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

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ક્રમાંક:ઓથો./MRS/પરિપત્ર/૧૨૯૯૨/૨૦૨૬
તા.૧૫/૦૬/૨૦૨૬

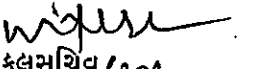
પ્રતિ,
વડાશ્રી,
ડિપાર્ટમેન્ટ ઓફ રૂરલ સ્ટડીઝ,
મહાત્મા ગાંધી ગ્રામઅભ્યાસ બિલ્ડીંગ,
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી,
સુરત.

વિષય:- NEP-2020 અંતર્ગત MRS સેમેસ્ટર-૧ અને ૨ નું માળખું અને અભ્યાસક્રમ અંગે.

સુશશ્રી,

સવિનય જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૬-૨૭ થી અમલમાં આવનાર NEP-2020 અંતર્ગત અનુસ્નાતક કક્ષાના MRS સેમેસ્ટર-૧ અને ૨ નું માળખું અને અભ્યાસક્રમ અંગે ગ્રામ અભ્યાસ વિષયની અભ્યાસ સમિતિની તા.૦૮/૦૨/૨૦૨૬ની સભાનાં ઠરાવ ક્રમાંક: ૦૨ અન્વયે નિમેલ પેટાસમિતિ દ્વારા તૈયાર કરેલ માળખું અને અભ્યાસક્રમને ગ્રામ અભ્યાસ વિષયની અભ્યાસ સમિતિ વર્તી અભ્યાસ સમિતિનાં ચેરપર્સનશ્રીએ મંજૂર કરી અને ગ્રામ અભ્યાસ વિદ્યાશાખા વતી વિદ્યાશાખાનાં અધ્યક્ષશ્રીએ વિદ્યાશાખા વતી મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ સ્વીકારી એકેડેમિક કાઉન્સિલની તા.૦૬/૦૬/૨૦૨૬ ની સભાનાં ઠરાવ ક્રમાંક : ૪૨ થી સુધારા વધારા સાથે મંજૂર કરેલ છે. જેનો અમલ કરવા આથી જાણ કરવામાં આવે છે.

બિડાણ: ઉપર મુજબ


કુલસચિવ

પ્રતિ,

૧) ડીનશ્રી, ગ્રામ અભ્યાસ વિદ્યાશાખા.

૨) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.

.....તરફ જાણ તેમજ અમલ સારું.

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrf Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester) (Course work only) Structure of Program First Year: MRS (Semester: I)

Faculty of Rural Studies - Master of Rural Studies

Course Category	Course Code	Course Title	Marksheet Title in English	Level of Course	Teaching Hours/Week		Exam Duration		Credit		Internal Marks		External Marks		Total Marks	
					TH	PR	TH	PR	TH	PR	TH	PR	TH	PR	TH	PR
MAJOR:1	MRS-MJ:1001	Rural Social Structure and Transformation	Rural Social Structure and Transformation	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:2	MRS-MJ:1002	Extension Education for rural Development	Extension Education for rural Development	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:3	MRS-MJ:1003	Rural Economic Environment	Rural Economic Environment	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:4	MRS-MJ:1004	Agriculture and Allied Technologies	Agriculture and Allied Technologies	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:5	MRS-MJ:1005	Climate Change and Rural Society	Climate Change and Rural Society	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
SEC:1	MRS - SEC: 1001	Participatory Rural Appraisal -I	Participatory Rural Appraisal -I	500-599	2	-	1Hr	-	2	-	25	-	25	-	50	-
Total Credits:									22						550	

Veer Narmad south Gujarat University, Surat
Structure NCrF Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester) (Course work only) Structure of Program First Year: MRS (Semester: II)

