

Master of Rural Studies (SD) Integrated Programme

Name of Program	Master of Rural Studies (Sustainable Development) Integrated Program
Abbreviation	MRS (SD)
Duration	5 Years
Eligibility Criteria	12 th Pass in any stream from recognized board with 40 % of marks.
Objective of Program	The core objective of the MR (SD)S programme is to inculcate the need for sustainable development for rural areas. The students will become more concerned about the developmental process and participate in sustainable development programs. The student can become an agent of change with extension and research activities.
Program Outcome	<p>PO1 : Fundamental Knowledge Enrichment Program trains students with the basics components of rural society and the problems faced by them due to present developmental process. It includes socio-economic environment of rural areas and technological gaps in various fields of rural livelihood.</p> <p>PO2 : Critical Thinking Development The program develops the skills of critical thinking, identifying root causes of the problem and their solutions, evaluative learning of various techniques, and understanding the essence of the problem.</p> <p>PO3 : Evaluation of the problems The program trains students with the latest methodologies that are being used in evaluation of the problems faced by the rural society due to present developmental process. The continuous syllabi review adds value to the program for the outgoing students and make them ready to face challenging demands of the real world.</p> <p>PO4 : Resource mapping The program teaches the students to apply the advanced tools to evaluate the human and natural resources to solve real world problems faced by the rural society and adoption of sustainable development process.</p> <p>PO5 : Nurturing Project Planning and Management Capabilities The program trains students for designing and conceptualizing the sustainable village development plans through techniques of PRA and augmenting the resources and Government interventions for sustainable rural development.</p> <p>PO6 : Real World Problem Real world problems related to climate change, sustainable development and gender sensitization provides the candidates exposure to work in the challenging and demanding environment of the rural areas.</p> <p>PO7 : Team Work and Leadership Development The program rains students to work in a team and also to take leadership of the of the project development team.</p>
Program Specific Outcomes	<p>PSO1 : Develop and strengthen the fundamental core concepts that are required to solve complex problems of rural areas through sustainable development.</p> <p>PSO2 : Develop the professional and entrepreneurship skills that needs</p>

	<p>independent logical and analytical thinking, teamwork and leadership.</p> <p>PSO3 : Nurture the students to investigate for the design and development of a workable solution for a real world problem in the direction of sustainability.</p> <p>PSO4 : Develop students for self-learning, practicing challenging problem solution provision and ultimately betterment of rural people.</p> <p>PSO5 : Train students to apply managerial skills to learn diagnostic abilities to solve the problems of rural people in various fields including livelihood support in a sustainable way.</p> <p>PSO6 : Train students to use recent methods of data collection, analysis and interpretation.</p> <p>PSO7 : Train students to take-up the real world challenges to develop workable solution to a specific problem in the direction of sustainability.</p> <p>PSO8 : Inculcate the passion for continuous learning and doing research for making a successful professional career</p>
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Mapping between POs and PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
	PO1						
	PO2						
	PO3						
	PO4						
	PO5						
	PO6						

Medium of Instruction	Gujarati and English
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Program Structure		Semester 1						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Tutorials/ Practical		Duration	Marks		
MRSSD1.1	Basic Concepts of Economics	3	1	4	3 Hrs	70	30	100
MRSSD1.2	General Sociology	3	1	4	3 Hrs	70	30	100
MRSSD1.3	General Principles of Ecology and Environment	3	1	4	3 Hrs	70	30	100
MRSSD1.4	Introduction of Sustainability	3	1	4	3 Hrs	70	30	100
MRSSD1.5	Developmental Writing, Reading and Public Speaking	3	1	4	3 Hrs	70	30	100
MRSSD1.6	Environmental Issues-Local	3	1	4	3 Hrs	70	30	100
	Total	18	6	24				

Program Structure		Semester 2						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 2.1	Principles of Economics	3	1	4	3 Hrs	70	30	100
MRSSD 2.2	Developmental Sociology	3	1	4	3 Hrs	70	30	100
MRSSD 2.3	Need of Sustainability	3	1	4	3 Hrs	70	30	100

MRSSD 2.4	Composition and interpersonal communication	3	1	4	3 Hrs	70	30	100
MRSSD 2.5	Environmental issues-National	3	1	4	3 Hrs	70	30	100
MRSSD 2.6	Environment and Man	3	1	4	3 Hrs	70	30	100
	Total	18	6	24				

Program Structure		Semester 3						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 3.1	Social Theory and sociology of development	3	1	4	3 Hrs	70	30	100
MRSSD 3.2	Social responsibility and Sustainable Development/Society and Culture in contemporary India	3	1	4	3 Hrs	70	30	100
MRSSD 3.3	Developmental Economics/ Indian Rural Economy	3	1	4	3 Hrs	70	30	100
MRSSD 3.4	Gender and Environment/ Management of Co-operatives	3	1	4	3 Hrs	70	30	100
MRSSD 3.5	Biodiversity and conservation/ Panchayati Raj and Rural Development	3	1	4	3 Hrs	70	30	100
MRSSD 3.6	Application of environmental science/ Sustainable Crop production and organic farming	3	1	4	3 Hrs	70	30	100
	Total	18	6	24				

Program Structure		Semester 4						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 4.1	Global Environmental Issues/ Animal Husbandry and Dairying	3	1	4	3 Hrs	70	30	100
MRSSD 4.2	Technology, environment and society/ Soil science and agriculture management	3	1	4	3 Hrs	70	30	100
MRSSD 4.3	Principles of Geo-informatics/ Horticulture	3	1	4	3 Hrs	70	30	100
MRSSD 4.4	Sustainable Energy Resource	3	1	4	3 Hrs	70	30	100
MRSSD 4.5	EIA and Environmental Audit/ Information Technology in Rural Development	3	1	4	3 Hrs	70	30	100

MRSSD 4.6	Rural Development Policies and Programmes	3	1	4	3 Hrs	70	30	100
		18	6	24				
Program Structure		Semester 5						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 5.1	Environmental Economics	3	1	4	3 Hrs	70	30	100
MRSSD 5.2	Sustainable Rural Development	3	1	4	3 Hrs	70	30	100
MRSSD 5.3	Common property resource management	3	1	4	3 Hrs	70	30	100
MRSSD 5.4	Sustainable water management	3	1	4	3 Hrs	70	30	100
MRSSD 5.5	Legal provisions for sustainability in India	3	1	4	3 Hrs	70	30	100
MRSSD 5.6	Sustainability Communications Strategy and Reporting	3	1	4	3 Hrs	70	30	100
		18	6	24				
Program Structure		Semester 6						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 6.1	Sociology of Development and Environment	3	1	4	3 Hrs	70	30	100
MRSSD 6.2	Economy and sustainability	3	1	4	3 Hrs	70	30	100
MRSSD 6.3	Governance and Management of Natural Resources	3	1	4	3 Hrs	70	30	100
MRSSD 6.4	Food Security and Agriculture	3	1	4	3 Hrs	70	30	100
MRSSD 6.5	Research Methodology	3	1	4	3 Hrs	70	30	100
MRSSD 6.6	Field based project work	3	1	4	3 Hrs	70	30	100
		18	6	24				
Total Credits for Semester I to 6		144						
Program Structure		Semester 7						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 7.1	Human Resource management for non-profit organizations	3	1	4	3 Hrs	70	30	100
MRSSD 7.2	Quantitative analysis for Development Practice	3	1	4	3 Hrs	70	30	100
MRSSD 7.3	Developmental Economics – I	3	1	4	3 Hrs	70	30	100
MRSSD 7.4	Integrated approaches for S D	3	1	4	3 Hrs	70	30	100
MRSSD 7.5	Environment, Development and	3	1	4	3 Hrs	70	30	100

	Sustainability							
MRSSD 7.6	Quantitative analysis for Development Practice	3	1	4	3 Hrs	70	30	100
		18	6	24				
Program Structure		Semester 8						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 8.1	Development Economics-II	3	1	4	3 Hrs	70	30	100
MRSSD 8.2	Social Research Methods	3	1	4	3 Hrs	70	30	100
MRSSD 8.3	Law, Society and sustainable development	3	1	4	3 Hrs	70	30	100
MRSSD 8.4	Key concept of cultural and political ecology	3	1	4	3 Hrs	70	30	100
MRSSD 8.5	Renewable energy, policy, planning and management	3	1	4	3 Hrs	70	30	100
MRSSD 8.6	Science and Policy of climate change	3	1	4	3 Hrs	70	30	100
		18	6	24				
Program Structure		Semester 9						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 9.1	Economics of climate change/Environmental Economics	3	1	4	3 Hrs	70	30	100
MRSSD 9.2	Sustainable Development for weaker section	3	1	4	3 Hrs	70	30	100
MRSSD 9.3	Governance and management of natural resources	3	1	4	3 Hrs	70	30	100
MRSSD 9.4	Management and development of organization	3	1	4	3 Hrs	70	30	100
MRSSD 9.5	Management for sustainable development	3	1	4	3 Hrs	70	30	100
MRSSD 9.6	Winter Placement	3	1	4	3 Hrs	70	30	100
		18	6	24				
Program Structure		Semester 10						
Course Code	Title	Teaching per week		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
MRSSD 10.1	Food security and agriculture	3	1	4	3 Hrs	70	30	100
MRSSD 10.2	Gender and Sustainable Development	3	1	4	3 Hrs	70	30	100
MRSSD 10.3	Environmental Economics	3	1	4	3 Hrs	70	30	100
MRSSD 10.4	Project Design and Management for SD practice	3	1	4	3 Hrs	70	30	100

MRSSD 10.5	Project Work			8	3 Hrs	70	30	100
		15	5	24				
Total credits for Semesters 7 to 10		96						

