ul>

**Gobardanga Hindu College**  
**Program Outcomes**  
**Department of BOTANY**

<b>Sl No.</b>	<b>PO Master Name</b>
<b>1</b>	PO-1. Understand structure, function and life-cycle patterns of different plant life-forms.
<b>2</b>	PO-2. Achieve an up-to date level of understanding of plant physiology, ecology and biochemistry.
<b>3</b>	PO-3. Identify plant diseases, causing organisms and their control measures.
<b>4</b>	PO-4. Identify plants in their natural habitats, their economic and ethno-botanical importance.
<b>5</b>	PO-5. Differentiate between different types of ecosystems and their structural components.
<b>6</b>	PO-6. Evaluate services provided by different ecosystems in Himalayan region.
<b>7</b>	PO-7. Understand and solve problems related to climate change and global warming.
<b>8</b>	PO-8. Isolate and identify phytochemicals in different plant species and their antimicrobial potential. PO-9. Analyse regeneration status of different tree species in their natural habitat.
<b>9</b>	PO-9. Develop strategies for conservation of rare and threatened plant species.
<b>10</b>	PO-10. Develop protocol for propagation of economically and medicinally important plant species through plant tissue culture.

# Gobardanga Hindu College

## Course Outcomes

### Department of COMPUTER SCIENCE

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Cmsgcor01t : problem solving with computer	Acquires knowledge on computer fundamentals, overview of programming, creating python programs and advanced python
2	1st Semester	Cmsgcor01p: problem solving with computer	Acquires skill at problem solving with computer using simple and visual python programming.
3	2nd Semester	Cmsgcor02t: database management systems	Acquires knowledge on topics such as database management systems, entity relationship (er), enhanced er modelling and relational data model database design.
4	2nd Semester	Cmsgcor02p: database management systems	Acquires practical knowledge on database management systems via computer programming.
5	3rd Semester	Cmsgcor03t: operating systems	Acquires knowledge on types of operating systems, operating system organization, process management, memory management and shell introduction and shell scripting.
6	3rd Semester	Cmsgcor03p: software lab based on operating systems	Acquires practical knowledge of using linux and unix as operating system.
7	3rd Semester	Cmsgsec01m:programming in python	Acquires practical knowledge on overview of python programming and creating python programs.
8	4th Semester	Cmsgcor04t: computer system architecture	Acquires knowledge on topics such as data representation and basic computer arithmetic, basic computer organization and design, central processing unit, programming the basic computer and input-output organization.
9	4th Semester	Cmsgcor04p: computer system architecture lab	Acquires practical knowledge on computer system architecture
10	4th Semester	Cmsgsec02m:r programming	Acquires practical knowledge on overview of r programming
11	5th Semester	Cmsgdse01t: programming in java	Acquires knowledge on programming in java
12	5th Semester	Cmsgdse02t: discrete structures	Acquires knowledge on topics such as graphs theory and inference theory.
13	6th Semester	Cmsgdse03t: software engineering	Acquires knowledge on software process, software requirements, design concepts and principles, software project management, testing and trends in software engineering.
14	6th Semester	Cmsgdse04t: computer networks	Acquires knowledge on basic concepts of computer networks and topics such as physical layer, data link layer, network layer, transport layer and network security.

**Gobardanga Hindu College**  
**Program Outcomes**  
**Department of COMPUTER SCIENCE**

<b>Sl No.</b>	<b>PO Master Name</b>
<b>1</b>	1. To develop the ability to use this knowledge to analyses new situations
<b>2</b>	2. To acquire necessary and state-of-the-art skills to take up industry challenges. The objectives and outcomes are carefully designed to suit to the above-mentioned purpose.
<b>3</b>	3. The ability to synthesize the acquired knowledge, understanding and experience for a better and improved comprehension of the real-life problems
<b>4</b>	4. To learn skills and tools like mathematics, statistics, physics and electronics to find the solution, interpret the results and make predictions for the future developments.
<b>5</b>	

# Gobardanga Hindu College

## Course Outcomes

### Department of ECONOMICS

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Core course-1a: introductory microeconomics: (ecogcor01t)	After completing the course students will understand what economics is and why they should study economics. they will also understand how consumption decision and production decision are taken in the context of short-run and long-run. students will also be aware of various forms of market and how factor remunerations are given.
2	2nd Semester	Semester-ii: core course-1b: introductory macroeconomics: (ecogcor02t)	After completing the course students will understand what national income is and how it is measured. students will also learn difference between classical and keynesian system, simple keynesian model of income determination, multipliers. they will also learn the concept of money and its demand and supply, tools of monetary policy, functions of central and commercial banks along with non-bank financial institutions. students will also acquire the knowledge of inflation and anti-inflationary policies.
3	3rd Semester	Core course-1c : development economics (ecogcor03t)	After completion of the course students will learn basic concepts of development, role of planning in economic development, two way relationship between population and economic development, role of domestic capital formation, foreign investment. they will also learn the role of international institutions like imf, world bank in economic development and gender discrimination and its consequences.
4	4th Semester	Core course-1d : indian economy(ecogcor04t)	After completing the course students will understand the structure of indian economy, human resource and economic development in india, problems of agriculture and industry in india. they will also learn indian banking sector, revenue and expenditure of union and state government in india, volume and direction of foreign trade in india.
5	5th Semester	Dse course- 1a : elementary statistics (ecogdse01t)	After completing the course students will learn the meaning and scope of statistics, frequency distribution, charts and diagrams, measures of central tendency and dispersion. they will be able to solve various numerical problems concerning frequency distribution, central tendency and dispersion.
6	5th Semester	Dse course- 1b : economics of social sector (ecogdse02t)	After completing the course students will learn social development and deprivation, economics of education and health, human development and deprivation, demography and economic development. they will be able to correlate demography, health, education and human development.
7	6th Semester	Dse course- 2a: trade and development (ecogdse03t)	After completing the course students will learn trade theory and development, trade policy, balance of payment and multinational corporations. in a nutshell they will be able to understand the role of international trade in economic development.
8	6th Semester	Dse course- 2b: public finance (ecogdse04t)	After completing the course students will learn nature and scope of public economics, theory of public good, principles of taxation, public expenditure and government budget, public debt and public borrowing. they will be able to grasp an idea on public revenue and expenditure.

