

Department of BOTANY
FYBSc
Semester I

HoD: Ms. Sabina Dias
Contact No.9420160505
Email:sabinadias73@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE Biodiversity I	BOC1 01	Dr. Maria A. D'Souza	94041495 26	majorina1@rediffmail. com
CORE Biodiversity I	BOC1 01	Dr. Seema Dessai Fernandes	88060134 96	seema205@rediffmail. com
CORE Biodiversity I	BOC1 01	Ms. Smruti Pathak	90498150 01	snaik1910@gmail.com
GENERAL ELECTIVE(GE):Environ mental Biotechnology	BOG 101	Ms. Maria Beatriz De Souza	95610921 74	mbeatrizdesouza@gmail.com
GENERAL ELECTIVE(GE):Environ mental Biotechnology	BOG 101	Dr. Maria A. D'Souza	94041495 26	majorina1@rediffmail.com
GENERAL ELECTIVE(GE):Environ mental Biotechnology	BOG 101	Ms. Emma Fernandes	95452252 06	emmafdes123@gmail.com

Department of Chemistry
FYBSc
Semester I

HoD: JaneslineFernandes
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Email:janefern24@gmail.com

CORE: Inorganic Chemistry and Organic Chemistry (CHC-101)

Section/Chapter No.	Division	Chapter Title	Teacher's Name	Contact No.	Email ID
Sec A - 1	I/II/III	Atomic Structure	Dr Mira Parmekar	9923666940	mira.parmekar@gmail.com
Sec A - 2	I/II/III	Chemical Bonding and Molecular Structure	Ms Isabel de Noronha	9767948311	Isabel.n@xavierscollege-goa.com
Sec B - 1	I/II/III	Fundamentals of Organic Chemistry	MsFlaviaTravasso	9921340305	flavia17travasso@rediffmail.com
Sec B - 2	I/II/III	Stereochemistry	Mr Mahesh Nair	9422445733	mahesh.n@xavierscollege-goa.com
Sec B - 3	I/II/III	Aliphatic Hydrocarbons	Mr Mahesh Nair MsFlaviaTravasso	9422445733 9921340305	mahesh.n@xavierscollege-goa.com flavia17travasso@rediffmail.com

GENERAL ELECTIVE (GE):Fascinating World of Chemistry (CHG-103)

Section/Chapter No.	Chapter Title	Teacher's Name	Contact No.	Email ID
1	Importance of Science in Life	DrSagarPatil	9049698542	sagap21@gmail.com
2	Indian Scientists			
3	Basic Organic Chemistry			
4	Hydrogen and Water			
5	Oxygen and Sulphur			
6	Carbon and Nitrogen	DrJohnross Albuquerque	7798423270	johnross.a@xavierscollege-goa.com
7	Halogens and Noble Gases			
8	Chemistry and Industry	DrSagarPatil	9049698542	sagap21@gmail.com

Department of Computer Science
FYBSc
Semester I

HoD: Mr. Edwin D'Souza
Contact No. 9890185533
Email: guruedwin@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
Programming Fundamentals using C	CSC101	Ms. Jayada Patnekar	9764504223	jayada.patnekar@gmail.com
Computer Fundamentals and Emerging Technologies (Arts)	CSG101	Mr. Parmanand Mandrekar	9923096485	parmanand_mandrekar@rediffmail.com
Multimedia Technology (Commerce)	CSG108	Ms. Avani Kharde	8805417029	avanikharde@gmail.com
Multimedia and Web Design (Science)	CSG104	Ms. Jayada Patnekar	9764504223	jayada.patnekar@gmail.com

Department of Electronics
FYBSc
Semester I

HoD: Daryl Gonsalves
Contact No.8308430704
Email:darrbilliongo@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE : Network Analysis and Analog Electronics	ELC 101	Dr Noel G. Tavares	9284447952	noelgtavares@gmail.com
GENERAL ELECTIVE (GE): Electronic Circuits and PCB Designing	ELG 101	Mr Kenneth S. Lobo	9309926658	shanelobo3@gmail.com

