Faculty Profile
Santipur College
Department of Mathematics

General Information

Name	Suman Ghosh
Designation	SACT 1
Date of joining	11.09.2018
Address	Vill:Bathangachi.P.O-Dignagar.P.S-Santipur.Dist-Nadia
Contact E-mail	sg05940@gmail.com
Academic Qualification	M.Sc

Research And Publication

Area of Specialization	Mathematical Biology: Continuous Population Models for Single Species, Models for Interacting Populations

Institutional Responsibilities

Portion of syllabus allotted		
Semester	**Major/ Minor/ SEC/ MDC/ Other**	**Topic allotted**
Semester 1	Major	Transformation of coordinate axes, Pair of straight lines, general equations of

		second degree, polar equations of conics, straight lines in 3D, sphere.
Semester 2	Major	Fuzzy Set Theory
Semester 3	Major	Programming In C: Constants, variables, data type. Arithmetic operators, logical operators. If , else if statements, for, while, do while statements, arrays, user defined functions, evaluation of simple functions, solution of quadratic equation, convergent series sum, sorting of real numbers
Semester 4	Major	Systems of linear differential of equations, differential operators, homogeneous linear systems with constant coefficients, Power series solution of a differential equation about a ordinary point and regular singular point, partial differential equations, Lagrange's method, Charpit's method, method of characteristics, Canonical forms
Semester 5	Major	Numerical Analysis: Bisection method, Newton Raphson method, Secant method, Regula Falsi method for solving transcendental and polynomial equation, rate of convergence, Gauss Jacobi, Gauss Seidel, Gauss Jordan method, LU decomposition, Euler's method, Runge Kutta method
Semester 6	Major	Work, Power, energy, conservative forces, impulse and impulsive force, collision of elastic body, motion in plane, central orbit, planetary orbit, moment of inertia, D'Alembart's principle, Rigid body motion, motion in two dimensions

Institutional Committees

Sl. No.	Name of Committee	Member / Convener
1	Website Committee	Member