MRS (SD) 1st Semester
MRS SD 1.1 Basic Concepts of Economics

Course Code	MRSSD : 1.1								
Course Title	Basic Concepts of Economics								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From									
Purpose of Course	The purpose of the course is to create awareness among the students regarding the basic concepts of economy, basic knowledge of economics.								
Course Objective	As a foundation of economics in this paper student is expected to understand the meaning and scope of micro economics, the behaviour of an economic agent, namely, a consumer, a producer, a factor owner and the price fluctuation in a market. The approach of this paper is to study the behaviour of a unit and analysis is generally static and in partial equilibrium framework. The units incorporated in this paper deals with nature and scope of economics, the theory of consumer behaviour and analysis of market equilibrium.								
Course Outcomes	<p>CO1 : Explain students the basic concept of economics, various definition of economics and nature of economics.</p> <p>CO2 : Make students aware about the theory of demand and various aspect related with demand It will also make students familiar with concept of marginal</p> <p>CO3 : Make students aware about the theory of supply and various aspect related with supply</p> <p>CO4 : To make students aware about the concept of equilibrium. It will also make students familiar with interrelation between demand and supply, price and quantities and concept of cost</p> <p>CO5 : To make students aware about the concept of market and various types of market. It will also make students familiar with the concept of invisible hand.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Economics activities								
Course Content	<p>Unit- I: Introduction:</p> <ul style="list-style-type: none"> • Definition, Economics- Science or Arts, Positive or Normative, Basic Assumptions. <p>Unit-II: The Theory of Demand:</p> <ul style="list-style-type: none"> • Difference between want, need and demand. • Utility- use value and exchange value, Downward sloping demand curve. • Maximization and role of marginal, average and total values. <p>Unit- III: Theory of Supply:</p>								

	<ul style="list-style-type: none"> • Difference between stock and supply. Relationship between price and supply. <p>Unit- IV: Equilibrium:</p> <ul style="list-style-type: none"> • Interrelation between demand and supply schedules. Equilibrium price and quantities. Shift in demand and supply curves. Income and substitution effects. • Costs: Marginal, total and opportunity. <p>Unit- V: Market: Invisible hand- Say's law. Perfect and imperfect competition. Oligopolies and monopolies.</p>
Reference Books	<ul style="list-style-type: none"> • Bach, G.L. (1977), Economics, Prentice Hall of India, New Delhi. • Gauld, J.P. and Edward P.L.(1999), Microeconomics Theory, Richard, Irwin, Homewood. • Henderson, J. and R.E. Quandt (1980), Microeconomics Theory - A Mathematical Approach, McGraw Hill, New Delhi. • Heathfield, and Wibe(1987), An Introduction to Cost and Production Functions, Macmillan, London. • Koutsoyiannis, A. (1990), Modern microeconomics, Macmillan, London. • Lipsey, R.G. and K.A. Chrystal (1999) , Principles of Economics, (9th Edition), Oxford University Press, Oxford. • Mansfield, E.(1997), Microeconomics (9th Edition), W.W. Norton and Company, New York. <p>Rav N.C. (1995), An Introduction to Microeconomics, Macmillan Company of India Ltd., Delhi</p>
Teaching Methodology	Class room teaching, Discussion, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 1st Semester
MRS SD 1. 2. General Sociology

Course Code	MRS SD 1.2								
Course Title	General Sociology								
Credit	4								
Teaching per Week	3+1 =4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2019								
Purpose of Course	The purpose of the course is to familiarize students with the sociological developments and forces that play in rural society.								
Course Objective	The major Objective of Course is to enhance conceptual insight of the students and systematically prepare them for developing sociological perspective with a view to train them for exploring currents of social facts. It is expected that this concepts are explained in the class room with the help of indigenous illustrations.								
Course Outcomes	CO1 : Explain students the development of sociology. CO2 :Make students aware about the basic concept of social action. CO3 :To make students aware about the social systems. CO4 : Explain the students about social structure and how it plays a major role in development. CO 5: Make the students understand about social stratification and social mobility.								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of social science								
Course Content	Unit: 1 Background of sociology Introduction to Origin of Sociology(in India and West) Sociological Point view Sociological Perspective Unit:2 Social Action Meaning and methods of Understanding: types of Social Action Unit:3 Social System Meaning and properties of social system, functional Problem of social system, Idea of moving equilibrium Unit:4 Social Structure and function: Structural Aspects of social system- values, norms, Goals and actor i.e. Individual and collectivity. Meaning and Types of social function, concepts of manifest function and latest function Unit:5 Social stratification and social Mobility: meaning,								

	characteristics caste and class as a type of social mobility
Reference Books	<p>Reference : -</p> <ol style="list-style-type: none"> 1. Bottomore, T. B., 1972 Sociology : A guide to problems and Literature, George Allen and Onwin, Bombay. 2. Smelser, N. J., 1967 Introduction to Sociology, Wiley Eastern Pvt. Ltd., N. Delhi 3. Broom and Selznick 1957, Sociology, Row paterson and Co., New York 4. Bierstedt, Robert, 1963 The Social Order, Macgraw Hill Book Co. London Hindi translation by Banwarilal Gupta and KrishnakumarJetly, સામાજિકવ્યવસ્થા(હિન્દી) 5. Merton, Robert K., 1951 Social Theory and Social Structure, The free press of Glence, Illinois. 6. Shrinivas, M. N. 1966 Caste in Modern India, California Press, Los Angeles. 7. પટેલ પ્રવિણચંદ્ર, જે. ૧૯૭૭ રોબર્ટ કે. મર્ટનનું સમાજશાસ્ત્ર, ગુજરાત યુનિવર્સિટી પ્રકાશન, અમદાવાદ
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	<p>30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc.</p> <p>70% External based on semester end University examination</p>

MRS (SD) 1st Semester

MRS SD 1.3 General Principles of Ecology and Environment

Course Code	MRS SD 1.3								
Course Title	General Principles of Ecology and Environment								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	This course is designed to give students idea about the place where we live is also occupied by other living and non-living matters and the interaction between them.								
Course Objective	It gives fundamentals of biology that will make them understand the basic principles of ecology and environment.								
Course Outcomes	CO 1: How equilibrium The students will start thinking about loving nature and natural resources and why we should take care of them.								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of biology								
Course Content	<p>Unit - I Need for the study of environment and ecology</p> <p>Unit – II The balance of nature, self versus non-self, Origin of life from Unicellular to multi-organ systems</p> <p>Unit – III Evolution of life on earth and variations, Evolutionary mechanisms- population genetics, role of inheritance and genetics, Darwinian Principles</p> <p>Unit - IV Ecology and ecosystems – concept, meaning and types</p>								
Reference Books	<ol style="list-style-type: none"> 1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner. 2. BharuchaErach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad -380 013, India, Email:mapin@icenet.net (R) 3. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p 4. Clark R.S., Marine Pollution, Clanderson Press Oxford (TB) 5. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai, 1196p 6. De A.K., Environmental Chemistry, Wiley Eastern Ltd. 7. Down to Earth, Centre for Science and Environment (R) 8. Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford 								

	<p>Univ. Press. 473p</p> <p>9. Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)</p> <p>10. Heywood, V.H &Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.</p> <p>11. Jadhav, H &Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284 p.</p> <p>12. Mckinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p.</p> <p>13. Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB)</p> <p>14. Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)</p> <p>15. Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p</p> <p>16. Rao M N. &Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p.</p> <p>17. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut.</p> <p>18. Survey of the Environment, The Hindu (M)</p> <p>19. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science.</p> <p>20. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)</p> <p>21. Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB)</p> <p>22. Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p (M) Magazine (R) Reference (TB) Textbook</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc.70% External based on semester end University examination

MRS (SD) 1st Semester

MRS SD 1.4. Introduction of Sustainability

Course Code	MRS SD 1.4								
Course Title	Introduction of sustainability								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The course is meant to introduce the meaning of sustainability and sustainability as an interdisciplinary subject. It also makes students understand the need of sustainable development for future.								
Course Objective	Course is designed to give students meaning of the term sustainability and how it is related to many walks of life and all the natural resources. It also provides the impact of anthropogenic activities on the environment.								
Course Outcomes	<p>CO 1: Students become more concerned about their own future as regards to the current method of development.</p> <p>CO 2: The journey of sustainable development, issues and problems associated it will be known.</p> <p>CO 3: Strategies of sustainable development and environmental ethics will be learned.</p> <p>CO 4: Measurement of sustainability and its yardsticks and success of the entire process will be learned.</p> <p>CO 5: The students will be exposed to the ground reality through field visits to places of interest.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of science								
Course Content	<p>Unit – I Challenges to development, concept of sustainability, need of sustainability</p> <p>Unit – II Brief history of sustainable development, issues and problems of sustainable development</p> <p>Unit – III Environmental ethics, goals and strategies of sustainable development.</p> <p>Unit - IV Sustainable development yardsticks: Measuring process and success. Future of sustainable development.</p> <p>Unit V Field visits.</p>								

Reference Books	<ol style="list-style-type: none"> 1. Reyazzuddin and R P Singh (2010) Challenges to Sustainable development in India. Deep and Deep Publications, New Delhi. 2. SakaramaSomayaji Environmental concern and Sustainable Development. TERI Publication,
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 1st Semester

MRS SD 1.5. Developmental Writing, Reading and Public Speaking

Course Code	MRS SD 1.5								
Course Title	Developmental Writing, reading and Public Speaking								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2019								
Purpose of Course	To make student communicate with people who are not speaking Indian languages and also read the literature available in non-Indian languages. The students will start expressing themselves in English language								
Course Objective	On completion of this course, the student should be more comfortable in communicating orally and literally with others with confidence.								
Course Outcomes	CO 1: speak English with an unaffected accent using stress and intonation CO 2: use acceptable English in academic writing CO 3: use English language in a more meaningful way with an enriched word power CO 4: communicate in a professional way using various communication strategies								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of English language								
Course Content	<p>Unit-1</p> <ul style="list-style-type: none"> • Article • Part of Speech • Synonyms • Antonyms • Conjunction <p>Unit-2</p> <ul style="list-style-type: none"> • Tenses • Sentence Making • Active and Passive Voice • Model Auxiliaries • Question Tag <p>Unit-3</p> <ul style="list-style-type: none"> • Self-Introduction • Dialogue Writing • Paragraph Writing 								
Reference Books	<ol style="list-style-type: none"> 1) Kumar S. and PushpLata (2012) Communication Skills in English, Oxford University Press, New Delhi. 2) Raman Minaxi and Sangeeta Sharma (2011) Communication Skills, Oxford University Press, New Delhi. 3) Wood F T (1965) A remedial English Grammar for Foreign Students, 								