Course Category	Course Code	Course Title	Marksheet Title in English	Level of Course	Teaching Hours/Week		Exam Duration		Credit		Internal Marks		External Marks		Total Marks	
					TH	PR	TH	PR	TH	PR	TH	PR	TH	PR	TH	PR
MAJOR:1	MRS-MJ:2001	Rural Social Structure and Transformation	Rural Social Structure and Transformation	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:2	MRS-MJ:2002	Extension Education for rural Development	Extension Education for rural Development	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:3	MRS-MJ:2003	Rural Economic Environment	Rural Economic Environment	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:4	MRS-MJ:2004	Agriculture and Allied Technologies	Agriculture and Allied Technologies	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:5	MRS-MJ:2005	Climate Change and Rural Society	Climate Change and Rural Society	500-599	4	-	2Hrs	-	4	-	50	-	50	-	100	-
SEC:1	MRS-SEC: 2001	Computer Application in Rural Studies	Computer Application in Rural Studies	500-599	2	-	1Hr	-	2	-	25	-	25	-	50	-
Total Credits:									22						550	

MRS Semester-I

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrf Credit level 6
Post Graduate Program after 3-year UG (Two Year/ 4 Semester)
(Course work only)
First Year (Semester: I)

Semester-I

Course Code	Major Course	Credit	Course Code	SEC	Credit	Total Credits Per Semester
MRS-MJ:1001	Rural Social Structure and Transformation	4	MRS-SEC: 1001	Participatory Rural Appraisal -I	2	
MRS-MJ:1002	Extension Education for rural Development	4				
MRS-MJ:1003	Rural Economic Environment	4				
MRS-MJ:1004	Agriculture and Allied Technologies	4				
MRS-MJ:1005	Climate Change and Rural Society	4				
SEM-I	4 x 5 course = 20 credit	20		2 x1 course = 2 credit	2	22

Sr. No.	Course Type	Course Code	Course	Credit	Evaluation Weightage				Weekly Teaching Hours	
					Internal	External		Total	The.	Pr.
						The.	Pr.			
1	Major – 1	MRS-MJ:1001	Rural Social Structure and Transformation	4	50	50	-	100	4	-
2	Major – 2	MRS-MJ:1002	Extension Education for rural Development	4	50	50	-	100	4	-
3	Major – 3	MRS-MJ:1003	Rural Economic Environment	4	50	50	-	100	4	-
4	Major-4	MRS-MJ:1004	Agriculture and Allied Technologies	4	50	50	-	100	4	-
5	Major-5	MRS-MJ:1005	Climate Change and Rural Society	4	50	50	-	100	4	-
6	SEC-1	MRS-SEC: 1001	Participatory Rural Appraisal -I	2	25	25	-	50	2	-
Total credit		22						550		

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies: SYLLABUS

MRS (Master of Rural Studies)

Structure NCrf Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester)

(Course work only)

Program Name	M.R.S. (Master of Rural Studies)					
Semester	I					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	MRS-MJ:1001					
Course Level	500-599					
Course Title	Rural Social Structure and Transformation					
Credit	Theory:	4	Practical:	0	Total:	4
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO1 : Explain students the insight of the Indian rural society and social structure through Subject matter of rural sociology and Importance of rural sociology in India. CO2 : Make students aware about the Nature and characteristics of rural society in India, Elements of rural community, Concept and characteristics of little community. It will also make students familiar with the Peasant Society and its Culture and characteristics as well as Caste and Caste Dominance In rural society. CO3 : To make students aware about Economic Life and problems as well as Agrarian Class structure in rural society. CO4: Make students aware about Factors of change in rural economic life through various measures taken by the government.					
Course Content	Unit:1. Introduction and Importance of Rural Sociology 1.1 Origin and development of rural sociology in India 1.2 Subject matter of rural sociology 1.3 Importance of rural sociology in India 1.4. AI and Rural Social Transformation (assignment based) Unit:2. Rural Society and nature 2.1 Nature and characteristics of rural society in India 2.2 Elements of rural community 2.3 Concept and characteristics of little community 2.4 Peasant Society: Culture and characteristics 2.5 Caste and Caste Dominance In rural society Unit:3. Economic Life of the Rural People 3.1 Meaning of Economic Life 3.2 Means and characteristics of Economic Life of the rural People					