# Gobardanga Hindu College

## Program Outcomes

### Department of ECONOMICS

Sl No.	PO Master Name
1	1. To provide students a well-founded education in Economics;
2	2. To provide structured curricula which support the academic development of students
3	3. To provide and adapt curricula that prepare our graduates for employment and further study as economists
4	4. To provide the students with the opportunity to pursue courses that emphasize quantitative and theoretical aspects of Economics
5	5. To provide students with the opportunity to focus on applied and policy issues in Economics
6	6. To provide programmers that allow the students to have an idea of wide range of economic specialization
7	7. To provide a well-resourced learning environment for Economics
8	8. To make our students equipped with identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizationa
9	9. To develop effective communication through speaking, reading, writing and listening clearly in person and through electronic media in English and Bengali.
10	10. To develop Self-directed and Life-long learning to be engaged in independent thinking in the broader context socio-technological changes.

# Gobardanga Hindu College

## Course Outcomes

### Department of EDUCATION

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Edcacor01t: educational philosophy	I. know the concept and functions of education. ii. understand the philosophical bases and different philosophical thoughts of education. iii. understand the national values and their roles in education. iv. know the contributions of great educators on philosophy of education
2	1st Semester	Edcacor02t: educational psychology	I. understand the concept of educational psychology and relation between education and psychology. ii. know the human development process and role of education iii. understand the concept and theory related to intelligence & creativity. iv. know the concept of learning and find out the various factors which influenced in learning process.
3	2nd Semester	Edcacor03t: educational sociology	I. understand the concept of educational sociology and know the education as a social process. ii. make the interrelationship between education and culture. iii. know the evolution of social development in india. iv. understand the various social issues.
4	2nd Semester	Edcacor04t: pedagogy	I. know about the concept and scope of pedagogy ii. understand the pedagogy as the science of teaching. iii. find out the pedagogy of teaching and learning. iv. find out the applications of pedagogy in classroom.
5	3rd Semester	Edcacor05t: education in pre-independence india	I. know about the ancient education system and their salient features. ii. understand the various reforms of education through charter act, & macauley minute. iii. know the recommendations of woods dispatch and hunter commission. iv. know the development of indian education during 1917 to 1947.
6	3rd Semester	Edcacor06t: education in post-independence india	I. understand the recommendations of different education commission in post independent india. ii. know the features of education commission and npe 1968. iii. make a concept on national policy on education 1986. iv. understand the rte act and chapter included this act.
7	3rd Semester	Edcacor07p : field tour and report writing	I. understand various philosophical and psychological importance places which they have to visit. ii. prepare a report after visit the place.
8	4th Semester	Edcacor08t : educational management	I. make a concept, needs and types about educational management. ii. understand the leadership in management and find out the characteristics of an effective leader. iii. know the various agencies and their functions in education. iv. familiar with various resources in educational institutions and their various aspects.
9	4th Semester	Edcacor09t: basics of educational research and evaluation	I. understand the nature and preliminary concept of research. ii. know the meaning and different types of sample and sampling procedure. iii. understand the nature and different types of measurement scales. iv. familiarize with the process of standardization of test.
10	4th Semester	Edcacor10t: statistics in education 4	I. understand the basic concept and uses of statistics in psychology and education ii. understand the descriptive statistics and the computation. iii. acquaint with inferential statistics
11	5th Semester	Edcacor11t: guidance and counselling	I. know about basic concept of guidance and various types. ii. know about basic concept of counselling and different approaches iii. understand the concept and adjustment and maladjustment. iv. identify the basic data necessary for guidance.

