

(2018-19)

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Prof. Siddhesh S. Rathod

DEPARTMENT

BSc (IT)

CLASS

BT / BT / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Core Java GIS

SEMESTER

(II / BT / LVI)

MONTH	TOPIC NAME	% OF COMPLETION
NOVEMBER	A gentle Introd ⁿ to GIS Geographic & Spatial Database	100%.
DECEMBER	Data management & syst Database Management Syst GIS & Spatial Databases	90%.
JANUARY	Spatial Referencing & positioning Data entry & Prepara ⁿ	90%.
FEBRUARY	Spatial Data Analysis Classif ⁿ of Analytical GIS overlay functions	100%.
MARCH	Data visualization GIS & Maps, Visualizati ⁿ process.	100%.

PROFESSOR SIGN

S.D. Rathod



Principal SIGN

[Signature]

Jeevandeep Shaikshnik Sanstha Poir's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

(2018-19)

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Pushpa R. Sabale

DEPARTMENT

IT

CLASS

✓ IY / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Microprocessor Archite

SEMESTER
Cute

(✓ I / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	• microprocessor Architecture & assembly languages. • Microprocessor Architecture & microcomputer sy. • Memory interface	90%
DECEMBER	• Interfacing of I/O Devices. • Introduction to 8085 Assembly language programing. • Introduction to 8085 Instru.	90%.
JANUARY	• Programming technique with additional instruction. • Counters & Time delay • Stack & sub Routines.	100%.
FEBRUARY	• Code conversion, BCD Arithmetic • Software Developed system & Assembler • Interrupt.	100%.
MARCH	• The Pentium & Pentium Pro microprocessors. • Core 2 and later Microprocessor • SUN & PARC MICROPROCESSOR	90%.

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Poir
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

(2018-19)

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Pushpa Sabale

DEPARTMENT

IT

FY / SY / TY (BA / BCOM / BSC

CLASS

(GEN / IT)

SUBJECT NAME

Business Intelligence

SEMESTER

(II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	- Business Intelligence - Decision support systems	100%
DECEMBER	- Mathematical model & decision making - Data mining - Data preparation	100%
JANUARY	- Classification - Clustering	100%
FEBRUARY	- Business intelligence applications - Data envelopment analysis	100%
MARCH	- Knowledge management - Artificial intelligence	90%

PROFESSOR SIGN



PRINCIPAL SIGN

Principal

Jeevandeep Shaikshnik Sanstha Po's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Pushpa Mam Sabale

DEPARTMENT

IT

CLASS

FY / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

C.O.S.T.

SEMESTER (II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	- The Mean, Median, Mode & other Measure of Central Tendency - The standard Deviation. - Introduction to R.	90%
DECEMBER	- Moment, Skewness, kurtosis. - Elementary Probability Theory - Elementary Sampling Theory	90%
JANUARY	- Statistical Estimation Theory - Statistical Decision Theory. - The Chi statistics in R.	90%
FEBRUARY	- Small Sampling Theory - The chi-square Test.	90%
MARCH	- Curve Fitting & the Method of Least Squares. - Correlation Theory	100%

PROFESSOR SIGN



Principal SIGN

Jeevandeep Shaikshnik Sanstha Poi's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts.Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Pushpa R. Sable

DEPARTMENT

IT

FY / SY / TY (BA / BCOM / BSC)
CLASS (GEN / IT)

SUBJECT NAME

Numerical & Statistical Methods SEMESTER (II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	• Mathematical Modeling & Engi. Problem Solving. • Approximation & Round-off Errors • Truncation Errors & Taylor Series	90-%
DECEMBER	• Solutions of Algebraic & Transcendental Equations : • Interpolation	100-%
JANUARY	• Solution of Simultaneous algebraic eq n using iterative methods. • Numerical Differentiation, Integration • Numerical solution of 1st & 2nd order.	100-%
FEBRUARY	• Least-Squares Regression • Linear Programming	90-%
MARCH	• Random variable • Distributions.	90-%

Pushpa R. Sable

PROFESSOR SIGN



[Signature]