Department of Mathematics
FYBSc
Semester I

HoD: Dr.B.C.Nair
Contact No.9764326560
Email:nairbc2001@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE :Calculus & Numerical Methods		Mr. Rahul Naik	8975104734	rahulnaik160@gmail.com
GENERAL ELECTIVE(GE) :Probability & Statistics		Dr. B. C. Nair	9764326560	nairbc2001@gmail.com

Department of Microbiology
FYBSc
Semester I

HoD: Ms Ursula Barreto
Contact No. 9822121937
Email: ursulapintobarreto@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE :Microbiology and Biochemistry I	MIC 101	Dr. Sheryanne Velho-Pereira	9822014592	email id:sheryvelho@gmail.com
Microbiology and Biochemistry I	MIC101	Dr. Valerie Gonsalves	9923514101	valerie.gonsalves@gmail.com

Department of PHYSICS
FYBSc
Semester I

**HoD: Mr. Manoj
D. Salgaonkar**

Contact No. 9423504061

Email: mantejsal@gmail.com

Paper	Code & Section	Teacher's Name	Contact No.	Email ID
CORE: Mathematical Methods and Mechanics & Electrical Circuit Theory	PHC101 Section I	MrSujay S. Rane	9422240984	9422240984 Sujayrane2014@gmail.com
CORE: Mathematical Methods and Mechanics & Electrical Circuit Theory	PHC101 Section II	Mr. Pradeep V. Morajkar	9822139319	pvmorajkar@gmail.com

Department of BOTANY
SYBSc
Semester III

HoD: Ms. Sabina Dias
Contact No.9420160505
Email:sabinadias73@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE :Plant Anatomy and Embryology	BOC 103	Ms. Wendy Martins	9822681586	wendyfxavier@gmail.com
CORE :Plant Anatomy and Embryology	BOC 103	Mr. Conceicao De Souza	9823254060	cdconcy4174@gmail.com
CORE :Plant Anatomy and Embryology	BOC 103	Dr. Suraksha Dongrekar	9823206779	sdongrekar@gmail.com
SKILL ENHANCEMENT COURSE (SEC): Floriculture	BOS 101	Ms. Wendy Martins	9822681586	wendyfxavier@gmail.com
SKILL ENHANCEMENT COURSE (SEC): Floriculture	BOS 101	Mr. Conceicao De Souza	9823254060	cdconcy4174@gmail.com

Department of Chemistry
SYBSc
Semester III

HoD: Janesline Fernandes
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CORE : Physical Chemistry and Organic Chemistry (CHC-103)

Section/Chapter No.	Division	Chapter Title	Teacher's Name	Contact No.	Email ID
Sec A - 1	I/II/III	Solutions	Ms Sheryl D'Cruz	9420119561	sheryldcruz@rediffmail.com
Sec A - 2	I/II/III	Phase Equilibrium			
Sec A - 3	I/II/III	Conductance	Ms Shivta Mhamal	8888456762	shivta.mayenkar@rediffmail.com
Sec A - 4	I/II/III	Electrochemistry			
Sec B - 1		<ul style="list-style-type: none"> •Carboxylic Acids and their Derivatives •Amines and Diazonium Salts •Amino acids and Peptides •UV-Visible Spectroscopy in Organic Chemistry •Carbohydrates 	Ms Kathleen Pinto Div I	9822984615	pintokathleen@yahoo.com
Sec B - 2					
Sec B - 3					
Sec B - 4			Dr. Vinod Mandrekar Div II	9834739079	vkmandrekar@yahoo.com
Sec B - 5					
			Dr. Sagar Patil Div III	9049698542	sagap21@gmail.com

SKILL ENHANCEMENT COURSE (SEC) Natural Resources and Analysis (CHS-101)

Section/Chapter No.	Chapter Title	Teacher's Name	Contact No.	Email ID
1	Review of Energy Sources	Ms Milagrina D'Souza	7798271286	milagrina.d@xaviercollege-goa.com
2	Coal			
3	Petroleum and Petrochemical Industry			
4	Analysis of Food Products	Ms Shubhada Gawandi	9764935793	shubhada.dessai@gmail.com
5	Analysis of Soil			
6	Analysis of Water			