Sl No.	Semester	Course Name	Course Outcome
12	5th Semester	Edcacor12t: educational technology	I. know about the concept and limitations of educational technology. ii. understand the components and various models of communication. iii. familiar with different instructional technology and personalized instructional techniques.
13	5th Semester	Edcacor12p: basic ict	I. recognize the computer and its components ii. learn about dtp operation
14	5th Semester	Edcadse01t - women education	I. know the meaning and necessities of women education. ii. understand the historical development of women education in india from ancient to independence period. iii. identify the problems related to women education in india. iv. familiar with different constitutional rights of women.
15	5th Semester	Edcadse02t - teacher education	I. know about the meaning and nature of teacher education. ii. understand the functions and characteristics of ideal teacher. iii. familiar with the historic development of teacher education in india. iv. acquaint with teaching models.
16	5th Semester	Edcadse03t - life skill education	I. understand about life skills education and its characteristics. ii. familiar with the role of agencies involved in life skills education. iii. identify the issues related to issues in life skills education. iv. know about the acts related to life skills education
17	6th Semester	Edcacor13t : curriculum studies	I. know about the meaning, nature and scope of curriculum. ii. understand needs and areas of educational objectives. iii. familiar with various model of curriculum development. iv. understand the different approaches and purpose of curriculum evaluation.
18	6th Semester	Edcacor14t : special education	I. familiar with the nature and objectives of special education. ii. understand the development and organization related to special education in india. iii. acquaint with gifted and slow learner children. iv. understand the different types exceptionality and the remedial measures.
19	6th Semester	Edcadse04t - value education	I. understand the concept of value in indian and western context. ii. understand the different perspectives of values. iii. know about value crisis and its causes. iv. acquaint with approaches of value education and role of different stakeholders inculcation of values.
20	6th Semester	Edcadse05t -peace education	I. know the concept and importance of peace education. ii. identify the different barriers to peace education and suggest some measure to overcome the barriers. iii. understand the factors responsible in peace and causes of violence in educational institution. iv. understand the role peace education in present context.
21	6th Semester	Edcadse06t - environmental education	I. aware the students on necessities to study of environmental education. ii. learn about ecosystem and their components. iii. understand environment pollution and role of education to combat environmental pollution. iv. know about some environmental movements.
22	1st Semester	Edchge01t: philosophical foundation of education	I. understand the concept and scope of education. ii. know the aims of education in different perspectives. iii. understand values and relation between values and education. iv. know about the contributions of great educators in education.
23	2nd Semester	Edchge02t: psychological foundation of education	I. know the concept of educational psychology and contribution of psychology in education. ii. understand human development and different types of development. iii. acquaint with the attention and process of memorization. iv. familiar with the personality and its theory.
24	3rd Semester	Edchge03t: development of education &	I. understand the development of education from charter act to till independence. ii. know the recommendations of various education

Sl No.	Semester	Course Name	Course Outcome
		educational policies	commissions till 1970. iii. know the development of education through the various educational policies.
25	4th Semester	Edchge04t: evaluation in education	I. know the concept and principles of evaluation and make a comparison between evaluation and measurement. ii. understand various scales of measurement and different tools of evaluation. iii. identify different types test and characteristics of a good test. iv. make a concept and use of statistics.
26	5th Semester	Edcgdse01t: sociological foundation of education	I. familiar with concept and nature of sociology and relation between education and sociology. ii. understand social group and role of education in social group. iii. know about various social agencies. iv. identify the emerging social issues in india.
27	5th Semester	Edcgdse02t: psychology of learning	I. understand the concept of intelligence and theories related to intelligence. ii. know about learning and related factors. iii. understand creativity and scales of measurement of creativity. iv. acquaint with learning and their related factors.
28	6th Semester	Edcgdse03t: ancient indian education & contemporary issues in indian education	I. familiar with the development of education in ancient india brahmanic to buddhistic era. ii. identify different social issues from 1986 to till date. iii. know vthe current issues and contemporary acts on education.
29	6th Semester	Edcgdse03t: guidance and counseling in education	I. understand the concept about adjustment and maladjustment. ii. know about the guidance and their different types. iii. understand the basic data required in guidance and techniques of data collection
30	5th Semester	Edcggeco1t: teacher education in india	I. understand basic concept of teacher education. ii. know the perspectives of teacher education and delivery mode of teacher education. iii. understand administration system of teacher education. iv. familiar with modern concept of teacher education.
31	6th Semester	Edcggeco2t: inclusive education in india	I. understand with nature and importance of inclusive education. ii. familiar with meaning and importance of adult and social education. iii. understand special education and the brief history and functions of national organizations of special education. iv. identify the issues related in inclusive education.
32	3rd Semester	Edcssec01m: developmental skill for social awareness	I. understand about basic concepts and types of social awareness. ii. know how to plan and execute social awareness programme. iii. identify the various skills developed through the participation of social awareness programme.
33	4th Semester	Edcssec02m	I. understand the basic concept of observation ii. plan and execute through participate in any observational work. iii. know how to develop observational skill.

**Gobardanga Hindu College**  
**Program Outcomes**  
**Department of EDUCATION**

<b>Sl No.</b>	<b>PO Master Name</b>
<b>1</b>	Develop knowledge and understand different specialized areas of education
<b>2</b>	Enhance the necessary competencies among the various categories of students by completion of each course/paper.
<b>3</b>	Develop divergent thinking that helps to undertake skill oriented project work related to education
<b>4</b>	Stimulate knowledge for shift to next level
<b>5</b>	Orient the students on modern trends and issues and their application in present education system

# Gobardanga Hindu College

## Course Outcomes

### Department of ENGLISH

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Engacor01t-indian classical literature	Awareness of the theories and praxis involved in the basic concepts of indian classical literature, focussing on the society, literature and culture with special importance to the changing role of women.
2	1st Semester	Engacor02t-european classical literature	Understanding western classical literature and its foundations in the graeco-roman cultures, through the generic variations and engagements in the ancient aesthetic principles.
3	3rd Semester	Engacor05t-american literature	Introduction to the ethics and roots of american literature involving the variegated nature of its literary canvas, the “melting pot” represented through the afro-american, the native american, the white mainstream writings. the differences analysed through textual references.
4	3rd Semester	Engacoro6t-popular literature	The distinctive spirit of “popular” literature as an essential opposition to traditional forms of literature explained through the diverse realms of children’s literature, nonsense literature and comics and the graphic novels, to name a few.
5	3rd Semester	Engaor07t-british poetry and drama	Special significance of the political upheaval affecting british life and culture. the beginnings of neo-classicism and the adaptations of the same in form and content in almost all the genres.
6	5th Semester	engacor11t-women’s writing	A combination of writings by women from various cultural confluences. the changing roles of women within race, caste and gender discriminations of societal norms
7	5th Semester	Engacor12t-early twentieth century british literature	Understanding the modernist and post-victorian phases of the aspects of british literary developments and the beginnings of major movements with their roots in the ideologies of feminism, post-colonialism, psychoanalytic postulations, etc. pointing to a heterogenetic possibility for the traditional british literatures.
8	5th Semester	engadse01t-old english literature, philology, rhetoric and prosody. (optional)	An elective paper introducing students to the old english literature and its ancient roots in anglo-saxon life, the linguistic tools, histories in the development of language, and the detection of rhetorical devices and metrical patterns in verse included.
9	5th Semester	Engadse02t -literary types and terms (optional)	Familiarising with the key literary genres. the terms related to each genre studied along with application and identification of terms
10	5th Semester	engadse03t- autobiography (optional)	An elective course designed to acquire the basics of autobiography. a conscious effort to familiarise students with the role of history and the importance of memory. a clear negotiation between the self and the other factors to create the elemental spirit of autobiography is observed.