Principal SIGN

Jeevandeep Shaikshnik Sanstha Poir's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Pushpa R. Sable

DEPARTMENT

IT

FY / SY / TY (BA / BCOM / BSC

CLASS

(GEN / IT)

SUBJECT NAME

Introduction to Embedded System

SEMESTER

(II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLETION
NOVEMBER	- Introduction - Core of embedded systems. - Characteristic & quality attributes of E.S.	100%
DECEMBER	- Embedded system - Application & Domain Specific - Embedded Hardware - Peripherals.	100%
JANUARY	- The 8051 Microprocessor controller 8081 Programming in C	90%
FEBRUARY	- Designing Embedded system with 8088 Microcontroller. - Programming embedded systems.	90%
MARCH	- Real Time operating system : - Design & Development.	100%

PROFESSOR SIGN



Principal SIGN

Jeevandeep Shaikshnik Sanstha Poir
 Art's, Commerce & Science College, Khardi
 Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Miss Sneha A. Madke

DEPARTMENT

B.Sc IT

CLASS FY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Object oriented programming

SEMESTER (II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	Vacations.	
DECEMBER	- Object oriented methodology - What is object. - object devⁿ themes - Benifits & application. - principles of loop	100 %
JANUARY	- classes & objects. - Constructors & Destructors - Polymorphism	100 %
FEBRUARY	- virtual functions - programme devⁿ using Inheritance	100 %
MARCH	- Exeption Handling - Mechanism - concept of throw & catch with Exemple	100 %
Aprl	- Templates - working with files	100 %

PROFESSOR SIGN



Principal SIGN

Jeevandeep Shaikshnik Sanstha Poi's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Miss Sneha A. Madke

DEPARTMENT

B.Sc.IT

CLASS

VI / V / IV / III / II / I (BA / BCOM / BSC
(GEN / IT))

SUBJECT NAME

ITSM

SEMESTER

(II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	Vactions.	
DECEMBER	Power of Arrest without warrant under the IT Act - weapon or a force - cyber criminal justice - pending.	100%
JANUARY	IT Service management - Service Strategy Principles - Challenges & Risks	100%
FEBRUARY	- Service Design principles - Service Design process - challenges - Risk	100%
MARCH	- Service Transactions - process - challenges - Risk	100%

April

- Service Operations
- principles, challenges & Risk
- continual service improvement
- principles
- CSF principles

100%

PROFESSOR SIGN



PRINCIPAL SIGN

Principal

Jeevandeep Shaikshnik Sanstha Poi's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Miss Sneha A madhe

DEPARTMENT

B.Sc IT

CLASS

SY ☒ BA ☒ BCOM ☒ BSC
(GEN / IT)

SUBJECT NAME

SE

SEMESTER

III ☒ IV ☒ VI

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	Actions	
DECEMBER	- Introduction to QA SE. - Application of software - SW process - SW depn process models - Agile SW depn	100%
JANUARY	- Socio-technical system - critical system - Requirement Engineering - system model	100%
FEBRUARY	- Architecture Design - VID - Project management - Quality Management	100%
MARCH	- verification & validation - Software Management - software cost Estimation	100%

April

- Process Improvement
- service oriented SW engin
- SW reuse
- distributed SW engineering

100%

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Poo's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Miss Sneha Madke

DEPARTMENT

B.Sc. IT

CLASS

ET / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

SQA

SEMESTER

(II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	vacation.	
DECEMBER	- Introduction to quality - core components of quality - quality view - financial aspect of quality - total quality.	100%
JANUARY	- fundamental of testing - testing Application - Tools	100%
FEBRUARY	- Test strategy - principles - Service design Process - Challenges , risks	100%
MARCH	- Software Testing - Boundary value Testing - Table Base testing - Decision testing	100%
April	- Data flow testing - Software verification & validation - re-testing - Level of testing - Specific test	100%

PROFESSOR SIGN



PRINCIPAL SIGN

Principal

Jeevandeep Shaikshnik Sanstha Pori's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 001.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Miss Sneha A. Madke