	<p>MacMillan, New Delhi.</p> <p>4) Cholib Mark (2007) Towards Academic English, Cambridge University Press, New Delhi.</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	<p>30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc.</p> <p>70% External based on semester end University examination</p>

MRS (SD) 1st Semester

MRS SD 1.6 Environmental Issues- Local (with reference to Gujarat)

Course Code	MRS SD 1.6								
Course Title	Environmental Issues – Local (With reference to Gujarat)								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2019								
Purpose of Course	To make students aware about the environmental issues faced by people of Gujarat and make them understand the pollution is not only a global phenomenon but is local too.								
Course Objective	This course is designed to introduce the students with basic concepts of pollution, various types of pollution and control and prevention mechanism. The course is also aimed at introducing students with some basic aspects of disaster management. It is expected that with the help of select case studies the student would be made understand the topic.								
Course Outcomes	<p>CO 1: Students will be more aware about the different types of pollution, their effects and control measures affecting Gujarat.</p> <p>CO 2: Students are exposed to the problem of and solutions to solid waste and its management.</p> <p>CO3: The students will learn how to prevent pollution of our air, water, and soils.</p> <p>CO 4: With help of some case studies students will learn about pollution at regional level and disaster control measures.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit 1: Environmental Pollution Definition, Cause, effects and control measures of :- a. Air pollution, b. Water pollution, c. Soil pollution, d. Marine pollution, e. Noise pollution, f. Thermal pollution, g. Nuclear hazards</p> <p>Unit II : Solid waste Management Causes, effects and control measures of urban and industrial wastes.</p> <p>Unit III: Prevention of Pollution Various methods of prevention of pollution, Role of an individual in prevention of pollution.</p> <p>Unit IV:</p> <ul style="list-style-type: none"> • Pollution case studies. • Disaster management: floods, earthquake, cyclone and landslides. 								
Reference Books	<ol style="list-style-type: none"> 1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner. 2. BharuchaErach, The Biodiversity of India, Mapin Publishing Pvt. 								

	<p>Ltd., Ahmedabad -380 013, India, Email:mapin@icenet.net (R)</p> <ol style="list-style-type: none"> 3. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p 4. Clark R.S., Marine Pollution, Clanderson Press Oxford (TB) 5. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai, 1196p 6. De A.K., Environmental Chemistry, Wiley Eastern Ltd. 7. Down to Earth, Centre for Science and Environment (R) 8. Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p 9. Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R) 10. Heywood, V.H &Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p. 11. Jadhav, H &Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub.House, New Delhi. 12. Mckinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p. 13. Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB) 14. Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB) 15. Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p 16. Rao M N. &Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p. 17. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut. 18. Survey of the Environment, The Hindu (M) 19. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science. 20. Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB) 21. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R) 22. Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p (M) Magazine (R) Reference (TB) Textbook
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 2nd Semester

MRS SD 2.1 Principles of Economics

Course Code	MRSSD : 2.1								
Course Title	principles of Economics								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	JUNE 2021								
Purpose of Course	The purpose of the course is to create awareness among the students regarding various forms of business organizations and Government role in economy								
Course Objective	To introduce the students with various forms of business organizations, understanding the role of Government in economy and interrelate economics with sustainable development so that an overall picture of sustainability can be formed								
Course Outcomes	<p>CO1 : Explain students the Different forms of Business Organizations.</p> <p>CO2 : Make students aware about the Government's role in an economy. It will also make students familiar with the concept of Laissez-faire economy, Collectivist economy and Mixed economy.</p> <p>CO3 : Make students aware about the Government's role in a mixed economy. It will also make students familiar with Meaning of development, sustainability, Efficiency and equity, Public goods vs private goods, Economics of Externalities</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Economics								
Course Content	<p>Unit – I</p> <ul style="list-style-type: none"> Different forms of Business Organizations: Individual proprietorship, Partnership, Cooperative, Corporate, Public sector. <p>Unit – II</p> <ul style="list-style-type: none"> Government's role in an economy – Laissez-faire economy, Collectivist economy, Mixed economy. <p>Unit – III</p> <ul style="list-style-type: none"> Government's role in a mixed economy – Meaning of development, sustainability, Efficiency and equity- a big trade off, Public goods vs private goods, Economics of Externalities. 								
Reference Books	<p>REFERENCES :</p> <ul style="list-style-type: none"> Bach, G.L. (1977), Economics, Prentice Hall of India, New Delhi. Gauld, J.P. and Edward P.L.(1999), Microeconomics Theory, Richard, Irwin, Homewood. Henderson, J. and R.E. Quandt (1980), Microeconomics Theory - A Mathematical Approach, McGraw Hill, New Delhi. Heathfield, and Wibe(1987), An Introduction to Cost and 								

	<p>Production Functions, Macmillan, London.</p> <ul style="list-style-type: none"> ▪ Koutsoyiannis, A. (1990), Modern microeconomics, Macmillan, London. ▪ Lipsey, R.G. and K.A. Chrystal (1999) , Principles of Economics, (9th Edition), Oxford University Press, Oxford. ▪ Mansfield, E.(1997), Microeconomics (9th Edition), W.W. Norton and Company, New York. <p>Rav N.C. (1995), An Introduction to Microeconomics, Macmillan Company of India Ltd., Delhi.</p>
Teaching Methodology	Class room teaching, Discussion, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 2nd Semester
MRS SD 2.2 Developmental Sociology

Course Code	MRS SD 2.2								
Course Title	Developmental Sociology								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course									
Course Objective									
Course Outcomes									
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content									
Reference Books									
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment								
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination								

MRS (SD) 2nd Semester
MRS SD 2.3 Need of Sustainability

Course Code	MRS SD 2.3																																																															
Course Title	Need of Sustainability																																																															
Credit	4																																																															
Teaching per Week	4 Hrs																																																															
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)																																																															
Effective From	June 2019																																																															
Purpose of Course	This course will give students a broad understanding about the changing environment and the need for sustainable development.																																																															
Course Objective	The course is designed to give students an idea about poverty, hunger, violence, injustice and other socio-economic evils and the way it can be reduced through sustainable development.																																																															
Course Outcomes	CO 1: The students will become more aware about their future and will start acting on the path of sustainable development. CO 2: Sustainability in agriculture and other fields will be learnt. CO 3: The present process of development and need for sustainable development along with environmental impact assessment will be learned. CO 4: Global issues pertaining to development and how sustainable development process can help solving it.																																																															
Mapping between COs with PSOs	<table border="1"> <thead> <tr> <th></th> <th>PSO1</th> <th>PSO2</th> <th>PSO3</th> <th>PSO4</th> <th>PSO5</th> <th>PSO6</th> <th>PSO7</th> <th>PSO8</th> </tr> </thead> <tbody> <tr> <td>CO1</td> <td style="background-color: #cccccc;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO2</td> <td></td> <td></td> <td style="background-color: #cccccc;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO3</td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO4</td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> <tr> <td>CO5</td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td></td> </tr> <tr> <td>CO6</td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> </tbody> </table>		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	CO1									CO2									CO3									CO4									CO5									CO6								
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8																																																								
CO1																																																																
CO2																																																																
CO3																																																																
CO4																																																																
CO5																																																																
CO6																																																																
Pre-requisite	Basics of social science																																																															
Course Content	Unit – I Introduction – The challenges that we face today and sustainable development. Unit – II Sustainable development: A path to survival. Agriculture and sustainable development. Unit – III Role of economy, energy consumption pattern and its conservation, and environmental pollution in sustainable development. Environmental Impact Assessment Unit – IV Sustainable development and environment: some global issues.																																																															
Reference Books	1. Riyazuddin and R P Singh (2010) Challenges to sustainable development in India, Deep and Deep Publishers, New Delhi. 2. Kumar Das, Sustainable Development, Reference Press, New Delhi																																																															
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment																																																															
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination																																																															

MRS (SD) 2nd Semester

MRS SD 2.4 Composition and interpersonal communication

Course Code	MRS SD 2.4								
Course Title	Composition and interpersonal communication								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2019								
Purpose of Course	To develop the skill of communication in a foreign language for professional and academic purposes.								
Course Objective	This course focuses not on developing a particular set of "skills"(communication competence),but to explore the overarching structures that influence interpersonal interaction and investigate research on some of the major topics of interpersonal communication.								
Course Outcomes	CO 1: Student can speak English with an unaffected accent using stress and intonation. CO 2: Students can start academic writing CO 3: Students can use English language in a more meaningful way with an enriched word power.								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of English								
Course Content	<p>Unit-4</p> <ul style="list-style-type: none"> • Direct-Indirect Speech • Clause • Find the error <p>Unit-5</p> <ul style="list-style-type: none"> • Change the Degree • Change the Sentence (Assertive, Interrogative, Affirmative, Negative) • Transformation of Sentence (Simple, Complex and Compound) <p>Unit-6</p> <ul style="list-style-type: none"> • Letter Writing (Formal Letter) • Application with CV Writing • Report Writing 								
Reference Books	<p>Cupach, W. R., ed. ,&Spitzherg., B. H., ed. (Eds.), ed. , (1994). The dark side of interpersonal communication, NJ: Lawrence Erlbaum.</p> <p>Jablin. F. M., &Krone., K. J, (1994). Task/work relationships: A life-span perspective. In M. L Knap p., ed. & G. R.</p> <p>Lee, J., Jares, S. M., and Heath, R. L. Decision-Making encroachment and cooperative relationships between Public relations and legal counselors in the management of organizational crisis. Journal of Public Relations Research vol. 11 no. (3) pp. 243-270 (1999).</p>								

	<p>Littlejohn, S. W. (2002). Communication in relationships. In Theories of human communication (7th ed., pp 234- 262). Belmont, CA: Wadsworth.</p> <p>Miller, K. (1995). Conflict management processes, in Organizational communication: Approaches and Processes. Belmont, CA: Wadsworth.</p>
Teaching Methodology	Class room teaching , Discussion, Self-Study, Seminars and/or Assignment
Evaluation Method	<p>30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc.</p> <p>70% External based on semester end University examination</p>