**Gobardanga Hindu College**  
**Program Outcomes**  
**Department of ENGLISH**

<b>Sl No.</b>	<b>PO Master Name</b>
<b>1</b>	1. Ability in critical thinking skills.
<b>2</b>	2. Ability to read and interpret literary texts.
<b>3</b>	3. Ability to recognize, express and analyze arguments in literary texts.
<b>4</b>	4. Ability to summarize and explain difficult literary ideas and concepts.
<b>5</b>	5. Ability to write literary essays that have coherent theses and reasonable supporting arguments.
<b>6</b>	6. Ability in research methodology.

# Gobardanga Hindu College

## Course Outcomes

### Department of GEOGRAPHY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Geoacor01t	Students will be able to get an idea of geotectonics and geomorphology
2	1st Semester	Geoacor01p	Students will be able to get an idea of the fundamentals of geotectonics and geomorphology
3	1st Semester	Geoacor02t	Students will acquire knowledge in cartographic techniques
4	1st Semester	Geoacor02p	Students will learn the application of cartographic techniques
5	2nd Semester	Geoacor03t	Students will know about human geography
6	2nd Semester	Geoacor04t	Students will be able to acquire knowledge in cartograms and thematic mapping
7	2nd Semester	Geoacor04p	students will get knowledge in cartograms and thematic mapping
8	3rd Semester	Geoacor05t	Idea about climatology will be got by them.
9	3rd Semester	Geoacor05p	They will able to do the hands on experiments on the topic climatology
10	3rd Semester	Geoacor06t	Students will know the fundamentals of geography of india
11	3rd Semester	Geoacor07t	Students will know statistical methods in geography, frequency distribution and sampling and numerical data analysis
12	3rd Semester	Geoacor07p	They can do application of statistical methods in geography, i.e. construction of data matrix
13	4th Semester	Geoacor08t	Students will get the idea of regional planning and development
14	4th Semester	Geoacor09t	Concept of economic geography, economic activities will be developed among the students
15	4th Semester	Geoacor10t	Students can acquire knowledge in environmental geography and its problems and policies
16	4th Semester	Geoacor10p	Students will know about the preparation of questionnaire for perception survey on environmental problems, environmental impact assessment of an urban / industrial project.
17	5th Semester	Geoacor11t	Students will be able to know field work and research methodology
18	5th Semester	Geoacor11p	Students will be experienced for field work and research methodology
19	5th Semester	Geoacor12t	Students will acquire knowledge in remote sensing and gis
20	5th Semester	Geoacor12p	Students will able to prepare of fcc and identification of features using standard fcc and other band combinations 3. digitisation of features. data attachment, overlay and preparation of annotated thematic maps (choropleth, pie chart and bar graphs).
21	5th Semester	Geoadse01t	Students will acquire the details of soil and biogeography
22	5th Semester	Geoadse02t	Students will get the idea of settlement geography ,rural settlement, and urban settlement

<b>Sl No.</b>	<b>Semester</b>	<b>Course Name</b>	<b>Course Outcome</b>
<b>23</b>	5th Semester	Geoadse03t	They will get the knowledge of population geography i.e. population dynamics and development
<b>24</b>	6th Semester	Geoacor13t	Students can get the idea of evolution of geographical thought
<b>25</b>	6th Semester	Geoacor14t	Students will know about disaster management
<b>26</b>	6th Semester	Geoacor14p	Students will prepare report about disaster management. an individual project report is to be prepared and submitted based on any one case study among the following disasters of west bengal incorporating a preparedness plan 1. thunderstorm 2. landslide 3. flood 4. coastal / riverbank erosion 5. fire 6. industrial accident 7. structural collapse
<b>27</b>	6th Semester	Geoadse04t	Students acquire knowledge of hydrology and oceanography
<b>28</b>	6th Semester	Geoadse05t	Knowledge of social geography will be built among the students

# Gobardanga Hindu College

## Program Outcomes

### Department of GEOGRAPHY

Sl No.	PO Master Name
1	PO1. Critical Thinking: Development of Critical thinking is the prime outcome of any UG program which enables students to think logically, rationally and scientifically. She/he should not be prejudice to think over any events, ideas and understanding
2	PO2. Effective Communication: Effective communication should be developed in the students of UG Program. Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world
3	PO3. Social Interaction: Social interaction is needed to work better in the society. The students should be able for social interactions and working in various sections of the society.
4	PO4. Democratic Value: Students should acquire democratic value and will be a responsible citizen of largest democracy in the world.
5	PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
6	PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
7	PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context sociotechnological changes
8	PO8: Scientific Attitude: Students should not be superstitious and will developed scientific attitude among the students.