Department of Computer Science
SYBSc
Semester III

HoD :Mr. Edwin D'Souza
Contact No. 9890185533
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Paper	Code	Teacher's Name	Contact No.	Email ID
Database Management Systems	CSC103	Mr. Edwin D'Souza	9890185533	guruedwin@gmail.com
Programming in Python	CSS103	Ms. Prajoti Chimulkar	9822155668	prajoti15@gmail.com
Computer Systems - Desktop Publishing (Arts)	CSG107	Ms. Avani Kharde	8805417029	avanikharde@gmail.com

Department of Electronics
SYBSc
Semester III

HoD: Daryl Gonsalves
Contact No.8308430704
Email:darrbilliongo@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE : Communication and Electronics	ELC 103	Mr Darryl Gonsalves	8308430704	darrbilliongo@gmail.com
SKILL ENHANCEMENT COURSE (SEC): Programming in C++	ELS 103	Ms Vilma M. T. Fernandes	9834541830	vilmafdes@gmail.com

Department of Mathematics
SYBSc
Semester III

HoD: Dr.B.C.Nair
Contact No.9764326560
Email: nairbc2001@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE :Ordinary Differential Equation and Discrete Mathematical Structures		Mr. Rahul Naik	8975104734	rahulnaik160@gmail.com
SKILL ENHANCEMENT COURSE (SEC): Statistical Methods		Ms. Vikita Sinari	7038668063	vikitasinari29@gmail.com

Department of Microbiology
SYBSc
Semester III

HoD: Ms Ursula Barreto
Contact No. 9822121937
Email: ursulapintobarreto@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE : Environmental Microbiology	MIC103	Ms. Linette de Souza	9822139572	linettedesouza@gmail.com
SKILL ENHANCEMENT COURSE (SEC): Food and Dairy Microbiology	MIS 101	Dr. MarielouFe rrao	9822484108	marielou.ferrao@gmail.com

Department of PHYSICS
SYBSc
Semester III

HoD: Mr. Manoj D. Salgaonkar

Contact No. 9423504061
Email: mantejsal@gmail.com

Paper	Code & Section	Teacher's Name	Contact No.	Email ID
CORE: Waves & Oscillations and Electronics	PYC 103 Section I	Ms Abigail Desouza	9146391230	Abi28194@gmail.com
Waves & Oscillations and Electronics	PYC 103 Section II	Mr. Manoj D. Salgaonkar	9423504061	mantejsal@gmail.com
SKILL ENHANCEME NT COURSE (SEC): Electrical and Electronic Instrumentation	PYS105	MsPriyank a B. Kambli	9673794634	Priyanka271993@gmail.com

Department of BOTANY
TYBSc
Semester V

HoD: Ms. Sabina Dias
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Email:sabinadiaz73@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE: Classical Taxonomy and Phylogeny	BOC 105	Dr. Harshala Gad	9158127941	harshalashetgaonkar@gmail.com
CORE: Cell Biology and Biochemistry	BOC 106	Dr. Seema Dessai Fernandes	8806013496	seema205@rediffmail.com
CORE: Microbiology and Plant Pathology	BOC 107	Dr. James D'Souza	9823708973	james2442@gmail.com
DISCIPLINE SPECIFIC ELECTIVE(DS E): Plant Tissue Culture	BOD 101	Ms. Sabina Dias	9420160505	sabinadiaz73@gmail.com
DISCIPLINE SPECIFIC ELECTIVE (DSE): Plant Tissue Culture	BOD 101	Dr. SurakshaDongrekar	9823206779	sdongrekar@gmail.com
DISCIPLINE SPECIFIC ELECTIVE (DSE): Economic and Medicinal Botany	BOD 103	Ms. Maria Beatriz De Souza	9561092174	mbeatrizdesouza@gmail.com

Department of Chemistry
TYBSc
Semester V

HoD: JaneslineFernandes
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Email: janefern24@gmail.com

