



Rayat Shikshan Sanstha's

# **Balwant College, Vita**

Tal: Khanapur, Dist: Sangli

## **Criterion I:**

### **Curricular Aspects**

**1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human values, Environmental and Sustainability into Curriculum.**

# University Syllabus

**Balwant College, Vita**  
**Department of Computer Science(Entire)**


How institution integrates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics into the curriculum.

**Environmental issues**

Sr.	Class	Subject	Name Of ThePaper	Title Of The Related Topic With	Name Of The Author	Issues Addressed
1	BCS II	Environment alsience	Environment alsience	Climate Change	Amitav Ghosh	Climate Change Issuesof forest fire, Extreme weather and diseases

**Professional Ethics Issues**

Sr.	Class	Subject	Name Of ThePaper	Title Of The Related Topic With	Name Of The Author	Issues Addressed
1	BCS II	Computer Science Paper VIII	Computer Networks	Network Security	James Graham , Richard Howard	Computer Ethics

  
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Department of Mathematics

How institution integrates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics into the Curriculum.

**Professional Ethics**

Sr.No.	Class	Subject	Name Of The Paper	Title Of The Related Topic	Name Of The Author	Issues Addressed
1	B.Sc. I	Mathematics	Differentia l Equations	Ordinary Differential Equations	M.D. Raisinghania	Differential equations are used to calculate the movement or flow of electricity, motion of an object to & fro like a pendulum, to explain thermodynamics concepts.
2	B.Sc. II	Mathematics	Vector Calculus	Integral Transformatio n	Shanti Narayan & P.K.Mittal.	Concept of line integral helps to calculate the work done by force on a moving object in a vector field.
3	B.Sc. III	Mathematics	Metric Space	Connectedness ,Completeness ,Compactness	R.R.Goldberg	Metric space methods have been employed for decades in various applications for example in internet search engines, image classification or protein classification.

**HEAD,**  
Dept. of Mathematics  
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**Balwant College, Vita**  
**Department of Zoology**  
**Cross-Cutting Issues**

Sr. No.	Course	Name of Paper	Topic	Gender equality/Environmental Human Values
1.	B. Sc. I	Animal Diversity I	Kingdom Protista, Phylum Porifera, Phylum Cnidaria, Phylum Platyhelminthes, Phylum Nematelminthes, Phylum Annelida, Phylum Arthropoda, Phylum Mollusca, Phylum Echinodermata.	Environmental
		Cell Biology and Evolutionary Biology	History of Life, Introduction to Evolutionary Theories, Direct Evidences of Evolution, Extinction.	Environmental
		Animal Diversity and Insect Vectors	Type Study of Rat, Insect Vectors.	Environmental
		Genetics	Introduction to Genetics, Mendelian and Post Mendelian Study, Linkage and Crossing Over.	Human Values
			Mutation, Sex Determination	Gender equality
2.	B. Sc. II	Animal Diversity II	Hemochordata, Protochordata, Agnatha, Pisces, Type Study of Frog, Reptile, Aves, Mammals.	Environmental
		Biochemistry	Carbohydrate Metabolism, Lipid Metabolism, Protein Metabolism, enzymes	Human Values
		Reproductive Biology	Structure and Hormones of Pituitary Gland	Human Values
			Functional Anatomy of Female Reproductive System, Functional Anatomy of Male Reproductive System, Reproductive Health, Contraceptive Methods.	Gender Equality
		Applied Zoology I	Introduction to Host Parasite Relationship, Epidemiology of Diseases, Insects of Economic Importance, Poultry Farming, Sericulture.	Environmental
3.	B. Sc. III	Comparative Anatomy of Vertebrates Molecular Cell Biology and Biotechnology Biotechniques and Biostatistics Aquatic Biology	Integumentary System, skeletal System, Digestive System, Respiratory System, Circulatory System, Evolution of Kidney, Nervous System, Sense Organs.	Environmental
			Molecular biology, Protein Synthesis, Molecular Techniques in Gene Manipulation.	Human Values
			Genetically Modified Organisms, Culture Techniques and Application.	Human Values
			Aquatic Biomes, Freshwater Biology	Environmental
			Endocrinology	Human Values