# Gobardanga Hindu College

## Course Outcomes

### Department of HISTORY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	History of india-i (from earliest times to c.300 bce) (hisacor01t)	To promote an understanding of the archaeological and material culture of ancient india. to learn how to use various tools and sources to reconstruct the history of early india.
2	1st Semester	Social formations and the cultural patterns of the ancient world(hisacor02t)	To promote an understanding of the evolution and common routes of human civilizations. to reconstruct the material culture of food producing era and bronze age civilizations and iron age civilizations (mesopotamia, eastern mediterranean, central and west asia etc) and the beginning of classical era in europe
3	1st Semester	History of india from the earliest times upto 300 ce(hisgcor01t)	To revise the knowledge of geographical background, material culture of pre-historic and proto-historic indian subcontinent and sources with approaches to ancient indian history. they have also come across regarding the iranian and macedonian invasions and its impact, development of jainism and buddhism. emergence of maurya dynasty, satavahanas and the sangama age.
4	2nd Semester	(hisacor03t) history of india- ii (from c.300bce – 750ce)	To promote the understanding of various changes during the early-historic period, urban growth of north india, central india and deccan, agrarian economy, craft production and internal and foreign trade during the maurya and post-maurya period. political and administrative changes, social stratification, land rights, peasantry, proliferation of castes, religion, philosophy, art and architecture during the gupta and post -gupta era.
5	2nd Semester	(hisacor04t) social formations & the cultural patterns of the medieval world	To learn the cultural pattern of the medieval world, development of slave society, agrarian economy, urbanisation and trade in roman republic, crisis of roman empire and economic developments of europe during 7th -14th century. to learn about the societies in central islamic lands, religious developments, trade and urbanisation.
6	2nd Semester	(hisgcor02t) history of india from. c. 300 to 1206 ce	Learn about the continuity and changes in the gupta and post - gupta political, economic, cultural and social life, arab invasion and struggle for the power in northern india and establishment of sultanate.
7	3rd Semester	(hisacor05t) history of india -iii (750 ce -1206 ce)	To promote the knowledge of handling various tools and sources to studying early medieval india. to identify the political structure of various regional dynasties, changes through the arab conquest of sindh, trade and commerce and changing agrarian pattern, religious and cultural developments of early medieval india.
8	3rd Semester	(hisacor06t) rise of the modern west - i	To acquire the comprehensive knowledge regarding the transition of europe and rise of the modern west. to promote the understanding of transition from feudalism to capitalism, early colonial expansion, renaissance, commercial revolution, price revolution and the emergence of european state system.
9	3rd Semester	(hisacor07t) history of india -iv (1206 ce – 1526 ce)	To explain the historical interpretation of delhi sultanate by surveying various sources, central and regional political structure of sultanate, changing 3 agrarian and commercial economic structure of indian subcontinent during the sultanate, syncretic culture and various religious developments during the period.
10	3rd Semester	(hishgec03t) history of india from c.1206 to1707 ce	To promote the understanding of the foundation of sultanate and mughal dynasties, changes and continuities in various aspects of social, political, economic and cultural life of the sub-continent,

Sl No.	Semester	Course Name	Course Outcome
			emergence of the maratha power and the administrative and political structures of sultanate, mughal and maratha dynasties.
11	3rd Semester	(hisssec01m) archives and museums in india	This course introduces students to the institutions that maintain documentary, visual and material remains of the past. students will be encouraged to visit to archives and/or museums, undertake collection, documentation and exhibition of such materials in their localities and colleges.
12	4th Semester	(hisacor08t) rise of the modern west-ii	To develop the idea of pre-modern european socio-economic and political changes with special emphasis on english revolution, parliamentary monarchy and patterns of absolutism in europe. encourage the students to understand the rise of modern science in relation to european society from renaissance to 17th century europe, political and economic issues of american revolution and prelude to industrial revolution.
13	4th Semester	(hisacor09t) history of india-v (1526 ce-1757 ce)	This course introduces students to the historiography and sources of persian literary culture and development of various regional languages by which they can understand the establishment of mughal rule and its long sustainability in indian subcontinent. various modules of the course tried to divulge a clear picture of mughal social, economic, political and administrative change from akbar to aurangzeb, a clear understanding of mughal art, architecture, painting and other regional styles that emerged in this period. this course also introduces the students with patterns of regional politics in the late mughal period.
14	4th Semester	(hisacor10t) history of india -vi (1757 ce -1857 ce)	This course attempts to promote an understanding of foundation of company's rule through the contestations between dutch, french and british east india company, legitimization of company's rule in india, change and continuity in rural economy and society in india, debates regarding de-industrialisation, bengal renaissance and reform movements and various popular uprising.
15	4th Semester	(hishgec04t) history of india c.1707 ce -1950 ce	This course undertakes the historical interpretations of 18th century india, expansion and consolidation of colonial power, uprising of 1857. this course also explain s the nature of nationalism, gandhian politics, rise of communal politics, partition and the process of establishment of republic of india.
16	4th Semester	(hisssec02m) understanding indian art	The purpose of this course is to introduce students to indian art, from ancient to contemporary times, in order to understand and appreciate its diversity and its aesthetic richness. the course will equip students with the abilities to understand art as a medium of cultural expression.
17	5th Semester	(hisacor11t) history of modern europe (1789 ce – 1919 ce)	This course attempts to promote the history of modern europe through the french revolution and its european repercussions, the rise of napoleon, revolution of 1830 & 1848 followed by the age of nationalism and unification of italy and germany and industrialisation in england and other parts of europe. this course also helps the students to shape their idea on the european imperialism, addresses the question and the causes of first world war and changing geo-political scenario of the continent.
18	5th Semester	(hisacor12t) history of india-vii (1858 ce-1947ce)	The purpose of this course is to introduce students to the history of india after the revolt of 1857. students will be able to analyse the trends of reformation movements, development of western education system in india, activities of different cultural and political associations and the birth of indian national congress as a political platform. this course also attempts to promote an understanding of the early phases of indian freedom struggle through swadeshi and extremism, electoral reforms, rise of muslim league. its also enabled