Sr No.	Topics / Chapters	Teachers	Contact No.	email id
	CORE: CHC 105: Physical Chemistry Section A			
1	Nuclear Chemistry - I	Prof. TusharAnvekar	9226417414	tsanvekar@yahoo.co.in
2	Electrochemistry - I	Ms. Sheryl D'Cruz	9420119561	sheryldcruz@rediffmail.com
	Section B			
3	Quantum Chemistry - I	Mr. Johnross Albuquerque	7798423270	johnross.a@xavierscollege-goa.com
4	Molecular Spectroscopy - I	Prof. TusharAnvekar	9226417414	tsanvekar@yahoo.co.in
	CORE: CHC 106: Inorganic Chemistry Section A			
1	Periodicity of Elements, Noble Gases	Ms. JaneslineFernandes	9421092328	janefern24@gmail.com
2	Chemistry of Halogens, Inorganic Solid State Chemistry	Ms. Isabel de Noronha	9767948311	Isabel.N@xavierscollege-goa.com
	Section B			
5 6 7	Bonding in Co-ordination compounds Oxidation & Reduction Selected Topics A. Nanochemistry B. Bio-inorganic Chemistry	Ms. Edwina Pereira	9923144096	edwina24pereira@gmail.com

	CORE:CHC 107: Organic Chemistry Section A			
1	Aromaticity, Aromatic Hydrocarbons & reactivity	Ms. Kathleen Pinto	9822984615	pintokathleen@yahoo.com
2	Alkaloids			
3	Spectroscopic methods in organic chemistry			
	Section B			
4	Chemistry of Heterocyclic compounds	Mr. Mahesh Nair	9422445733	mahesh.n@xavierscollege -goa.com
5	Vitamins & Hormones			
6	Dyes			
	DISCIPLINE SPECIFIC in Analytical chemistry ELECTIVE(DSE):CHD 101: Basic Topics			
1	Introduction	Dr. Andrew D'Souza	9604291047	andrewsouza87@gmail.com
2	Quantitative Analysis			
3	Sampling Techniques	Ms. Edwina Pereira	9923144096	edwina24pereira@gmail.com
4	Evaluation of Analytical data	Dr. Andrew D'Souza	9604291047	andrewsouza87@gmail.com
5	Solvent Extraction			
6	Chromatography			
7	Electroanalytical Methods	Ms. Edwina Pereira	9923144096	edwina24pereira@gmail.com
	DISCIPLINE SPECIFIC ELECTIVE (DSE) : CHD 104 : Essentials in Pharmaceutical Chemistry			
1	General Introduction to Pharmaceutical Chemistry	Ms. Flavia Travasso	99221340305	flavia17travasso@rediffmail.com
2	Physico chemical Properties of drugs			
3	metabolism Nomenclature of drugs and structure activity relationship			
4	Introduction to drug design			
4	Introduction to drug design	Mr. Mahesh Nair	9422445733	mahesh.n@xavierscollege -goa.com

5	Definition & Classification with structure of the following drugs: Infective agents, Antimycobacterial agents	Ms. Flavia Travasso	99221340305	flavia17travasso@rediffmail.com
6	Antineoplastics, Sulfonamides,			
7	Hypoglycemics, Diagnostic agents & Diuretics			
8	Analgesic, antipyretics, anti-inflammatory & antibiotic			
8	Cardiovascular and Parkinsonism drugs	Mr. Mahesh Nair	9422445733	mahesh.n@xavierscollege-goa.com
9	Central Nervous system drugs			
10	Drugs acting on cholinergic and adrenergic nervous system			
11	Antihistaminics&anthelmintics& antiulcer drugs	Ms. Flavia Travasso	99221340305	flavia17travasso@rediffmail.com
	DISCIPLINE SPECIFIC ELECTIVE(DSE): CHD 102: Green methods & safety aspects in Chemistry Section A			
1	Green Chemistry	Dr. Mira Parmekar	9923666940	mira.parmekar@gmail.com
2	Green Techniques in chemistry			
3	Real world cases in green chemistry			
	Section B			
4	Introduction to Laboratory safety	Dr. Vinod Mandrekar	9834739079	vkmandrekar@yahoo.com
5	Laboratory emergency			
5	Waste handling &			
6	laboratory equipment			