	3.3 Village as a self-sufficient unit 3.4 Occupation and Agrarian Class structure in rural society 3.5 Jajmani system and Labour Market in rural society 3.6 Economic Problems of rural People 3.7 Factors of change in rural economic life Unit:4. Modalities of Socio - Cultural Transformation 4.1 Transformation of Societies 4.2 Strategies for Social and Cultural Transformation 4.3 Process of Social Change: Sanskritization, westernization, Industrialization and Urbanization as factor for social change 4.4 Features, Explanation, Factors and Processes of Change in Caste System 4.5 Migration and rural Transformation																																													
Mapping between Cos and PSOs	<table> <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> <tr> <td>CO1</td> <td>✓</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>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>CO3</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>CO4</td> <td></td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> </tr> </table>		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	CO1	✓	✓	✓	✓			✓		CO2	✓		✓	✓	✓	✓		✓	CO3	✓	✓	✓	✓		✓	✓		CO4		✓		✓	✓	✓		✓
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8																																						
CO1	✓	✓	✓	✓			✓																																							
CO2	✓		✓	✓	✓	✓		✓																																						
CO3	✓	✓	✓	✓		✓	✓																																							
CO4		✓		✓	✓	✓		✓																																						
Reference Books	1. Singer Milton, 1972, When a great Tradition Modernizes: An Anthropological Approach to Indian civilization, Vikas, New Delhi. 2. Singh Yogendra, 1972, Modernization of Indian Tradition, Thomson press, New Delhi. 3. Agarwal, J. 1983, Landmark in the History of Modern Indian Education, vikas, New Delhi. 4. Naik, J. P. 1982, The Education commission and after, Allied Publishers New Delhi. 5. Srinivas, M. N. 1967, Social Change in modern India, Orient Longman, New Delhi. 6. Bottomore, T. B. 1975, Sociology as social racism, George Allen and Unwin: London. 7. Srinivas, M. N. 1966, Social change in modern India, allied publishers: Bombay 8. Ajzen, I. 1987, "Attitude" in concise Encyclopedia of Psychology, (ed), J. Ramond Cossini, John wiley & sons: New York. 9. Goode and Hatt, 1952, Methods in social Research, McGraw Hill, New York. 10. Lindgren, C. Henry, 1969, Introduction to Social Psychology, John wiley & sons: New York. 11. Gupta Motilal (2003), Bharat me Samaj, Rajasthan Hindi granth Aakadami, Jaypur. 12. Mahajan Rajiv (2004), Rural Sociology, Arjun publishing House, new delhi.																																													
Teaching Methodology	Classroom teaching, Discussion, Self-Study, Seminars / Assignment																																													
Evaluation Method	Internal Assessment: 50 Marks 1. Written Test (30 Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (10 Marks) 4. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)																																													

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT Veer Narmad south Gujarat University, Surat Faculty of Rural Studies: SYLLABUS MRS (Master of Rural Studies) Structure NCrf Credit level 6 Post Graduate Program after 3-year UG (Two Year/ 4 Semester) (Course work only)						
Program Name	M.R.S.(Master of Rural Studies)					
Semester	I					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific / Vocational Education					
Course Code	MRS-MJ:1002					
Course Level	500-599					
Course Title	Extension Education for Rural Development					
Credit	Theory:	4	Practical:	-	Total:	4
Effective Form	Academic Year:2026-27					
Course Outcomes	CO1: Explain students the insight of the extension education and its historical and fundamental aspects. CO2: Train students to differentiate between adoption and diffusion process. CO3: Train students to use communication and strategies for rural development. CO4: Explain and train students to use suitable methods of extension and its Combinations for effective rural development.					
Course Content	Unit - 1: Concepts, Philosophy and Principles of Extension • Introduction • Meaning and Concept of Extension • Definitions of Extension • Philosophy of Extension • Principles of Extension • Objectives, Importance & Functions of Extension Unit - 2: Historical Development of Rural Extension in India • Pre-Independent Extension Efforts for Rural Development in India. • Post-Independent Organized/Government Efforts for Rural Development in India. • Broad Based Extension System Unit - 3: Adoption and Diffusion • Adoption Process • Categories of adopters • Individual characteristics of the adopters • Diffusion Process					