MRS (SD) 2nd Semester

MRS SD 2.5 Environmental issues-National

Course Code	MRS SD 2.5								
Course Title	Environmental Issues – National								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	To make students aware about the environmental issues faced by people of India and make them understand the pollution is not only a global phenomenon but is national too.								
Course Objective	This course is designed to introduce the students with basic concepts of pollution, various types of pollution and control and prevention mechanism. The course is also aimed at introducing students with some basic aspects of disaster management. It is expected that with the help of select case studies the student would be made understand the topic.								
Course Outcomes	<p>CO 1 Students will be more aware about different types of pollution at national level.</p> <p>CO 2: Solid waste management and its need at national level will be explained.</p> <p>CO 3: Students will learn about mechanism to prevent various types of pollution and how individuals can prevent pollution.</p> <p>CO 4: With the help of case studies pollution, their sources and impact will be taught with disaster management in cases of flood, earthquake, cyclones etc..</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit 1:</p> <p>Environmental Pollution Cause, effects and control measures of followings at National Level:- a. Air pollution, b. Water pollution, c. Soil pollution, d. Marine pollution, e. Noise pollution, f. Thermal pollution, g. Nuclear hazards</p> <p>Unit II : Solid waste Management Causes, effects and control measures of urban and industrial wastes at National Level.</p> <p>Unit III: Prevention of Pollution Various methods of prevention of pollution, Role of an individual in prevention of pollution adopted at National Level</p> <p>Unit IV:</p>								

	<ul style="list-style-type: none"> • Pollution case studies. • Disaster management: floods, earthquake, cyclone and landslides.
Reference Books	<p>Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.</p> <p>BharuchaErach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad -380 013, India, Email:mapin@icenet.net (R)</p> <p>Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p</p> <p>Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)</p> <p>Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai, 1196p</p> <p>De A.K., Environmental Chemistry, Wiley Eastern Ltd.</p> <p>Down to Earth, Centre for Science and Environment (R)</p> <p>Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p</p> <p>Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)</p> <p>Heywood, V.H &Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.</p> <p>Jadhav, H &Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284 p.</p> <p>Mckinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p.</p> <p>Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB)</p> <p>Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)</p> <p>Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p</p> <p>Rao M N. &Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p.</p> <p>Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut.</p> <p>Survey of the Environment, The Hindu (M)</p> <p>Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science.</p> <p>Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)</p> <p>Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB)</p> <p>Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p (M) Magazine (R) Reference (TB) Textbook</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected villages, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 2nd Semester

MRS SD 2.6 General Principles of Ecology and Environment II

Course Code	MRS SD 2.6								
Course Title	General Principles of Ecology and Environment II								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2019								
Purpose of Course	To further enhance the understanding of biological world and impact of factors affecting environment on the living organisms.								
Course Objective	To make the students aware about the environmental pollutants on the ecology and ecosystem that has evolved during millions of years of evolution.								
Course Outcomes	The students will become more responsible citizens who will take care of their environment. The knowledge gained can be used to further enhance research and development.								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of science								
Course Content	<p>Unit – I Flow of energy in ecosystem, respiration, photosynthesis</p> <p>Unit – II Flow of nutrients and in ecosystem- food chain and food web, the biosphere</p> <p>Unit – III Components of environment- Lithosphere (land) Anthrosphere (manmade environment), Hydrosphere (water) Atmosphere (air) Biosphere (flora/fauna/microbes)</p> <p>Unit – IV Changes in ecosystem and environment- natural and manmade</p>								
Reference Books	<ol style="list-style-type: none"> 1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner. 2. BharuchaErach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad -380 013, India, Email:mapin@icenet.net (R) 3. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p 4. Clark R.S., Marine Pollution, Clanderson Press Oxford (TB) 5. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai, 1196p 6. De A.K., Environmental Chemistry, Wiley Eastern Ltd. 7. Down to Earth, Centre for Science and Environment (R) 8. Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p 9. Hawkins R.E., Encyclopedia of Indian Natural History, Bombay 								

	<p>Natural History Society, Bombay (R)</p> <ol style="list-style-type: none"> 10. Heywood, V.H &Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p. 11. Jadhav, H &Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub.House, Delhi 284 p. 12. Mckinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p. 13. Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB) 14. Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB) 15. Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p 16. Rao M N. &Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p. 17. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut. 18. Survey of the Environment, The Hindu (M) 19. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science. 20. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R) 21. Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB) 22. Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p (M) Magazine (R) Reference (TB) Textbook
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 3rd Semester

MRS SD 3.1 Social theory and sociology of development

Course Code	MRS SD 3.1								
Course Title	Social theory and sociology of development								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to make the student inculcate of various social theories, theories of development, social development and approaches of development in Indian context.								
Course Objective	A sociological theory is supposition that intends to consider, analyze And/or explain objects of the social reality from a sociological perspective, drawing connections between individual concepts in order to organize and substantiate sociological knowledge.								
Course Outcomes	<p>CO1 : Explain students the insight of the Classical, Post modern , Structural Functionalism , Conflict and feminist social theories.</p> <p>CO2 : Explain students the insight of the Modernization theory, Dependency theory, World system theory and Theory of Globalization.</p> <p>CO3 : Explain students the insight of the Features of Social Development and Social Development in the UN's Agenda.</p> <p>CO4 : Explain students the insight of the The capitalist model of development, the socialist model of development and Gandhian model of development.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Sociology								
Course Content	<p>Unit:1. Social theories</p> <ul style="list-style-type: none"> - Classical social theory - Post modern social theory - Structural Functionalism theory - Conflict theory - Feminist theory <p>Unit:2. Theories of Development</p> <ul style="list-style-type: none"> - Modernization theory - Dependency theory - World system theory - Theory of Globalization <p>Unit: 3. Social Development</p> <ul style="list-style-type: none"> - Meaning, definition of social development - Features of Social Development - Social Development in the UN's Agenda 								

	<ul style="list-style-type: none"> - Social Development in India - Factors facilitating social development - Factors Hindering social development <p>Unit:4. Approaches of Development</p> <ul style="list-style-type: none"> - An Introduction of Approaches of Development - The capitalist model of development - The socialist model of development - Gandhian model of development
Reference Books	<p>Reference : -</p> <p>Berger, Peter L. and Thomas Luckmann. The Social Construction of Reality: A Treatise in the Sociology of Knowledge. New York: Anchor Books. ISBN: 978-0-385-05898-8.</p> <p>Collins, Patricia Hill. Black Sexual Politics: African Americans, Gender, and the New Racism. New York: Routledge. ISBN: 978-0415951500.</p> <p>Durkheim, Emile. Suicide: A Study in Sociology. Edited with an introduction by George Simpson. Translated by John A. Spaulding & George Simpson. New York: The Free Press. ISBN: 978-0684836324.</p> <p>Dubois, W.E.B. 1899. The Philadelphia Negro.</p> <p>DuBois, W.E.B., The Souls of Black Folk</p> <p>Durkheim, Emile. 1912. The Elementary Forms of Religious Life.</p> <p>Foucault, Michel. 1990 [1978]. The History of Sexuality, An Introduction. New York: Vintage Books.</p> <p>Foucault, Michel. Discipline and Punish: The Birth of the Prison. Translated by Alan Sheridan. New York: Vintage Books. ISBN: 978-0679752554.</p> <p>Goffman, Erving. The Presentation of Self in Everyday Life. New York: Anchor Books. ISBN: 978-0385094023.</p> <p>hooks, bell. 1981. Ain't I a Woman?: Black Women and Feminism. ISBN 0-89608-129-X</p> <p>Mead, George Herbert. 1934. Mind, Self, and Society. University of Chicago Press.</p> <p>Mills, C. Wright. The Power Elite.</p> <p>Omi, Michael and Howard Winant. 1994. Racial Formation in the United States: From the 1960's to the 1990's. New York: Routledge.</p> <p>Reyes, Giovanni E., FOUR MAIN THEORIES OF DEVELOPMENT: MODERNIZATION, DEPENDENCY, WORD-SYSTEM, AND GLOBALIZATION University of Pittsburgh, USA. theory and social dev..pdf</p> <p>Smith, Dorothy. 1987. The Everyday World as Problematic. Boston: Northeastern University.</p> <p>Smith, Dorothy. 1990. The Conceptual Practices of Power. Sociology of Development, SD - social development and theories.pdf</p> <p>Warner, Michael. 1999. The Trouble with Normal: Sex, Politics and the Ethics of Queer Life. New York: Free Press.</p> <p>Weber, Max. The Protestant Ethic and the Spirit of Capitalism. Translated by Talcott Parsons. Introduction by Anthony Giddens. New York: Routledge. ISBN: 978- 0415084345.</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 3rd Semester

MRS SD 3.2 Social responsibility and Sustainable development

Course Code	MRS SD 3.2								
Course Title	Social responsibility and Sustainable development								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to make the student inculcate of concept of social responsibility and corporate social responsibility too.the students also make to insight about how The collaboration of companies and NGOs with the community has initiated a new paradigm of change in the country.								
Course Objective	This course will familiarize the students with the concept of social responsibility and corporate social responsibility too. The evolution of CSR has far reaching consequences on the development sector in India. The collaboration of companies and NGOs with the community has initiated a new paradigm of change in the country. The paper will discuss a few prominent case studies of CSR.								
Course Outcomes	<p>CO1 : Explain students the insight of the Advantages of social responsibility and social responsibilities for different Interest groups.</p> <p>CO2 : Explain students the insight of the Components of CSR, Key drivers, History and Evolution of CSR in the Indian and international context. The students also make understand about CSR policies and Governance, Laws and Regulations.</p> <p>CO3 : Explain students the insight of the Stakeholder engagement in Social Responsibility and Role of NGOs in developing CSR activities.</p> <p>CO4: Explain students the insight of the Corporate Social Responsibility and sustainable development.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Sociology								
Course Content	<p>Unit:1. Social Responsibility</p> <ul style="list-style-type: none"> - Concept and meaning of social responsibility - Advantages of social responsibility - Types of social responsibility - Opinions in favour of social responsibility - social responsibilities for different Interest groups <p>Unit: 2. corporate social responsibility</p> <ul style="list-style-type: none"> - Defining CSR - Components of CSR - Key drivers, History and Evolution of CSR in the Indian and international context - CSR policies and Governance, Laws and Regulations <p>Unit:3. Stakeholder engagement in Social Responsibility</p> <ul style="list-style-type: none"> - Role of NGOs in developing CSR 								