**Department of Computer Science
TYBSc
Semester V**

**HoD :Mr. Edwin D'Souza
Contact No. 9890185533
Email: guruedwin@gmail.com**

Paper	Code	Teacher's Name	Contact No.	Email ID
Computer Networks	CSC105	Ms. Sandra Fernandes	9822313843	sanfdes@yahoo.com
Object Oriented Programming	CSC106	Ms. Prajoti Chimulkar	9822155668	prajoti15@gmail.com
Software Engineering	CSC107	Mr. Parmanand Mandrekar	9923096485	parmanand_mandrekar@rediffmail.com
Data Mining	CSD102	Mr. Edwin D'Souza	9890185533	guruedwin@gmail.com
Embedded Systems	CSD104	Ms. Avani Kharde	8805417029	avanikharde@gmail.com

**Department of Electronics
TYBSc
Semester V**

**HoD: Daryl Gonsalves
Contact No.8308430704
Email:darrbilliongo@gmail.com**

Paper	Code	Teacher's Name	Contact No.	Email ID
Power Electronics	ELC 115	Mr Darryl Gonsalves	8308430704	darrbilliongo@gmail.com
Operating System	ELC 105	Ms Vilma M. T. Fernandes	9834541830	vilmafdes@gmail.com
Transducer and Instrumentation	ELC 125			
Programming with MATLAB	ELD 115	Dr Noel G. Tavares	9284447952	noelgtavares@gmail.com
Photonics	ELD 105	Mr Kenneth S. Lobo	9309926658	shanelobo3@gmail.com

Department of Mathematics
TYBSc
Semester V

HoD: Dr.B.C.Nair
Contact No.9764326560
Email:nairbc2001@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE: Algebra		Mr. GajananParab	9764923648	gpmath@gmail.com
CORE: Calculus of 2 & 3 variables				
CORE: Analysis-II		Mr. Zen Lobo	9923159739	zenlobo1990@gmail.com
DISCIPLINE SPECIFIC ELECTIVE(DSE): Combinatorics		Mr. Zen Lobo	9923159739	zenlobo1990@gmail.com
DISCIPLINE SPECIFIC ELECTIVE(DSE): Foundation Course		Mr. Rahul Naik	8975104734	rahulnaik160@gmail.com

Department of Microbiology
TYBSc
Semester V

HoD: Ms Ursula Barreto
Contact No. 9822121937
Email: ursulapintobarreto@gmail.com

Paper	Code	Teacher's Name	Contact No.	Email ID
CORE: Medical Microbiology	UMIC 105	Ruella D'souza	9860446131	dsouzaruella@gmail.com
CORE: Industrial Microbiology	UMIC 106	Ms. Arina Frank	9326220385	arinafrank@gmail.com
CORE: Microbial Genetics	UMIC 107	Ms Ursula Barreto	9822121937	ursulapintobarreto@gmail.com
DISCIPLINE SPECIFIC ELECTIVE(DSE): Microbial Physiology	UMID102	Mr. Siddhesh Menon	9764326840	siddhesh.menon@gmail.com
DISCIPLINE SPECIFIC ELECTIVE(DSE): Microbial Physiology	UMID102	Dr. Marielou Ferrao	9822484108	marielou.ferrao@gmail.com

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Department of PHYSICS
TYBSc
Semester V

**HoD: Mr. Manoj
D. Salgaonkar**
Contact No. **9423504061**
Email: **mantejsal@gmail.com**

Paper	Code & Section	Teacher's Name	Contact No.	Email ID
CORE: Classical Mechanics and Thermal Physics	UPHC105	Dr. Bosco Lawrence	9850757195	boscolaw@rediffmail.com
CORE: Analog and Digital Electronics	UPHC106	Dr. Nelson Lobo	9881385492	lobonanc@gmail.com
CORE: Mathematical Physics & Electromagnetic Theory I	UPHC107	Mr. Rajendra V. Kanekar	9922233325	rvkanekar@rediffmail.com
DISCIPLINE SPECIFIC ELECTIVE(DSE): Quantum Mechanics	UPHD-101	Mr. Pradeep V. Morajkar	9822139319	pvmorajkar@gmail.com
DISCIPLINE SPECIFIC ELECTIVE(DSE): Solid State Physics UPHD103	UPHD103	Dr. Benedict Soares	9822385379	bentopaul1234@gmail.com