		Developmental Biology of Vertebrates Applied Zoology II Insect Vectors and Histology	Gametogenesis, Late Embryonic Development.	Human Values
			Apiculture, Animal Husbandry, Pearl Culture, Freshwater Prawn Culture, Fish Technology, Goat Farming	Environmental
			Dipteran as a Disease Vector, Siphonoptera as a Disease Vector	
4.	M.Sc. I	Applied Entomology	Stored Grain Pests, Sericulture, Lac Culture, Types of Forest Pests, Types of Insect Pests.	Environmental
			Veterinary Entomology, Forensic Entomology, Nutritional Entomology	Human Values
5.	M.Sc. II	Genetics	Human Cytogenetics, Genetic Counselling	Gender Equality
		Animal Cell Culture	Biology and Characterization of Cultured Cells and Applications of Animal Cell Culture, Cell Surgery and Tissue Engineering.	Human Values
		Toxicology	Concept and Scope of Toxicology, Toxicity of Metals, Food Additives	Human Values

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**Department of Marathi**  
**2023-24**  
**cross-cutting issues**

Sr. No.	Class	Subject	Name Of The Paper	Title Of The Related Topic With Name Of The Author	Issues Addressed
1	B.A.I	Marathi	शब्दसंहिता	पन्नासपैकी शून्य मार्क-शांताबाई शेळके, वासना-भास्कर चंदनशिव, माणसासारखा माणूस असूनही, आग आणि फुफाटा-प्रजा दया पवार, माती,पंख आणि आकाश-जानेश्वर मुळे, काव्यगंध (कविता), मराठी वाङ्मयाचा इतिहास, मुलुखावेगळी माणसे	Gender equality
2	B.A.I	Marathi	अक्षरबंध	जांभळढव्ह- भास्कर चंदनशिव, फुलराणी, अप्सरांचे गाणे-बालकवी, एका वृक्षाची गोष्ट-लोकनाथ यशवंत, काव्यगंध (कविता), मराठी वाङ्मयाचा इतिहास, मुलुखावेगळी माणसे	Environment and Sustainability
3	B.A.II	Marathi	साहित्यकृती: देवबाभळी -प्राजक्त देशमुख	साहित्यकृती: देवबाभळी -प्राजक्त देशमुख नाटक वाङ्मय प्रकार: संकल्पना व स्वरूप देवबाभळी आशयसूत्रे व कथानक, पात्रे, घटना, प्रसंग, संवाद व संघर्ष नाट्यविशेष व भाषिक विशेष	Professional Ethics
4	B.A.III	Marathi	मराठी भाषा आणि अर्थाजर्नाच्या संधी	शब्दाचे मोल- चंद्रशेखर धर्माधिकारी, निवड- यशवंतराव चव्हाण,तडा, लाल चिखल- भास्कर चंदनशिव, मराठी भाषा आणि अर्थाजर्नाच्या संधी	Gender equality
5	M.A. I	Marathi	भाषिक आविष्काराची रूपे	भाषेची ओळख-भाषेची सर्जनशील प्रक्रिया-भाषा आणि साहित्य-भाषा आणि कथन	Professional Ethics
6	M.A.II	Marathi	समाजभाषाविज्ञान	समाजभाषाविज्ञानाचे स्वयुप आणि व्याप्ती-भाषा, समाज आणि संस्कृती, सामाज भाषा विज्ञान	Environment and Sustainability

*D.P. Waghmare*

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समाजभाषा विभाग  
समाजभाषा विभाग, विला (जि.सांगली)

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Department of Psychology

Cross –Cutting Issues

2023-2024

Sr.No.	Course	Subject	Name of Paper	Topic	Gender/ Environmental/ Human Values
1	B.A.I	Psychology	General Psychology	Personality	Human Values
2	B.A.II	Psychology	Modern Social Psychology	Pro-Social Behavior	Human Values
3	B.A.II	Psychology	Applied Psychology	Love and Commitment	Human Values
4	B.A.II	IDS	Traditional Logic	Nature and Kind of Inductive	Human Values

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Head.

Department of Psychology.



**Rayat Shikshan Sanstha's**  
**Balwant College, Vita**  
**Department of Commerce and Management**  
**Cross Cutting Issues (2023-24)**  
**Environmental issues**

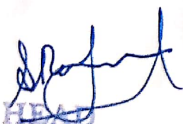
Sr.	Class	Subject	Name Of The Paper	Title Of The Related Topic With	Name Of The Author	Issues Addressed
1	B.com III	Business Environment	Business Environment	Sustainable Development	Dr.S.M Bhosale Dr.R.G.korabu	Environmental Issues Natural resources of long term
2	B.com II	Environmental science	Environmental science	Climate Change	Amitav Ghosh	Climate Change Issues of forest fire, Extream weather and diseases

**Human Value Issues**


Sr.	Class	Subject	Name Of The Paper	Title Of The Related Topic With	Name Of The Author	Issues Addressed
1	B.Com III	Human Right Education COC Course	Human Right Education COC Course	Philosophical Approaches in Human Right	John Tasioulas	Human value issue of the legal right theory and the social welfare theory of right