Sl No.	Semester	Course Name	Course Outcome
			the students to understand the process and nature of gandhian movements, leftist movements, peasant and working-class movement, communal politics and partition of india.
19	5th Semester	(hisadse01t) aspects of the history of modern south east asia i	The purpose of this course is to introduce students to the history of modern south-east asia in order to understand the pre-colonial and colonial society, economy and geo-political aspects of this part of asia with special reference to the nationalism of indonesia, birth of indonesian republic and the constitution of 1945.
20	5th Semester	(hisadse02t) aspects of the history of modern south east asia ii	This course undertakes to promote the knowledge of early nationalist protest movement in indochina, ho-chih minh and birth of communist party, august revolution in vietnam, nationalism and religion in burma, growth of anti -spanish sentiments in the philippines, growth of nationalism in british malaya followed by the decolonisation and cold war politics.
21	5th Semester	(hisadse03t) history of the united states of america i (1776 ce -1864 ce)	This course introduces students with the history of united states through the early colonial society and politics in u.s soil. students are enabled to understand the war of independence and its historical interpretations, evolution of american democracy, development of capitalism in america, foreign policy, slavery to civil war.
22	6th Semester	(hisacor13t) history of india viii (india since 1947 ce)	Students will able to understand the nehru era with reference to the indian foreign policy between 1947 -1967, growth of parliamentary democracy, five years' plan, making of the constituent assembly. after completing the course students also able to understand evolution of indian electoral policies, changing party system, the land question, industry and labour science education, women's question, post -independence literature, media and arts.
23	6th Semester	Hisacor14t trends in world politics (1919ce - 2001 ce)	This course will provide a clear picture of trends in contemporary world politics, challenges to the new european order, rise of fascism in italy and nazism in germany, world economic depression of 1929, the causes of 2 nd world war and its aftermath. students will also come across about the origin and functions of uno, cold war and the emergence of bipolar politics, détente and disintegration of the soviet bloc, globalization and its impact and rise of global terrorism with special reference to 9/11 and its impact on contemporary world order.
24	6th Semester	(hisadse04t) history of modern east asia i (1839 ce - 1919 ce)	This course introduces students with pre -colonial chinese society, economy and administrative system, anglo chinese relations, first & second opium wars, cause, nature and failure of taiping rebellion, tung - chih restoration, the hundred days' reform and the self -strengthening movement in china, the chinese revolution of 1911. this course also attempts to promote an understanding of pre - colonial and colonial japan with special emphasis on tokugawa shogunate, the perry mission, the crisis and fall of the shogunate, meiji restoration, meiji constitution and expansion of japan up to the first world war.
25	6th Semester	(hisadse05t) history of modern east asia ii (1919 ce-1939 ce)	This course attempts to promote the growth of nationalism in china, emergence of the chinese republic and yuan shih kai, origin, nature and significance of the may 4th movement, the rise of the kuomintang party, communist victory in china and the chinese revolution of 1949. students will also able to understand the process of modernisation in japan, rise of political parties in japan, industrialisation and the role of state, japanese imperialism, role of japan in the 1st and 2nd world war.
26	6th Semester	Hisadse06t history of the united states of america ii (1865 ce-1945 ce)	This course introduces students to the conservative and radical phases of american politics, growth of capitalism, industrialisation and big business in usa, labour movements and unionization, agrarian crises and populism, new deal, rise of usa as the world power, usa and world

Sl No.	Semester	Course Name	Course Outcome
			war ii. students will also able to understand afro-american and women's movements in usa, religious,cultural and intellectual trends in america during 1900-1945 ce.

# Gobardanga Hindu College

## Program Outcomes Department of HISTORY

Sl No.	PO Master Name
1	The study of history will enable students to compare and contrast different aspects of society, thought processes, modes and expressions from different historical time period.
2	Students will be effectively explained and analyses the facts of past with the help of digital aids. they will be alert with the importance of entrepreneurial skills for their self-employment, to improve the living condition of masses. They will be p
3	Students will be provided the opportunity to focus on applied issues in history. Students will be able to understand the basic methodology of studying and writing history.
4	Students can contextualize examining of interrelated political, social, economic, cultural and intellectual processes. They will be able to write research papers that locates and synthesizes relevant primary and secondary sources and has a clear, coh
5	A critical approach will be grown among the students to analyses any past event and its relevance in the contemporary society.