DEPARTMENT

B.Sc. IT

CLASS

FY / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

CGA

SEMESTER

(II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	Vacation	
DECEMBER	Introduction to CG - Appl ⁿ & software - ITP devices for operator interaction - Scan conversion : Algorithm	100%
JANUARY	- Two Dimensional Transformation - Three Dimensional Transformation.	100%
FEBRUARY	- viewing in 3D - light & color - visible surface determination	100%
MARCH	- planning curve & surface - parametric curves	100%
April	- computer animation - Image manipulation & storage	100%

PROFESSOR SIGN



Principal SIGN

Jeevandeep Shaikshnik Sanstha Pvt's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane

Academic Year- 2018-19

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

V.V. Vekhande

DEPARTMENT

Chemistry

CLASS

II / SY / II (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Analytical Chemistry

SEMESTER

II / IV / VI

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER		
DECEMBER	Separation Techniques in Analytical Chemistry.	100%
JANUARY	Instrumental Methods. pH metro, Potentiometry, Conductometry.	100%.
FEBRUARY	Statistical treatment of analytical data. II Nature of Indeterminant errors	100%
MARCH	Distribution of random errors. Criteria for rejection of doubtful results. Graphical representation.	100%



PROFESSOR SIGN





Principal

Jeevandeep Shaikshnik Sanstha Pvt. Ltd.
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Academic Year - 2018-19

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Bhushan Atmanam Vishe

DEPARTMENT

mathematics

CLASS

FY / ~~SY~~ / ~~TY~~ (BA / BCOM / BSC)
(GEN / ~~IT~~)

SUBJECT NAME

calculus I paper I SEMESTER (II / ~~IV~~ / ~~VI~~)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	<u>series. U-I</u> all comparison test. of series term.	
DECEMBER	leibniz test; Cauchy criterium. harmonic series	100%.
JANUARY	<u>U-II</u> limit of continuity of fun ⁿ	100%.
FEBRUARY	<u>Application of Differen-</u> <u>tion. - U-III.</u> Rolle's Theorem,	
MARCH	langrandes, Cauchy mean value Theorem monotone increasing	100%.

PROFESSOR SIGN

13/11



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Poir's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Academic Year - 2018-19

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Bhushan Anandaram Vishke

DEPARTMENT

Mathematics

CLASS

FY / SY / TY (BA / BCOM / BSC
(GEN / IT))

SUBJECT NAME

Algebra paper-II SEMESTER (II / IV / V)

MONTH	TOPIC NAME	% OF COMPLETION
NOVEMBER	<u>Unit I</u> system of linear eqn of matrices, parametric eqn of planes, system of	
DECEMBER	homogenous, & non homogenous linear eqn matrix of real entries, +, -, type of matrix	100%
JANUARY	<u>Unit II</u> Vector space definition of real V.S in R^n subspace, properties.	
FEBRUARY	finite linear combination of vector in a vector space, arbitrary section	100%
MARCH	<u>Unit III</u> Basis of linear transformation kerT, imT domain, co-domain, all. ex.	100%

PROFESSOR SIGN

ASW



PRINCIPAL SIGN

Principal

Jeevandeep Shaikshnik Sanstha Pvt's
Arts, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Academic Year - 2018-19

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Bhushan Atmanam Vishe

DEPARTMENT

Mathematics

CLASS

BA / BCOM / BSC
(GEN / IT)

SUBJECT NAME

Calculus II paper I SEMESTER (II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLETION
NOVEMBER	<u>Unit 2 - Riemann integration</u> all definitions of Riemann integration -	
DECEMBER	concept properties of practical problems Theory.	100%.
JANUARY	<u>Unit II Indefinite & improper integrals</u> Fundamental Theorem of	
FEBRUARY	calculus, mean value theorem, Leibniz rule, comparison test	100%.
MARCH	<u>Unit III Application</u> <u>β & γ funⁿ & Their</u> properties, relation bet ⁿ β & γ	100%.