**Professional Ethics Issues**

Sr.	Class	Subject	Name Of The Paper	Title Of The Related Topic With	Name Of The Author	Issues Addressed
	M.Com I	Advanced Accountancy Paper II (Audit)	Advanced Accountancy Paper II (Audit)	Professional Ethics	M.G. Patakar	Professional Ethics issue of auditing and assurance standards
	B.Com III	Advanced Accountancy Paper II (Audit)	Advanced Accountancy Paper II (Audit)	Professional Ethics	M.G. Patakar	Professional Ethics issue of social audit and management audit
	M.Com I	Advanced Accountancy Paper V (Taxation)	Advanced Accountancy Paper V (Taxation)	Residential Status	Dr.P.M.Herekar	Residential status issues of ordinary resident and non ordinary resident
	B.Com III	Advanced Accountancy Paper IV(Taxation)	Advanced Accountancy Paper IV(Taxation)	Deduction in Computation of total income	Dr.P.M.Herekar	Deduction issue of contribution to pension scheme of central govt (Sec 80CCD)

  
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**Rayat Shikshan Sanstha's  
Balwant College, Vita  
Department of B. Com IT  
Cross Cutting Issues (2023-24)**



Sr.	Class	Subject	Name of the Paper	Title of the Related Topic With	Name Of the Author	Issues Addressed
1	B. com IT I (Sem II)	Business Economics	Business Economics	Sustainable Development	Dr. S. M. Bhosale Dr. R. G. Korabu	Environmental Issues Natural resources of long term
2	B. Com IT Part II (Sem III)	Income Tax & GST	Income Tax & GST	Computation of Taxable Income and Tax Liability	Dr. P. M. Herekar	Human Values and Professional Ethics: Able to familiarize with practical knowledge various types of incomes and their taxability and expenses and their deductibility. Professional Ethics: Enhances knowledge about GST, different rates of tax and GST filing.
3	B. Com IT Part II (Sem IV)	Business Law	Business Law	Company Act 2013	Dr. P. M. Herekar	Professional Ethics: : Able to familiarize with practical knowledge various types of companies' types. Startup of companies, general meeting of Companies. Winding of Companies.
4	B. Com IT Part II (Sem IV)	Foundations of Financial Audit	Foundations of Financial Audit	Basic Concepts of Audit, types of Audit, Audit Report	M. G Patakar	Professional Ethics: Acquires basic knowledge on examination of books accounts and preparation of report writing on financial statement.
5	B. Com IT Part II (Sem IV)	Environmental Studies	Environmental Studies	Climate Change	Amitav Ghosh	Climate Change Issues of forest fire, Extreme weather and diseases
6	B. Com IT Part III (Sem V)	Entrepreneurship Development	Entrepreneurship Development	Theories of Entrepreneurship, Problems and measures in Entrepreneurship development.	Amitav Ghosh	Human Values and Professional Ethics: Imparting knowledge on women entrepreneurs and the various schemes available to be a successful entrepreneur

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Rayat Shikshan Sanstha's

Balwant College, Vita

Department of Mathematics

How institution integrates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics into the Curriculum.

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Balwant College, Vita

*Rayat Shikshan Sanstha's*  
**BALWANT COLLEGE, VITA**  
 Department of Botany  
**1.3 Curriculum Enrichment (30)**



1.3.1 How institution integrates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics into the curriculum.

Programme	Title of Course	Issue addressed
B.Sc. I (2023-24)	Microbes, Algae, Biofertilizers, Mycology, Phytopathology, Archegoniate Mushroom Cultivation	Environment and Sustainability  Professional ethics
B.Sc. II (2023-24)	Plant Systematics, Plant Anatomy, Plant Ecology, Economic Botany, Plant Physiology, Nursery and Gardening Techniques, Genetics, Molecular Biology	Environment and Sustainability  Gender equity, Professional ethics
B.Sc. II PP (2023-24)	Plant Protection, Study of major crops, Plant diseases and their control, Weed and their management, Insect pests and their management.	Environment and Sustainability Human value
B.Sc. III (2023-24)	Genetics and Plant breeding Microbiology, Plant pathology, Mushroom culture Technology, Cytology and research technics in Biology, plant Biotechnology and Molecular Biology, Horticulture and gardening, Bioinformatics, Biostatistics and Economic Botany, Plant Biotechnology and Paleobotany, Biofertilizers and herbal drug techniques	Environment and Sustainability, Gender Environment and Sustainability Environment and Sustainability, Gender, Professional ethics  Environment and Sustainability Environment and Sustainability, Human value Environment and Sustainability, Human value Environment and Sustainability, Human value Environment and Sustainability, Human value Environment and Sustainability, Human value

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