	<ul style="list-style-type: none"> - interaction in a multi-stakeholder context - Community involvement, investment and evaluation - Human Resource management – labor security and human rights. <p>Unit; 4. Corporate Social Responsibility and sustainable development</p> <ul style="list-style-type: none"> - CSR solutions to poverty - creating livelihoods through skilling persons in the community - Health care under CSR - Creating health care infrastructure - Sustainable sanitation solutions - Delivering better education through CSR partnerships - Case studies from different companies.
Reference Books	<ol style="list-style-type: none"> 1. Agarwal, S. (2008). Corporate social responsibility in India. Los Angeles: Response. 2. Baxi, C. (2005). Corporate social responsibility: Concepts and cases : The Indian experience. New Delhi, India: Excel Books. 3. Bhattacharya, D. Corporate social development: A Paradigm shift. New Delhi: Concept publishing company 4. Crane, A. (2008). Corporate social responsibility: Readings and cases in a global context. London: Routledge. 5. Visser, W. (2011). The age of responsibility CSR 2.0 and the new DNA of business. Chichester, West Sussex: John Wiley & Sons. 6. Visser, W. (2007). The A to Z of corporate social responsibility a complete reference guide to concepts, codes and organisations. Chichester, England: John Wiley & Sons. 7. Werther, W., & Chandler, D. (2006). Strategic corporate social responsibility: Stakeholders in a global environment. Thousand Oaks: SAGE Publications 8. Sustainable development, SD - social development and theories.pdf 9. https://byjus.com/commerce/what-is-social-responsibility/
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 3rd Semester

MRS SD 3.3 Indian Rural Economy

Course Code	MRSSD : 3.3								
Course Title	Indian Rural Economy								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to create awareness among the students regarding the rural economy of India and factors affecting it.								
Course Objective	This paper is prepared with the objective to create awareness among the students regarding the rural economy of India and factors affecting it. It also provides insight on the role of agriculture and animal husbandry in rural economy. It also deals with new avenues to reduce unemployment and poverty from the rural India.								
Course Outcomes	<p>CO1 : Explain students the insight of the rural economy and the role played by agriculture and animal husbandry in rural economy.</p> <p>CO2 : Make students aware about the basic of Agricultural productivity, causes of low agricultural productivity, measures taken to improve productivity. It will also make students familiar with Agricultural marketing.</p> <p>CO3 : Make students aware about the basic concept of poverty and unemployment. Causes and extent of rural poverty and unemployment. It will also make students familiar with the various rural development program including MGNREGA for reducing the rural poverty and unemployment</p> <p>CO4 : To make students aware about the agro-based industries and cottage industries. It will also make students familiar with the various sources of rural finance, problems of rural indebtedness and its relief measures and Soils erosion</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Economy and various aspect related with rural economy								
Course Content	<p>Unit-I Rural Economy of India</p> <ul style="list-style-type: none"> • Characteristics of rural economy • Role and importance of agriculture and animal husbandry in rural economy <p>Unit-II Agricultural productivity and marketing</p> <ul style="list-style-type: none"> • Farm size, land utilization and cropping pattern, causes of low agricultural productivity, measures taken to improve productivity. • Importance, merits and demerits of present system of marketing agricultural produce. New policy for marketing of agricultural produce. • Role of irrigation facilities, transport and communication and electrification in increasing income of farmers. <p>Unit-III Rural poverty and unemployment</p>								

	<ul style="list-style-type: none"> • Causes and extent of rural poverty and unemployment, various rural development program including MGNREGA for reducing the rural poverty and unemployment <p>Unit-IV Rural Industrialization and finance</p> <ul style="list-style-type: none"> • Need, importance and problems of agro-based industries and cottage industries. • Need and sources of rural finance, problems of rural indebtedness and its relief measures • Soils erosion- its types, effects and methods of prevention. <p>Unit-V Practices / field visits</p> <ul style="list-style-type: none"> • Visit to selected villages and village institutions (bank, dairy, agriculture market, etc.) to understand various components of rural economy
Reference Books	<ol style="list-style-type: none"> 1. Tyagi B P Agricultural Economics and Rural Development. Jai Prakashan, Merrut. 2. Mamoria C B and Tripathi BB. Agricultural problems of India. Century Printers, Allahabad 3. Nanavati M B and Anjaria J J. The Indian Rural Problems. Vora and Co., Mumbai. 4. Misra S K and Puri V K. Indian Economy, Himalaya Publishing Co. 5. Dutt R and Sundharam K P M. Indian Economy. S. Chand and Company, New Delhi
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 3rd Semester
MRS SD 3.4 Co-operative Management

Course Code	MRSSD : 3.4								
Course Title	Co-operative Management								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to create awareness and understanding about the cooperation and its role in rural development in India and elsewhere in the World.								
Course Objective	This paper is prepared with the objective to create awareness among the students regarding the role of cooperatives in rural economy. It also deals with the formation, benefits and limitations of co operations.								
Course Outcomes	<p>CO1 : Explain students the insight of the cooperation and economic activities conducted through it.</p> <p>CO2 :The students understand the genesis and development of cooperation in Indian and elsewhere in the World.</p> <p>CO3 :Students learn about various forms of cooperation and management of cooperatives.</p> <p>CO4 :Students learn about the formation, working and benefits of cooperatives with the examples of large cooperatives like AMUL, NABARD etc.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Economy and various aspect related with rural economy								
Course Content	<p>Unit: 1. Content of co operation</p> <ul style="list-style-type: none"> - Meaning and characteristics of co operation - Modern principles of co operation - Values of co operation - Economic Activities and co operation(Capitalism, socialism and mixed co operation) <p>Unit:2. Emergence and development of co operative Activities</p> <ul style="list-style-type: none"> - Emergence and development of co operative Activity in the world(England, Germany, Denmark, Israel) - Emergence and development of co operative Activity in India - Emergence and development of co operative Activity in Gujarat <p>Unit:3. Forms of co operative Activity and management</p> <ul style="list-style-type: none"> - Introduction of Forms of various co operatives - Co operative farming society - Co operative Irrigation society - Primary milk producers Co operative - Primary agricultural credit Co operative society - Sugar producers Co operative - Management of Co operative societies <p>Unit: 4. Preliminary Introduction of co operative societies</p>								

	<ul style="list-style-type: none"> - NABARD - National Dairy Development Board (NDDB) - National Co operative Development Corporation - AMUL
Reference Books	<p>1. Gupta, K.B, Siddiqui, F and Alam, I(2011). Rural Management. Word Press, Lucknow.</p> <p>2. Nakkiran, S (2006). Cooperative Management-Principles and Techniques, Deep & Deep Publications Pvt. Ltd: New Delhi</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	<p>30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc.</p> <p>70% External based on semester end University examination</p>

MRS (SD) 3rd Semester

MRS SD – 3.5 Panchayati Raj and Rural Development

Course Code	MRS SD 3.5								
Course Title	Panchayati Raj and Rural Development								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to make the student inculcate of Historical perspective of Panchayat, Three tier Panchayati Raj System, planning and Decentralized Rural Planning System in India.								
Course Objective	The Students understand the role of gram panchayat in planning and become aware of self-governance,village development and Gandhiji's concept of village self-government. Despite this the student to study the structures for village planning and develops face to face understanding.								
Course Outcomes	<p>CO1 : Explain students the insight of the Evolution and development of Panchayati Raj in India as well as Gandhiji's concept of Gram Swaraj and panchayati raj</p> <p>CO2 : Explain students the insight of the three tier Panchayati Raj System,73rd Constitutional Amendment and Functions of Gram Panchayat. Moreover Gram Panchayat and E- Governance and good governance.</p> <p>CO3 : Explain students the insight of the Approaches of Rural Planning (Top to Down and Bottom to Up Approach), Types of Rural Planning including micro planning for rural development.</p> <p>CO4 : Explain students the insight of the Decentralized Rural Planning System and Need of Decentralized Rural Planning for Rural Development in India.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Sociology								
Course Content	<p>Unit: 1 Historical perspective of Panchayat Evolution and development of Panchayati Raj in India Gandhiji's concept of Gram Swaraj and panchayati raj Gujarat panchayati raj statute:1961 – A Review Concept and Structure of Three tier panchayati raj</p> <p>Unit: 2 Three tier Panchayati Raj System 73rd Constitutional Amendment Structure of Gram Sabha and Gram Panchayat Functions of Gram Panchayat Gram Panchayat and E- Governance (General Introduction)</p>								

	<p>Unit: 3 Rural Planning</p> <p>Meaning and characteristics of rural planning</p> <p>Approaches of Rural Planning (Top to Down and Bottom to Up Approach)</p> <p>Types of Rural Planning</p> <p>1. Centralized and decentralized planning 2. Strategic and Functional planning</p> <p>Meaning of Micro planning, form and characteristics (Regional /specific planning)</p> <p>Unit: 4 Decentralized Rural Planning System</p> <p>Concept of Decentralized Planning</p> <p>Need of Decentralized Rural Planning for Rural Development</p> <p>Process of Decentralized Rural Planning</p> <p>Understanding of authority and responsibility in relation to decentralized rural planning</p>
Reference Books	<ul style="list-style-type: none"> ▪ IGNOU Planning for Development 4-EEC-02 ▪ IGNOU Rural Development Management 2-RDD-3 ▪ IGNOU Rural Development Planning 1-MRD-103 ▪ IGNOU Planning, Policies & Programmes 5-MS-3 ▪ Rural Development Principals, Policies and Mangement 3rd Edition by Katarsing -Sage Texts ▪ Decentralized Multilevel Planning Principals and Practice, Asian & African Experiences ▪ - K.V. Sundaram, Concept Publishing Company, N.Delhi-110059 ▪ Rural Development Administration and Institutins, ERD-01, Rural Development – Indian Context, IGNOU, 2009. ▪ Shahu, Saket (2007), Management of NGOs, Print Media Publication, Jaipur. ▪ Goel, S.L., R. Kumar (2005), Administration and Management of NGOs Text and Case Studies, Deep & Deep Publication, New Delhi.
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 3rd Semester