	Unit - 4: Communication Strategies for Rural Development • Communication Process, Models and Strategy • Individual, Group & Mass approaches in Extension Education • Selection, Planning & Use of different Extension Methods in Rural Development • Concept of I.C.T. & it's role in Rural Development • AI and Extension Education (assignment based)																																													
Mapping between COs and PSOs	<table><tr><td></td><td>PSO 1</td><td>PSO 2</td><td>PSO 3</td><td>PSO 4</td><td>PSO 5</td><td>PSO 6</td><td>PSO 7</td><td>PSO 8</td></tr><tr><td>CO1</td><td>✓</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>✓</td><td></td><td></td><td></td><td>✓</td><td>✓</td></tr><tr><td>CO3</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr><tr><td>CO4</td><td>✓</td><td></td><td></td><td>✓</td><td></td><td></td><td>✓</td><td>✓</td></tr></table>		PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	CO1	✓	✓	✓	✓	✓	✓	✓		CO2	✓		✓				✓	✓	CO3		✓	✓	✓	✓	✓			CO4	✓			✓			✓	✓
	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8																																						
CO1	✓	✓	✓	✓	✓	✓	✓																																							
CO2	✓		✓				✓	✓																																						
CO3		✓	✓	✓	✓	✓																																								
CO4	✓			✓			✓	✓																																						
Reference Books	1. Ishwarbhai Patel - Education of agri. Extension 2. Pro. Dhiraj Dhakan - Principle of agri. Extension 3. Sanders, H.C. (ed) (1966) , The Cooperative Extension Service, Prentice hall, Inc, Englewood, cliffs, New York USA 4. Dahama, O.P. and Bhatnagar, O.P. 1987 , Education and Communication for Development, Oxford and IBH Publishing Co. New Delhi. 5. Directorate of Extension, Govt. of India, 1961 , Extension Education in Community Development, DOE Ministry of food and Agriculture , GOI, New Delhi. 6. Roy G. L. (1991) , Extension Communication and Management, Naya Prokash, Calcutta. 7. Supe S.V. (1983) , An Introduction to Extension Education Oxford & IBH Publishing Co. New Delhi.																																													
Teaching Methodology	Class room teaching, Group Discussion, Practical Training, Self-Study, Seminars and/or Assignment																																													
Evaluation Method	Internal Assessment: 50 Marks 1. Written Test (30 Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (10 Marks) 4. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)																																													

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies: SYLLABUS

MRS (Master of Rural Studies)

Structure NCrf Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester)

(Course work only)

Program Name	M.R.S. (Master of Rural Studies)					
Semester	I					
NCrf Credit Level	6					
Course Type	Employability					
Course Subtype	Entrepreneurship / Employability					
Subject Type	Discipline Specific					
Course Code	MRS-MJ:1003					
Course Level	500-599					
Course Title	Rural Economic Environment					
Credit	Theory:	4	Practical:	0	Total:0	4
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO1 - Understand the concept, meaning, and structure of the rural economy in India, including the role of agriculture and rural industries; analyze the major problems and issues such as hunger, food security, and malnutrition; and evaluate the impact of economic reforms, globalization, WTO agreements, and MSP debates on the rural economy. CO2 - Comprehend the concepts, measures, determinants, and causes of rural poverty along with poverty alleviation programmes in India. CO3 - Identify the types, characteristics, and causes of rural unemployment and evaluate measures to reduce unemployment in rural areas. CO4 - Examine the concept, types, and characteristics of rural labour; assess the impact of economic liberalization on rural labour; and evaluate the major issues such as wage disparities, migration, occupational safety, and legal protection, including labour force participation and labour reforms in India.					
Course Content	Unit: - 1 Introduction - Concept, Meaning of Rural Economy - Rural Economy: Role of agriculture and industries in rural development - Problems/Issues of Rural Economy in India (Hunger, Food Security, malnutrition etc.) - Economic reforms and their impact on the rural economy, impact of globalization on agriculture and agribusiness - WTO Agreements and their impact on Indian Agriculture, MSP Debates - AI and Rural Economy(assignment based)					