# Gobardanga Hindu College

## Course Outcomes

### Department of HISTORY

Sl No.	Semester	Course Name	Course Outcome
1	1st Semester	Hispcor01t (core 1): state, economy and society in early medieval	This course is designed to provide an understanding of the socio-economic, political and cultural conditions during a transitive period (the early medieval) in Indian history. It encompasses debates on feudalism, land-grants, occupational mobility, urbanization, political regionalization, regional culture, trade networks, and so on, contributing to an understanding of the vibrancy of the regional units of what we know as India today.
2	1st Semester	Course hispcor02t (core 2): state and society in Mughal India	This course deals with the various aspects of state building under the Mughals and the Marathas with emphasis on the central Asian origin of the Mughals, centralization of the state apparatus, and social and economic transition with particular reference to revenue administration. Above all, the course intends to challenge the traditional and popular ways of thinking of the Mughal and Maratha eras.
3	1st Semester	Course hispcor03t (core 3): growth of nationalism and anti-colonial movement in India: 1858-1917	The course intends to familiarize students with the ideas and projections of nationalism and trends of anti-colonial nationalist struggle against British rule in India till the rise of Gandhi. It will also attempt to assess the roles of various personalities, groups and institutions as well as of factors/forces like caste, class, religion, ethnicity and gender in the national movement from 1858 to 1917.
4	1st Semester	Course hispcor04t (core 4): national movement in India: 1917-1947 course outcome (CO):	The course intends to focus on Indian nationalist politics since the rise of Gandhi. Students are acquainted with the ideas and projections of nationalism and trends and shades of nationalist politics in the last three decades of colonial rule. It also helps them understand the diverse interpretations about the legacies of freedom struggle in proper historical perspective. It will also attempt to assess the roles of various personalities, groups and institutions as well as of factors/forces like caste, class, religion, ethnicity and gender in the national movement.
5	1st Semester	Course hispcor05t (core 5): themes and debates in Indian history – I course outcome (CO):	This course introduces students to some of the most significant themes and debates of Indian history from ancient to early modern times. The objective is to train them in the diversity and complexity of discourses surrounding such critical themes as the original homeland of the Aryans, the nature of Indian feudalism, urbanization under the Delhi Sultanate, agrarian crisis and peasant revolts under the Mughals, the nature of the eighteenth century, or the history of the Revolt of 1857.
6	1st Semester	Course hispaec01t (aacc): communicative skill in history	The course intends to impart knowledge, practice and skill of learning history, doing historical research and teaching history at various levels. It will also involve working in the archives and museums to enable students work in such institutions as well as in projects and other related employment opportunities.
7	2nd Semester	Course hispcor06t (core 6): society and culture in colonial Bengal	Bengal is generally regarded as the region that first received modernity through colonial encounter in India. This course explores the complexities in that interaction through which Bengal negotiated certain challenges that shaped the region to be the locale of a series of social and cultural changes during the colonial era.
8	2nd Semester	Course hispcor07t (core 7): economic	The focus of the course is on the policies of the colonial revenue administration in early colonial Bengal with special reference to agro-ecological conditions, market conditions, and

Sl No.	Semester	Course Name	Course Outcome
		history of bengal: 1757-1857	negotiation and accommodation between the precolonial and the colonial in the agrarian system. it also focuses on the trends of trade, business and market in that period.
9	2nd Semester	Course hispcor08t (core 8): themes and debates in indian history – ii	Following up the line of course 208105, this one carries forward the historical enquiry into some of the key themes and debates in colonial and post colonial indian history. it aims to help students approach such themes and debates from a variety of interdisciplinary perspectives with an open mind and connect the same with ideas and meanings of contemporary life.
10	2nd Semester	Course hispcor09t (core 9): industrial transformation in europe with special emphasis on england	The course concentrates on the first industrial revolution in england and its emulation in other european countries and in the usa. it familiarizes students with a varied body of literature on the formation of capital, technological change and social change brought by the revolution and its close relation with other sectors of economy like agriculture and trade.
11	2nd Semester	Course hispcor10t (core 10): world politics since 1945	The course presents world politics or international relations since 1945 as an integral part of contemporary history. it informs and instructs students with the major trends, events, and processes of global politics since world war ii. the aim is to help students situate and understand contemporary local, national and international events and affairs in a proper historical perspective.
12	2nd Semester	Course hispsec01t (sec): approaches to print and online journalism	This course desires to train students learn the academic approaches to print journalism in the age of information technology. the objective is to impart them ideas and skill of writing as well as hands-on techniques and methods to become successful in the world of journalism, particularly in print and online newspapers and news magazines
13	3rd Semester	Course hispcor11t (core 11): historical methods	Course hispcor12t (core 12): trends in modern western historiography
14	3rd Semester	Course hispcor12t (core 12): trends in modern western historiography	In this course, students will learn the different approaches to history writing in the west since the early twentieth century. they begin from how historians expanded horizons linking history with other social sciences to the ways in which the linguistic turn has influenced the course of historical research.
15	3rd Semester	Course hispcor13t (core 13): economy and society in colonial india	This course reflects upon the major trends of economy and society in late colonial india. it provides students with the historical contexts of agrarian and industrial economy on the one hand and the emergence of a modern society on the other for a better understanding of the transition from colonial to postcolonial india.
16	3rd Semester	Course hispdse01t (dse 1): agrarian economy & society in late medieval india	This optional course offers a comprehensive study of agricultural practices in the late mughal era and other ways in which it impacted the economy. it also includes the study of the social structure, details about the revenue system, administration and the agrarian economy in general.
17	3rd Semester	Course hispdse01t (dse 1): aspects of culture in colonial india	This alternative optional course provides students the opportunity to learn, understand and analyze the domain of culture in colonial india. connecting the broader cultural milieu with the nation in the colonial context, it helps them interrogate multiple layers of meanings and understandings on aspects such as education, literature, art, dress, and science and technology.
18	3rd Semester	Course hispdse02t (dse 2): internal and maritime trade in late medieval india	This is another optional course on the economic history of late medieval india focusing on internal and maritime trade. it instructs students on the importance of european and asian trade