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Pvt's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Bhushan Atmanand Vishe

DEPARTMENT

Mathematics

CLASS

VI / SY / TA (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Algebra II p-II

SEMESTER (II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLETION
NOVEMBER	<u>Unit I Group & subgroup</u> all definition, properties, problem solve,	
DECEMBER	abelian group, order of group, finite & infinite group, example	100%
JANUARY	<u>Unit II cyclic group & subgroup</u> including $2, 2n$ & $4n$	
FEBRUARY	properties, cyclic group is abelian, finite cyclic group has a unique sub- group	100%
MARCH	<u>Unit III Lagrange's Theorem & Group homomorphism</u>	100%

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Poir
Art's, Commerce & Science College, Khardi,
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Bhushan Armanam Vishe

DEPARTMENT

Mathematics

CLASS

PA / SY / IV (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Ordinary Diff eqn

SEMESTER

(I / IV / V)

MONTH	TOPIC NAME	% OF COMPLETION
NOVEMBER	<u>Unit I 1st order of degree differential eqn</u>	
DECEMBER	Existence & uniqueness Therom for the soln of 2 nd initial value problem.	100%
JANUARY	<u>Unit II 2nd order of degree Diff eqn</u> homogeneous non-homogeneous Diff eqn	
FEBRUARY	general soln of homo- geneous Diff eqn complemen- tary funn of particular integrals	100%
MARCH	<u>Unit III linear system ODE</u> Existence & uniqueness Therom	100%

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Pol's
& Science College Khardi,
Shahapur, Dist. Thane, 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR Bhushan Armanum Vishe

DEPARTMENT

Mathematics

CLASS

FY / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Basic Complex Analysis

SEMESTER

V / I / II / VI

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	<u>unit I</u> Introduction to complex Analysis	
DECEMBER		
JANUARY	<u>unit II</u> Cauchy integral formula	
FEBRUARY	<u>unit III</u> complex power series, laurent series &	
MARCH	isolated singularities	

PROFESSOR SIGN

Bhush



PRINCIPAL SIGN

Prin

Jeevandeep Shaikshnik Sanstha Pori's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Bhushan Armanum Vishe

DEPARTMENT

Mathematics

CLASS

FY / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Algebra

SEMESTER

(I / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER		
DECEMBER	<u>unit I</u> Group Theory	100%
JANUARY	<u>unit II</u> Ring theory	100%
FEBRUARY	<u>unit III</u> polynomial Ring	
MARCH	Field Theory	100%

PROFESSOR SIGN

Bhushan



PRINCIPAL SIGN

[Signature]

Jeevandeep Shaikshnik Sanstha Poir's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Bhushan Atmaram vishe

DEPARTMENT

Mathematics

CLASS

FY / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Topology in metric space

SEMESTER (IV / V / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	<u>Unit I</u> Continuous function on metric space	100%
DECEMBER	path connectedness	100%
JANUARY	<u>Unit II</u> Connected set	100%
FEBRUARY	<u>Unit III</u> sequence & series of function	100%
MARCH		

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Pvt's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College , Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Bhushan Armanum Vishr

DEPARTMENT

Mathematics

CLASS

FX / SY / TY (BA / BCOM / BSC)
(GEN / IT)

SUBJECT NAME

Graph Theory

SEMESTER (II / IV / VI)

MONTH	TOPIC NAME	% OF COMPLITION
NOVEMBER	<u>Unit I</u> colouring of graph	
DECEMBER	upper & lower bound's of vertex chromatic Number	100%
JANUARY	<u>Unit II</u> Planar group	100%
FEBRUARY	<u>Unit III</u> Combinatorics	
MARCH	Bipartite graph, Berge Theorem Forbidden position	100%

PROFESSOR SIGN



PRINCIPAL SIGN

Jeevandeep Shaikshnik Sanstha Po's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Academic Year-2018-19

Jeevandeep Shaikshnik Sanstha

Arts Commerce & Science College, Khardi

Tal Shahapur Dist Thane

NAME OF THE PROFESSOR

Prof. Siddhesh D. Rathod

DEPARTMENT

BSc (IT)

CLASS

~~LE~~ SY / TY (BA / BCOM / BSC
(GEN / IT)

SUBJECT NAME

Web Programming

SEMESTER

(~~II~~ / IV / VI)