	Unit : - 2 Rural Poverty - Concepts and Measures of rural poverty - Determinants of Poverty - Causes of Rural Poverty - Poverty alleviation programmes in India - Economic reforms and its contribution in rural Poverty Alleviation Unit : - 3 Rural Unemployment - Concept, Types and Characteristic and causes of Rural Unemployment - Economic Reforms and their impact on Rural Unemployment Situation - Measures to reduce unemployment in rural areas. - gig economy and platform work as an emerging form of rural employment Unit : - 4 Rural Labour - Concept, types and Characteristics of Rural Labour - Economic Liberalization and its impact on Rural Labour. - Various Issues Faced by Rural Labour: wage issues, migration, occupational safety, and legal protection - Labour Force Participation in Rural Economy, women's labour force participation rate in rural India - Labour codes: Code on Wages, Industrial Relations Code, Occupational Safety, Health and Working Conditions Code, Code on Social Security																																													
Mapping between Cos and PSOs	<table><tr><td></td><td>PSO1</td><td>PSO2</td><td>PSO3</td><td>PSO4</td><td>PSO5</td><td>PSO6</td><td>PSO7</td><td>PSO8</td></tr><tr><td>CO1</td><td>✓</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>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td>✓</td></tr><tr><td>CO3</td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr><tr><td>CO4</td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td><td></td><td></td><td>✓</td></tr></table>		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	CO1	✓	✓	✓	✓	✓		✓		CO2	✓	✓	✓	✓	✓	✓		✓	CO3	✓		✓	✓	✓	✓	✓		CO4	✓	✓		✓	✓			✓
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8																																						
CO1	✓	✓	✓	✓	✓		✓																																							
CO2	✓	✓	✓	✓	✓	✓		✓																																						
CO3	✓		✓	✓	✓	✓	✓																																							
CO4	✓	✓		✓	✓			✓																																						
Reference Books	1. Bardhan, P. (1984) “Land, Labour and Rural Poverty”, Oxford University Press, New Delhi. 2. Bhalla. G.S. (1994) “Economic Liberalization and Indian Agriculture” Institute for studies in Industrial Development, New Delhi. 3. Chaddha, G.K. and A.N.Sharma (1997), Growth, Employment and Poverty: Change and Continuity in Rural India” Vikas Publishing House, New Delhi. 4. Dantwala, M.L.et. al (1991), “Indian Agricultural Development Since Independence Oxford & IBH, New Delhi. 5. Gulati Ashok ; Kelly Tim (1999), “Trade Liberalization and Indian Agriculture”, Oxford University Press, New Delhi. 6. Joshi B.H. (1999), “Indian Agriculture development and Challenges”, University Granth Nirman Board, Ahmedabad. 7. Pandya Kiran, (1996), “Agrarian Structure, New Technology and labour in India”, Himalaya Publishing House, Mumbai. 8. Rao C.H. Hanumantha, (2005), “Agriculture, Food Security, Poverty and Environment: Essay on Post-reform India”, Oxford University Press, New Delhi. 9. S.S.Acharya & D.P.Choudhri:, (2001), “India Agriculture Policy at the Crossroads, Ed; Rawat Publication, Japur. 10. Vaidyananthan, A. (1985), The Indian Economy : Crisis, response and Prospect”, Orient Longmans, New Delhi. 11. Visaria, P. and R. Basant (1994) “Non-Agriculture employment in Indian: Trends and Prospects”, Sage Publication, New Delhi.																																													