MRS SD 3.6 Sustainable Crop Production and Organic Farming

Course Code	MRS SD 3.6								
Course Title	Sustainable Crop Production and Organic Farming								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	This course makes students familiar with sustainable agriculture and need for organic farming. Also they will learn about components of organic farming.								
Course Objective	Teach the students about cow based agriculture and its need.								
Course Outcomes	<p>CO.1 Students learn about need for sustainability in agriculture</p> <p>CO.2 Students will know about various types of seeds and the process of seed production with emphasis on local varieties</p> <p>CO3. Students get information on various crops grown in Gujarat and need for sustainability in these crop.</p> <p>CO4. The students learn about procedure and problems in organic farming and its prospectus in long run for conservation of soil and water and improvement in their livelihood.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit-I Need for sustainable crop production.</p> <ul style="list-style-type: none"> • Fundamental of crop production • Tillage – Importance & Types • Fertilizers & Manures • Role of water in development of plant. <p>Unit-II Seeds</p> <ul style="list-style-type: none"> • Importance, Types and Selection, Seed treatment, Seed Storage and Seed production. <p>Unit-III Crops of Gujarat</p> <ul style="list-style-type: none"> • Cereals - Wheat sorghum, paddy, Maize • Cash crops – sugar cane, cotton, groundnut, castor. • Vegetables – Potato, onion, Brinjal, cabbage, Leafy vegetables etc. • Legumes – moong, urid, pignon pea, chick peas <p>Unit-IV Organic Farming</p> <ul style="list-style-type: none"> • Concept and need of organic farming • Basic principles of organic farming • Role of earthworms and other organisms in organic farming • Compost, wormi compost & wormi wash. 								
Reference Books	1. Arpita Mukherjee, Souvik Dutta, Tanu M. Goyal (2017) Organic								

	<p>Farming in India Status, Issues and Way Forward. Academic Foundation, New Delhi.</p> <p>2. Palaniappan SP and Annadurai (2018) Organic Farming: Theory and Practice, Scientific Publishers, Jodhpur.</p> <p>3. Somsundaram E. and UdhayaNandhini (2017) Traditional Organic Farming Practices. New India Publishing Agency, New Delhi.</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 4th Semester

MRS SD 4.1 Animal Husbandly and Dairying

Course Code	MRS SD 4.1								
Course Title	Animal Husbandly and Dairying								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	This course help students understand the role of animal husbandry in rural livelihood and also in improving agricultural production.								
Course Objective	To make students familiar with various aspects of animal husbandry like breed, its improvement, feed, shelter and health.								
Course Outcomes	<p>CO 1: Students will be able to appreciate role of animal husbandry in rural India.</p> <p>CO 2: The role of animal breeding in animal husbandry and its methods will be learned.</p> <p>CO 3: Students will appreciate role of nutrition in milk production and animal health.</p> <p>CO4: Students will understand need of housing for better milk production</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit-I Importance of animal husbandly in rural India.</p> <ul style="list-style-type: none"> Different indigenous and exotic breeds and hybrid cow <p>Unit-II Animal Breeding</p> <ul style="list-style-type: none"> Its need various types of breeding methods, basic introduction of animal reproduction, Artificial insemination- history merits and demerits. <p>Unit-III Animal nutrition</p> <ul style="list-style-type: none"> Digestive system of ruminants Nutrients in animal feed – carbohydrates, protein, minerals, vitamins and water. Measuring food – Quantity and quality Forage crops <p>Unit-IV Animal housing & health</p> <ul style="list-style-type: none"> Importance of animal housing & management of common diseases- symptoms and their treatments. Vaccination Composition of milk & clean milk production Types of dairy <p>Unit-V Field Visits</p> <ul style="list-style-type: none"> Visit to dairy farm cattle breeding institute and dairy processing unit. 								

Reference Books	<ol style="list-style-type: none"> 1. ICAR (2010) Animal Husbandry, ICAR Publication, New Delhi. 2. EIRI Hand book of poultry farming and feed formulations. 3. PashuVyavastha: Arun D. Dave, UniverstiyGranthNirman Board, Ahmedabad 4. ShukalKrushanlal (2000) VyavaharuGopalan ;, University GranthNirman Board Ahmedabad 5. "Godarshan" A Monthly Gujarati Magazine, Dept. of A.H., Gujarat State, Gandhinagar 6. A Text Book of Animal Husbandry :G.C.Banerjee : Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi. 7. ICAR (2006) A Hand Book of Animal Husbandry. ICAR, New Delhi 8. Singh B D (2018) Principle and Methods of Plant - Breeding. Kalyani Publishers. 9. Chopra V L (2018) Plant Breeding.- Theory and Practice. Oxford and IBH Publishing Pvt. Ltd.
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 4th Semester

MRS SD 4.2 Soil Science and agriculture management

Course Code	MRS SD 4.2								
Course Title	Soil science and agriculture management								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to make student aware about the process of formation of soil, its role in agriculture and factors that affect soil qualities. Sustainable use of soil is the prime focus.								
Course Objective	To make students understand how long it take to form soil that can be used for agriculture. Also to make them aware about how to manage soil for its sustainable use.								
Course Outcomes	CO 1. The process of soil formation and types of soils. CO 2. Soil profiles and soil classification will be learned. CO 3. Students will learn about physical and chemical properties of soil. CO 4. The students will learn about management of soil for sustainable crop product. CO 5. Students will get practical training by visiting farmers field in selected villages.								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit-I Meaning and formation of soil</p> <ul style="list-style-type: none"> • What is soil? Factors affecting formation of soil. • Various types of rocks forming soil. • Minerals forming soil – meaning and properties of various minerals and properties of various minerals, classification of minerals, study of important minerals. <p>Unit-II Profile and Layers</p> <ul style="list-style-type: none"> • What is soil profile? • Ingredients of soil – Types, proportions and functions. • Classification of soil. <p>Unit-III Physical and chemical properties of soil.</p> <ul style="list-style-type: none"> • Texture, structure, colour, density, porosity, consistency, • Electric conductivity, plant nutrients, organic soil carbon, salinity, acidity <p>Unit-IV Management of soil</p> <ul style="list-style-type: none"> • Role of soil in sustainable agriculture • Need for soil management, management of waste, acidic, salinity, water logged soils. • Soils erosion- its types, effects and methods of prevention. 								

	Unit-V Practices / field visits <ul style="list-style-type: none"> • Soil and water sampling • Visit to soil testing laboratory • Demonstration of various types of soils
Reference Books	(1) Pandya H G. Mehta P M Hariya N H. JaminVigyan – Part 1 University GaanthNirman Board (2) AvaraniBabubhaiJaminvigyan and vyavastha. Anadaprakashan (3) SutharHasmukhJaminvigyan and vyavastha
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 4th Semester

MRS SD 4.3 Horticulture

Course Code	MRS SD 4.3								
Course Title	Horticulture								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	To introduce importance of horticulture and to make students ready for accepting it on sustainable basis. Students learn techniques of propagating horticulturally important crops of Gujarat.								
Course Objective	To impart knowledge of horticulture and its importance and make students learn the techniques of plant propagation and post-harvest technologies.								
Course Outcomes	<p>CO 1. Students are prepared to start their own nursery and plantation of horticulturally important crops if they have suitable land, water and agro-climatic conditions.</p> <p>CO 2: The students will learn methods of propagation of horticulture crops.</p> <p>CO 3: Value addition and treatments to the produce from horticulture will help students to adopt these process to increase profits.</p> <p>CO 4: Students will be exposed to horticulture crops taken in Gujarat so that can select one or few of such crops in their areas.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit-I Introduction of horticulture</p> <ul style="list-style-type: none"> • Primary requirement for cultivating horticulturally important crops- Weather, Water and soil. • Selection of site • Green manure and intercropping <p>Unit-II Methods of propagation</p> <ul style="list-style-type: none"> • Through seeds – merits demerits • Vegetative propagation – different methods • Tissue culture <p>Unit-III Treatment and value addition</p> <ul style="list-style-type: none"> • Horticulture crops and Bahar (Flowering) • Thinning, trimming and training • Value addition – jam, jelly, syrup, pickling & dehydration <p>Unit-IV Major horticulture crops of Gujarat</p> <ul style="list-style-type: none"> • Mango- sapota • Lemon- aonla • Banana - papaya 								

	<ul style="list-style-type: none"> • Pomegranate – coconut.
Reference Books	1. ICAR (2005) Handbook of Agriculture Indian Council of Agricultural Research, New Delhi.
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 4th Semester

MRS SD 4.4 Sustainable Energy Resources

Course Code	MRS SD 4.4								
Course Title	Sustainable Energy Resources								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	To make students aware of need of sustainable energy resources and various types of such resources.								
Course Objective	Creating awareness about climate change due to production of electricity using coal. The students will learn about various sources of alternative energy and how they are produced.								
Course Outcomes	CO 1. Students will learn scenario of renewable energy and need of sustainable energy resources. CO 2. Solar thermal energy and solar cells CO 3. Geothermal energy and its sources, harvesting of it. CO 4. Wind energy, places and mechanism of harvesting it. CO 5. Biomass, its availability and use of it as alternative energy								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	Unit I- Scenario of Renewable Energy (RE) Sources: Needs of sustainable energy, advantages and limitations of Renewable Energy, present energy scenario of conventional and RE sources, Various non-conventional energy resources- availability, classification, relative merits and demerits UNIT-II Solar Thermal Energy: Solar radiation, flat plate collectors and their materials, applications and performance, UNIT-III Geothermal Energy: Resources of geothermal energy, environmental considerations. UNIT-IV Wind Energy: Wind power and its sources, site selection, criterion, UNIT-V Bio-mass: Availability of bio-mass and its conversion theory. Bio-gas production and utilization. Wave and Tidal Wave, Waste Recycling Plants.								
Reference Books	1. Raja et al, "Introduction to Non-Conventional Energy Resources" Scitech Publications. 2. John Twideu and Tony Weir, "Renewal Energy Resources" BSP Publications, 2006. 3. M.V.R. Koteswara Rao, "Energy Resources: Conventional & Non-Conventional" BSP Publications,2006.								