Sl No.	Semester	Course Name	Course Outcome
			networks and the onset of european commercial enterprise culminating in political intervention in india.
19	3rd Semester	Course hispdse02t (dse 2): popular culture in colonial india	This alternative optional course follows up the idea of the previous course on india's cultural encounter under colonial rule and introduces students to the most fascinating aspects of popular culture in colonial india – food, music, theatre, dance, media and sport. it familiarizes students with the most recent trends of research on these aspects of popular culture and encourages them to enquire into the centrality of popular cultural aspects in indian life in contemporary times.
20	3rd Semester	Course hispgec01t (gec): india in the twenty-first century	This interdisciplinary course introduces students of other disciplines to the contexts and meanings of contemporary india. it brings together the most intriguing aspects of politics, foreign relations, economy, society and culture of twenty-first century india in the context of a growing body of academic and popular literature and mediated discourses.
21	4th Semester	Course hispcor14t (core 14): india since independence	This is a course on the history of postcolonial india acquainting students with the major trends of politics, foreign relations, economy, society and culture of world's largest democracy, situating the debates and discourses on india's 'development' in a global context. it also intends to make students aware of the plurality of indian democracy and multiplicity of historical interpretations of contemporary indian life.
22	4th Semester	History of west bengal	This course introduces students to the contemporary history of their own state/region – west bengal since independence and partition. the course will focus on refugee experiences, reconstruction of the state, popular movements, and leftist politics, thereby enabling them to understand the transition in west bengal politics, economy, society and culture in the last few decades.
23	4th Semester	Course hispdse03t (dse 3): contemporary south asia	This is an optional course familiarizing students with a much neglected area of study in history in indian universities – south asia sans india. it acquaints students with the nature of political transition in india's five neighbouring countries of south asia – pakistan, bangladesh, nepal, afghanistan and sri lanka – in the twentieth and twenty-first centuries in a comparative perspective with india as a point of reference.
24	4th Semester	Course hispdse03t (dse 3): revolutions in america and europe from the seventeenth to the nineteenth century	This optional course enables students to learn about important political revolutions beginning from 1688 to the nineteenth century, which had brought epochal social, economic and intellectual changes and which in turn had influenced the course of changes in the said spheres since.
25	4th Semester	Course hispdse04t (dse 4): india and her south asian neighbours	This optional course makes students aware of the complexities and intricacies of india's foreign relations with regard to its south asian neighbours in a historical perspective. it will attempt to address the continuing misconceptions about india's relations with countries like pakistan or bangladesh, and help students learn about the changing contours of inter-state relations and regional politics and cooperation in south asia.
26	4th Semester	Course hispdse04t (dse 4): revolutions in the twentieth century	This optional course offers multiple historical discourses on five major revolutions in the twenty-first century world, which have left indelible legacies in history. these include the russian revolution, communist revolution in china, cuban revolution, iranian revolution and apartheid in south africa. students should be able to situate these key global events in historical perspective and

SI No.	Semester	Course Name	Course Outcome
			examine the contemporary relevance of the same with reference to recent trends in global politics.
27	4th Semester	Course hispcor16m (core 16): research paper & seminar	This course gives students an opportunity to learn how to undertake research, collect and analyse sources, and write research article for publication following a suitable historical methodology. in this course, students are given the exposure to present their research findings in an open seminar followed by a question-answer session. this should help them grow up as smart communicators and shake off their hesitancy in public seminar in order to prepare them for bigger occasions.

# Gobardanga Hindu College

## Program Outcomes Department of HISTORY

SI No.	PO Master Name
1	1.Upon successful completion of the History Postgraduate Program, students will demonstrate a comprehensive understanding of historical events, trends, and methodologies, enabling them to contribute significantly to the field of history.
2	2. The program aims to equip students with the knowledge, skills, and critical thinking abilities necessary for advanced research, analysis, and communication within the discipline.
3	3.Exhibit an in-depth understanding of key historical events, movements, and themes across different time periods and geographical regions.Demonstrate a nuanced comprehension of historical theories and methodologies.
4	4.Conduct advanced historical research using primary and secondary sources.Develop and execute a well-structured research project that contributes to the existing body of historical knowledge.
5	5.Apply critical thinking skills to analyze historical evidence, interpretations, and arguments.Formulate well-supported and reasoned historical analyses that consider multiple perspectives.
6	6.Communicate historical findings coherently and persuasively through oral presentations, scholarly writing, and other relevant mediums.Tailor communication styles for both academic and non-academic audiences.
7	7. Integrate insights from related disciplines, such as sociology, anthropology, and political science, to enhance the richness of historical analyses. Recognize the interdisciplinary nature of historical studies and its implications for broader acad
8	8. Demonstrate awareness of ethical considerations in historical research, including issues related to bias, cultural sensitivity, and the responsible use of historical narratives.
9	9. Collaborate effectively with peers and professionals in the field of history and related disciplines.Exhibit professionalism in academic and research settings.
10	10. Cultivate a commitment to continuous learning and staying abreast of new historical research and methodologies.Adapt to evolving trends and challenges within the field of history.
11	11. Develop a global perspective by examining historical events within the context of interconnected world histories.Foster an appreciation for diverse cultures and their historical contributions.
12	12. Possess the skills and knowledge to assume leadership roles in academia, research institutions, cultural organizations, and other relevant sectors.Contribute to the advancement of historical scholarship and the broader community through impactful