	12. Bhalla G.S. Singh Gumail, (201), "Indian Agriculture: Four Decades of Development", Sage Publication, New Delhi. 13. Prasad C.S. (2006), "Sixty Years of Indian Agriculture: 1947 to 2007", New Century Publication, New Delhi. 14. Padmanabhan M. and Swaminathan M.C. (1994), Rural Development report: National Institute of Rural Development, Hyderabad. 15. Lipton Michael, (1989), "Poverty, Undernutrition, and Hunger. 16. Lipton Michael, (1988), "The Poor and The poorest World Bank Discussion Papers. 17. Planning Commission, (Dec.2006), "Report of the XI Plan Working Group on Poverty Elimination Programmes", New Delhi. 18. Renana Jhabvala, Ratna M. Sudarshan and Jeemol University. (2003)." Informal Economy & Food & Agriculture., New Delhi. 19. Dandekar V.M. & Rath Nilakantha. (1971), "Poverty in India" Indian School of Political Economy. 20. Shukla Rohit, "Poverty in India", University Granth Nirman Board, Ahmedabad, 21. Chakravarthy, Sukhamoy (1997) Development Planning : The Indian Experience. Oxford University Press : Oxford. 22. International Bank for Reconstruction and Development, 1989, World Development Report 1989, Oxford University Press:New York. 23. Kindleberger, Charles P. and Harrick, Bruce, 1977, <i>Economic Development</i>, Mc Grawhill. Kogakusha Ltd. : New Delhi. 24. Mishra, R.P.1985, Development Issues of Our Time, Concept Publishing Company: New Delhi. 25. Mier Gerald (Ed), 1987, Leading Issues in Economic Development, (Fourth Edition), Oxford University Press: New Delhi. 26. Todaro, Michael P. 1997, Economics for a Developing World: An Introduction to Principles, Problems and Policies for Development. Orient Longman : London. 27. Labour code bill - https://www.labour.gov.in/static/uploads/2025/07/e6e2df267f39a63f0061041ab0a07db4.pdf 28. Rural labour market - https://www.egyankosh.ac.in/bitstream/123456789/27387/1/Block-3.pdf 29. Singh, Ramesh. 2010, Indian Economy. McGraw Hill Education : New Delhi. 30. Kapila, Uma (Ed.). 2020, Indian Economy since Independence. Academic Foundation : New Delhi. 31. Misra, S. K. and Puri, V. K. 2019, Indian Economy. Himalaya Publishing House : Mumbai. 32. Das, Gurcharan. 2000, India Unbound: From Independence to the Global Information Age. Penguin Books India : New Delhi.
Teaching Methodology	Classroom teaching, Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	Internal Assessment: 50 Marks 1. Written Test (30 Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (10 Marks) 4. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies: SYLLABUS

MRS (Master of Rural Studies)

Structure NCrf Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester)

(Course work only)

Program Name	Master of Rural Studies (MRS)					
Semester	I					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Skill Development					
Subject Type	Intra-disciplinary / Emerging Technology					
Course Code	MRS-MJ:1004					
Course Level	500-599					
Course Title	Agriculture and Allied Technologies					
Credit	Theory:	4	Practical:	0	Total:	4
Effective Form	Academic Year:2026-27					
Course Outcomes	CO1 - Students will be able to analyze and apply scientific principles of soil management, water management, and climate-resilient agricultural practices for sustainable agricultural development. CO2 - Students will be able to critically examine horticultural practices, agricultural engineering techniques, integrated pest and disease management, and post-harvest technologies in contemporary agriculture. CO3 - Students will be able to assess the significance and application of biogas, solar, and wind energy resources in promoting sustainable rural and agricultural development. CO4 - Students will be able to evaluate the role of sanitation and hygiene in public health and analyse their correlation with malnutrition and rural development.					
Course Content	Unit - 1: Agricultural Technologies-1 • Soil Management, • Water Management, • Climate Resilient Agriculture Unit - 2: Agricultural Technologies-2 • Horticultural Practices, • Agricultural Engineering, • Pest and Disease Management (Integrated Pest Management), • Post-harvest Technologies. Unit - 3: Alternative energy resources • Bio-gas, • Solar and Wind Energy					