	<p>4. D.S. Chauhan, "Non-conventional Energy Resources" New Age International.</p> <p>5. C.S. Solanki, "Renewal Energy Technologies: A Practical Guide for Beginners" PHI Learning.</p> <p>6. Peter Auer, "Advances in Energy System and Technology". Vol. 1 & II Edited by Academic Press.</p> <p>7. Godfrey Boyle, "Renewable Energy Power For A Sustainable Future", Oxford University Press.</p>
Teaching Methodology	Class room teaching , Discussion, field visits to selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 4th Semester

MRS SD 4.5 Information Technology in Rural Development

Course Code	MRS SD 4.5								
Course Title	Information Technology in Rural Development								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The course is introduced to provide primary information about the information technology and its role in rural development.								
Course Objective	To make students aware and ready for use of information technology for rural development.								
Course Outcomes	<p>CO 1. Students are introduced to information technology and its various components.</p> <p>CO 2. Students learn about different operating systems that drive computers and mobiles.</p> <p>CO 3. Awareness about networks and its securities is made.</p> <p>The students are expected to use various methods of information technologies for improvement in livelihood and take benefits of various programs of Government.</p>								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of agriculture								
Course Content	<p>Unit 1: Introduction</p> <p>Information technology – definition, concept, components, role,</p> <p>Computer- definition characteristics format limitations, generations, classification, uses, computer operation, system, computer system unit, number system, BOS, Input- keyboard pointing device, audiovisual device, card reader, text/code reading, sensor, control</p> <p>Output: soft and hard device, audio-visual, printing, plotter</p> <p>Memory: computer memory, ram, room, flash and cache memory buffer and port</p> <p>Storage: magnetic storage, nickel storage, solid state storage, back up Multimedia</p> <p>Unit 2: Software and operating system</p> <p>Types of software, system and application software, language software various operating systems and methods, work methods, classification, function, Module, interface, boot, mobile system, server system, DOS, UBANTU</p> <p>Concept of windows structure, you needs, main program, Office automation program, types of data, selection of data, data organization, types of database</p>								

	<p>Unit 3: network, Internet and security</p> <p>Data communication, types of transmission, signal transmission, transmission media, wireless network</p> <p>Concept of network, classification, married Sandy merits, types of LAN, E, Topology,</p> <p>Network devices: switch, repeater, bridge, router, gateway, modem, NIC</p> <p>OSI layer, network and data security, firewall</p> <p>Internet, connection, protocols, HTML, email, WWW, URL, IP address, domain, account</p> <p>Internet services, uses, development of Internet, issues with its use.</p> <p>Computer security-Ingredients, attack, security measures, types of viruses, hacking and hackers, software copyright.</p> <p>E-commerce, e-government and advancement</p> <p>Concept of e-commerce, types, usefulness, electronic data interchange and payment</p> <p>E-government, digital device, e-readiness, info-kiosk,</p> <p>E-governance in India, Digital Bharat, Digital Gujarat</p> <p>GSWAN network, e gram, SWAGAT, ATVT, OJAS, Schemes for ICT, Mobile apps</p> <p>System, MIS and Expert system</p>
Reference Books	<ol style="list-style-type: none"> 1. SaidhantikaneHetulakshi "Computer" by Dr. Satish Patel, Dr. Satish Patel Self Publication. 2. Computer Fundamentals by Dr. Satish Patel & Mr. Bhavin Patel, Dr. Satish Patel Self Publication. 3. Computer Network by Dr. Satish Patel, Dr. Satish Patel Self Publication, Gandhinagar 4. Comdex computer course 5. Information System by Dr. Satish Patel, Self Publication, Gandhinagar 6. E-commerce by Dr. Satish Patel, Self-Publication, Gandhinagar. 7. E-Government by Dr. Satish Patel, Self-Publication, Gandhinagar.
Teaching Methodology	Class room teaching , Discussion, practical training, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination

MRS (SD) 4th Semester

MRS SD 4.6 Rural Development Policies and Programmes

Course Code	MRS SD 4.6								
Course Title	Rural Development Policies and Programmes								
Credit	4								
Teaching per Week	4 Hrs								
Minimum weeks per Semester	15 (Including Class-work, examination, preparation, holidays etc.)								
Effective From	June 2021								
Purpose of Course	The purpose of the course is to make the student inculcate of policies of rural development, Rural Development Programmes in India since Independence Earlier Programmes and Current various Rural Development Programmes.								
Course Objective	To Familiarize students with the policies for rural development.To cultivate the student's understanding of the Rural Development Programmes in India since Independence Earlier Programmes and Current developmental efforts in india.								
Course Outcomes	CO1 : Explain students the insight of Policies of Rural Development CO2 : Explain students the insight of the Rural Development Programmes in India since Independence Earlier Programmes. CO3 : Explain students the insight of the Current various Rural Development Programmes implemented by government of India.								
Mapping between COs with PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1								
	CO2								
	CO3								
	CO4								
	CO5								
	CO6								
Pre-requisite	Basics of Economics								
Course Content	<p>Unit I: Policies for Rural Development</p> <ul style="list-style-type: none"> - Land Policy; Technology Policy - Agricultural Policy - Employment Policy - Education and Extension Policy - Rural Institutions Policy; Price Policy <p>Unit II: Rural Development Programmes in India since Independence Earlier Programmes</p> <ul style="list-style-type: none"> - Area Development Programmes - Target-Group Oriented Programmes - Wage Employment Programmes - Self Employment Programmes - Welfare Programmes - Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) - Swarnajayanthi Gram Swarojgar Yojana (SGSY) 								

	<ul style="list-style-type: none"> - National Social Assistant Programmes (NSAP) <p>Unit III: Current Rural Development Programmes</p> <ul style="list-style-type: none"> - National Rural Livelihood Mission - Pradhan Mantri Gramin Awaas Yojana - Pradhan Mantri Gram Sadak Yojana (PMGSY) - DAY-NRLM; DDU-GKY - Sanasad Aadarsh Gram Yojana (SAGY) - Prime minister Rural Development Fellows Scheme - Sampurna Grameen Rozgar Yojana (SGRY) - Swachh Bharat Abhiyan (SBA) or Swachh Bharat Mission (SBM) - Shyama Prasad Mukherji Rurban Mission (SPMRM)
Reference Books	<p>B. K. Prasad, 2003, Rural Development: Concept, Approach and Strategy Sarup & Sons.</p> <p>Bibhuti Bhushan Malik, 2009, Poverty in India: Fundamental Issues: a Social Science Perspective, Mittal Publications.</p> <p>Bikramaditya Singh, 1992, Planning for Rural Development and Poverty Alleviation, Mittal Publications.</p> <p>Desai, Vasant, 1991, Fundamentals of Rural Development, New Delhi: Rawat Publications.</p> <p>G. N. Karalay, 2005, Integrated Approach to Rural Development: Policies, Programmes and Strategies, Concept Publishing Company.</p> <p>Gogula Parthasarathy, 2003, Economic Reforms and Rural Development in India, Academic Foundation.</p>
Teaching Methodology	Class room teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	30% Internal assessment based on class attendance, participation, class test, quiz, assignment, seminar, internal examination, etc. 70% External based on semester end University examination



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VEER NARMAD SOUTH GUJARAT UNIVERSITY
University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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ક્રમાંક:એકે/પરિપત્ર/૯૬૯૮/૨૦૨૧

તા.૦૮/૦૭/૨૦૨૧

પ્રતિ,
ડૉ. વિપુલ સોમાણી,
પ્રોફેસર એન્ડ હેડ,
ડીપાર્ટમેન્ટ ઓફ રૂરલ સ્ટડીઝ,
મહાત્મા ગાંધી ગ્રામઅભ્યાસ બિલ્ડીંગ,
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી,
સુરત.

વિષય :- M.R.S.(SD) ના સેમેસ્ટર-૧ અને ૨ ના વિવિધ વિષયનો અભ્યાસક્રમ બાબત.

સુજ્ઞી,

સવિનય જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૧-૨૨ થી અમલમાં આવનાર મહાત્મા ગાંધી ગ્રામ અભ્યાસ વિભાગના તા. ૦૨/૦૭/૨૦૨૧ ના પત્રમાં જણાવ્યા મુજબ ગત વર્ષ MRS (SD) Sem-I અને Sem-II માં નીચે દર્શાવેલ સેમેસ્ટર-૧ અને સેમેસ્ટર-૨ ના પેપર્સમાં બદલાવ જરૂરી હોય તે બદલાવ કરીને સુધારેલ પેપર્સ વિષયના શિક્ષકો પાસે તૈયાર કરાવેલ જે સુધારેલ પેપર્સ બોર્ડ વતી બોર્ડના ચેરમેન તેમજ રૂરલ સ્ટડીઝ ફેકલ્ટીની મંજૂરીની અપેક્ષાએ રૂરલ સ્ટડીઝ ફેકલ્ટીનાં ડીનશ્રીએ મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ એકેડેમિક કાઉન્સિલે તેની તા. ૦૫/૦૭/૨૦૨૧ ની સભાનાં ઠરાવ ક્રમાંક: ૧૨ અન્વયે મંજૂર કરેલ છે. તેની જાણ સંબંધકર્તા શિક્ષકો અને વિદ્યાર્થીઓને કરવી, તદ્ઉપરાંત તેનો અમલ કરવો.

Sr. No	Paper Code	Subject Name
Semester - I		
1.	MRSSD - 1.2	General Sociology
2.	MRSSD - 1.3	General Principal of Ecology and Environment
3.	MRSSD - 1.5	Developmental Writing, reading, and public speaking
Semester - II		
1	MRSSD - 2.2	Sociology of Development
2.	MRSSD - 2.4	Composition and interpersonal communication
3.	MRSSD - 2.6	General Principles of Ecology and Environment

એકેડેમિક કાઉન્સિલની તા.૦૫/૦૭/૨૦૨૧ ની સભાનાં ઠરાવ ક્રમાંક: ૧૨

:: આથી ઠરાવવામાં આવે છે કે, MRS (SD) Sem-I અને Sem-II ના ઉપરોક્ત અભ્યાસક્રમ બોર્ડવતી બોર્ડના ચેરમેન તેમજ રૂરલ સ્ટડીઝ ફેકલ્ટીની મંજૂરીની અપેક્ષાએ રૂરલ સ્ટડીઝ ફેકલ્ટીના ડીનશ્રીએ મંજૂર કરેલ હોય તે મંજૂર કરવામાં આવે છે.