	Unit - 4: Sanitation and Hygiene • Need and correlation with malnutrition, • Low cost Technologies for sanitation in rural areas.																																													
Mapping between COs and PSOs	<table> <tr> <th></th> <th>PSO 1</th> <th>PSO 2</th> <th>PSO 3</th> <th>PSO 4</th> <th>PSO 5</th> <th>PSO 6</th> <th>PSO 7</th> <th>PSO 8</th> </tr> <tr> <td>CO1</td> <td>✓</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>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>CO3</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>CO4</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> </tr> </table>		PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	CO1	✓	✓		✓		✓	✓	✓	CO2		✓	✓	✓	✓	✓	✓	✓	CO3	✓	✓				✓			CO4	✓		✓	✓	✓		✓	✓
	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8																																						
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CO2		✓	✓	✓	✓	✓	✓	✓																																						
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Reference Books	1. ICAR (92004) Selected Technologies for Agriculture – A compendium. ICAR Publication, New Delhi. 2. Selendy J.M.H. (ed) (2011), Water and Sanitation Related Diseases and Environment, Wiely-Blackwell. 3. Smith Z.A. and A.D. Taylor, Renewable Energy Resources: Basic 16 Principles and Applications, Alpha Science International 4. Tiwari G. N. and M. K. Ghosai (2005), Renewable Energy resources: Basic Principles and Applications. Alpha Science International 5. Rathore NS and NI Panwar (2007), Renewable Energy Sources for Sustainable Development. New India Publishing Agency, New Delhi. 6. Satyanarayan G & H. S. Madhusudan (2012), Rural Development and Poverty Alleviation in India, New Century Publication, New Delhi 7. Shrivastava M.P. & Jaishankar Singh (2008), Dairy Development in the New Millennium Deep & Deep Pub. Pvt. Ltd.																																													
Teaching Methodology	Class room teaching, Group Discussion, Practical Training, Self-Study, Seminars and Assignment																																													
Evaluation Method	Internal Assessment: 50 Marks 1. Written Test (30 Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (10 Marks) 4. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)																																													

Subject Code [2609001201050001]

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies: SYLLABUS

MRS (Master of Rural Studies)

Structure NCrF Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester)

(Course work only)

Program Name	MRS (Master of Rural Studies)									
Semester	I									
NCrF Credit Level	6									
Course Type	Major									
Course Subtype	Employability									
Subject Type	Discipline Specific									
Course Code	MRS-MJ:1005									
Course Level	500-599									
Course Title	Climate change and Rural Society									
Credit	Theory:	4	Practical:	0	Total:	4				
Effective Form	Academic Year: 2026-27									
Course Outcomes	Students learn about the climate change and its impact on agriculture, social and economic relations and way out. Students will understand the impact of changing climatic conditions on human health, sources livelihood, migration etc. They will learn about the national and international efforts to mitigate and adopt and avert impacts of climate change.									
Course Content	Unit - 1 : Climate Change meaning and factors responsible for it. Global Warming and Climate Change, Indicators of climate change, impact of global warming, green house gases and emissions. International and national initiatives to limit global warming Unit - 2 : Climate change and agriculture and animal husbandry- impact, mitigation strategies and aversion at national and international level. Unit - 3 : Impact of change in climate on rural economy- farmers, food security, agro-based industries, rural poverty, health- working hours/day. Role and response of women to climate change Unit - 4 : Impact of climate change on rural society : Social behavior, habitation, Health, food habit, livelihood and migration at regional, national and international level. IA based Assignments									
Mapping between Cos and PSOs		PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO8	