બિડાણ: ઉપર મુજબ

ઈ.ચા.કુલસચિવ

પ્રતિ,

ડી.સી. ગ્રામઅભ્યાસ વિદ્યાશાળા,
પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.



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યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

No. AK/Paripatra/9669/2021

Date: 08/07/2021

To,

Dr. Vipul Somani,
Professor and Head,
Department of Rural Studies,
Mahatma Gandhi Rural Studies Building
Veer Narmad South Gujarat University,
Surat

Subject: Syllabus of various subjects of MRS (SD) Semester 1 and 2
regarding

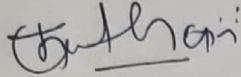
Sir,

Respectfully it is submitted that with reference to the letter from Mahatma Gandhi Department of Rural Studies that during teaching various subjects last year it was felt that there is a need to revise certain subjects at MRS (SD) Semester 1 and 2. Necessary changes were suggested by teacher concerned and were incorporated in the existing syllabi and was approved by the Chairman of Board of Studies in Rural Studies on behalf of the board and by the Dean Faculty of Rural Studies on behalf of the Faculty in anticipation of approval with recommendation to Academic Council. The Academic Council accepted the recommendations in its meeting held on 05/07/2021 wide resolution no. 12. This may be informed to concerned teachers and students and be implemented.

Sr. No.	Paper Code	Subject name
Semester I		
1	MRSSD-1.2	General Sociology
2	MRSSD-1.3	General Principles of Ecology and Environment
3	MRSSD-1.5	Developmental writing, reading and public speaking
Semester II		
1	MRSSD-2.2	Sociology of Development
2	MRSSD-2.4	Composition and interpersonal communication
3	MRSSD-2.6	General Principles of Ecology and Environment

Resolution no. 12 of Academic Council meeting held during 05th July 2021

It is hereby resolved that the above mentioned syllabus of MRS (SD) Sem-I and Sem-II has been approved by the Chairman of Board of Studies in Rural Studies and Dean of the Faculty of Rural Studies in anticipation of Board and Faculty respectively, the academic council approves it.



Translated from Gujarati

Enclosures: As above

I/C Registrar

Veer Narmad South Gujarat University

Copy to: ^{SURAT.}

1. Dean, Faculty of Rural Studies
2. Controller of Examination, Examination Section, Veer Narmad South Gujarat University.

Sd-
In-charge Registrar



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University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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ક્રમાંક:એકે/પરિપત્ર/૯૨૬૯/૨૦૨૧

તા.૦૧/૦૭/૨૦૨૧

પ્રતિ,
ડૉ. વિપુલ સોમાણી,
પ્રોફેસર એન્ડ હેડ,
ડીપાર્ટમેન્ટ ઓફ ગ્રુલ સ્ટડીઝ,
મહાતમા ગાંધી ગ્રામઅભ્યાસ બિલ્ડીંગ,
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી,
સુરત.

વિષય :- M.R.S.(SD) ના સેમેસ્ટર-૩ અને ૪ ના વિવિધ વિષયનો અભ્યાસક્રમ બાબત.

સુજ્ઞા શ્રી,

સવિનય જણાવવાનું કે, ગ્રામ અભ્યાસ વિષયના બોર્ડ દ્વારા નિમાયેલ પેટાસમિતિઓએ તૈયાર કરેલ M.R.S. (SD) ના સેમેસ્ટર-૩ અને ૪ ના વિવિધ વિષયનો અભ્યાસક્રમ ગ્રામઅભ્યાસ વિષયની અભ્યાસસમિતિ તથા ગ્રામ અભ્યાસ વિદ્યાશાખાની સંયુક્ત સભાની તા. ૧૮-૦૩-૨૦૨૧નાં ઠરાવ ક્રમાંક: ૨ અન્વયે નીચે મુજબ બી.યુ.ટી. ને ભલામણ કરેલ, જે અંગે અનુસ્નાતક શિક્ષણ મંડળ (બી.યુ.ટી) એ તેની તા. ૧૦/૦૬/૨૦૨૧ ની સભાના ઠરાવ ક્રમાંક : ૯ અન્વયે કરેલી નીચેની ભલામણ એકેડેમિક કાઉન્સિલની તા.૨૫-૨૬/૦૬/૨૦૨૧ની સભાનાં ઠરાવ ક્રમાંક: ૦૩ અન્વયે મંજૂર કરેલ છે. તેની જાણ સંબંધકર્તા શિક્ષકો અને વિદ્યાર્થીઓને કરવી, તદ્દુપરાંત તેનો અમલ કરવો.

ગ્રામઅભ્યાસ વિષયની અભ્યાસસમિતિ તથા ગ્રામઅભ્યાસ વિદ્યાશાખાની સંયુક્ત સભાની

તા. ૧૮-૦૩-૨૦૨૧નાં ઠરાવ ક્રમાંક: ૨

:: આથી ઠરાવવામાં આવે છે કે, M.R.S.(SD) સેમેસ્ટર-૩ અને સેમેસ્ટર-૪ નું નવું માળખું અને વિવિધવિષયોના અભ્યાસક્રમો મંજૂર કરવામાં આવ્યા અને તે મંજૂર કરવા બી.યુ.ટી. ને ભલામણ કરવામાં આવે છે.

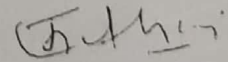
અનુસ્નાતક શિક્ષણ મંડળ તા. ૧૦-૬-૨૦૨૧ ઠરાવ ક્રમાંક (૯)

:: આથી ઠરાવવામાં આવે છે કે, ગ્રામ અભ્યાસ વિષયની અભ્યાસ સમિતિ તથા ગ્રામ અભ્યાસ વિદ્યાશાખાની સંયુક્ત સભાની તા. ૧૮-૩-૨૦૨૧ના ઠરાવ ક્રમાંક:(૨) થી કરેલ ભલામણ મંજૂર કરી એકેડેમિક કાઉન્સિલને ભલામણ કરવામાં આવે છે

એકેડેમિક કાઉન્સિલની તા.૨૫-૨૬/૦૬/૨૦૨૧ની સભાનાં ઠરાવ ક્રમાંક: ૦૩

:: આથી ઠરાવવામાં આવે છે કે, ગ્રામઅભ્યાસ વિષયની અભ્યાસસમિતિ તથા ગ્રામઅભ્યાસ વિદ્યાશાખાની સંયુક્ત સભાની તા. ૧૮/૦૩/૨૦૨૧ ની સભાની ભલામણ ક્રમાંક : ૨ અને અનુસ્નાતક શિક્ષણ મંડળની તા. ૧૦/૦૬/૨૦૨૧ ની સભાની ભલામણ ક્રમાંક : ૯ અન્વયે સ્વીકારેલ શૈક્ષણિક વર્ષ ૨૦૨૧-૨૨ થી અમલમાં આવનાર M.R.S.(SD) સેમેસ્ટર-૩ અને સેમેસ્ટર-૪ નું નવું માળખું અને વિવિધ વિષયોના અભ્યાસક્રમો મંજૂર કરવામાં આવે છે.

બિડાણ: ઉપર મુજબ


ઈ.ચા.કુલસચિવ

પ્રતિ,

બી.આર.એસ.નો અભ્યાસક્રમ ચલાવતી સંલગ્ન કોલેજોના આચાર્યશ્રીઓ.
ડીનશ્રી, ગ્રામઅભ્યાસ વિદ્યાશાખા,
પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.



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VEER NARMAD SOUTH GUJARAT UNIVERSITY

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વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

No. AK/Paripatra/9269/2021

Date: 01/07/2021

To,

Dr. Vipul Somani,
Professor and Head,
Department of Rural Studies,
Mahatma Gandhi Rural Studies Building
Veer Narmad South Gujarat University,
Surat

Subject: Syllabus of various subjects of MRS (SD) Semester 3 and 4
regarding

Sir,

Respectfully it is submitted that various sub-committees appointed by the Board of Studies in Rural Studies has prepared syllabus for various subjects in MRS (SD) Semester 3 and 4 has been approved by the Board of Studies in Rural Studies and the Faculty of Rural Studies at their joint meeting held on 18th March 2021 wide resolution no.2 and was recommended to B U T (Board of University Teaching and Research). The BUT in its meeting dated 10th June 2021 has recommended the matter wide resolution no 9 to Academic Council which has granted the recommendation in its meeting held on 25/26- 06-2021 wide resolution no. 3. This may be informed to concerned teachers and students and be implemented.

Resolution No.2 of joint meeting of Board of Studies in Rural Studies and Faculty of Rural Studies held on 18th March 2021

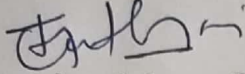
It is hereby resolved that the structure and syllabus of various subjects in MRS (SD) Semester 3 and 4 is approved and it is further resolved to recommend it to put before Board of University Teaching (BUT) for its approval.

Resolution 9 of Board of University Teaching held on 10th June 2021

It is hereby resolved that the recommendation made at the joint meeting of Board of Rural Studies and Faculty of Rural Studies held on 18th March 2021 wideresolution no. 2 is approved and recommended to Academic Council for its approval.

Resolution no. 3 of Academic Council meeting held during 25/26th June 2021

It is hereby resolved that the recommendation of joint meeting of Board of Studies in Rural Studies and the Faculty of Rural Studies held on 18th March 2021 wide its resolution no. 2 and the recommendation of Board of University Teaching (BUT) in its meeting held on 10th June 2021 to approve the structure and syllabus of various subjects of MRS (SD) and its implementation from Academic Year 2021-22 wide its resolution no. 9 is approved.



Translated from Gujarati

Enclosures: As above

I/C Registrar

Veer Narmad South Gujarat University

Copy to: **SURAT.**

1. Principals of Colleges offering BRS programme
2. Dean, Faculty of Rural Studies
3. Controller of Examination, Examination Section, Veer Narmad South Gujarat University.

Sd-

In-charge Registrar