	<table> <tr> <td>CO1</td> <td>✓</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>✓</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>CO3</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>CO4</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>CO5</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>CO6</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> </table>	CO1	✓	✓	✓	✓	✓	✓	✓	✓	CO2	✓	✓	✓		✓	✓	✓	✓	CO3	✓		✓	✓		✓		✓	CO4	✓	✓	✓		✓	✓	✓	✓	CO5	✓	✓	✓	✓	✓	✓	✓		CO6	✓			✓	✓	✓	✓	
CO1	✓	✓	✓	✓	✓	✓	✓	✓																																															
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CO3	✓		✓	✓		✓		✓																																															
CO4	✓	✓	✓		✓	✓	✓	✓																																															
CO5	✓	✓	✓	✓	✓	✓	✓																																																
CO6	✓			✓	✓	✓	✓																																																
Reference Books	1. Purdom & Anderson (1983) Environmental Science Bell & Howell 2. Shivakumar A K, P. Panda & R. R. Ved (eds) (2010) Hand Book of Population & Development, Oxford 3. Ehrlich P R, A.H.Ehrlich and H.P.Holdgen (1977) Ecoscience : Population, Resources, Environment, W.H.freeman & Co Sanfransico 4. Subramanian V. (2002) textbook in Environmental Science, Narosa Publication, New Delhi. 5. Kadekodi G. K. (2004) Common Property Resource Management, Oxford University Press. 6. Vijay V K and H. P. Gard (eds) (2009) renewable energy & Environment for Sustainable Development, Narosa Publishing House, New Delhi. 7. UNDP (2007) Human Development Report 2007-08, Fighting Climate Change Human solidarity in a divided world. UNDP. 8. Chakrabarty PGD (ed) (2015) Climate Change and Sustainable Development Oxford University Press, (2011) The Economics of Climate Change Mitigation Book well, New Delhi.																																																						
Teaching Methodology	Class room teaching, Group Discussion, Practical Training, Self-Study, Seminars and Assignment																																																						
Evaluation Method	Internal Assessment: 50 Marks 1. Written Test (30 Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (10 Marks) 4. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)																																																						

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**Veer Narmad south Gujarat University, Surat****Faculty of Rural Studies: SYLLABUS****MRS (Master of Rural Studies)****Structure NCrf Credit level 6****Post Graduate Program after 3-year UG (Two Year/ 4 Semester)****(Course work only)**

Program Name	MRS (Master of Rural Studies)					
Semester	I					
NCrf Credit Level	6					
Course Type	SEC					
Course Subtype	Employability / Skill Development					
Subject Type	Discipline Specific					
Course Code	MRS-SEC:1001					
Course Level	500-599					
Course Title	Participatory Rural Appraisal – I					
Credit	Theory:	2	Practical:	0	Total:	2
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO1: This course is designed to enable students to Concept, Objective, Meaning and approaches of PRA technique. CO 2 : Make students aware about Evolution of Participatory Rural Appraisal and of Participatory Rural Appraisal. CO 3 : Make students aware about Principles of Rapid Rural Appraisal & Participatory Rural Appraisal and Additional Principles of Rapid Rural Appraisal.					
Course Content	Unit - I. Introduction of Participatory Rural Appraisal (PRA) • Definition, Concept, Objective, and Principles of PRA • Steps of PRA • Advantages and Limitation of PRA • Do's and Don'ts while doing PRA • Participation and its importance in PRA Unit - II. Exercise-1: Participatory Mapping • Meaning, Purpose and Types of MAPs • Social Maps • Resource Maps • Mobility Map					

MRS Semester-II

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies - Master of Rural Studies

Structure NCrF Credit level 6

Post Graduate Program after 3-year UG (Two Year/ 4 Semester)

(Course work only)

First Year (Semester: II)

Course Code	Major Course	Credit	Course Code	SEC	Credit	Total Credits Per Semester	
MRS-MJ:2001	Theories and Strategies for Rural Development	4	MRS-SEC: 2001	Computer Application in Rural Studies	2		
MRS-MJ:2002	Animal Husbandry and Dairying	4					
MRS-MJ:2003	Natural Resource Management	4					
MRS-MJ:2004	Research Methodology	4					
MRS-MJ:2005	Sustainable Rural Development	4					
SEM-II	4 x 5 course = 20 credit	20		2 x1 course = 2 credit	2	22	
Total Credit Semester- 1 & 2							
Total Credit semester - 1 & 2	Major	4 x 10 course = 40 credit	40	SEC	2 x1 course = 2 credit	2	44

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrf Credit level 6
Post Graduate Program after 3-year UG (Two Year/ 4 Semester)
(Course work only)
First Year (Semester: II)

Program Name	M.R.S. (Master of Rural Studies)					
Semester	II					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	MRS-MJ:2001					
Course Level	500-599					
Course Title	Theories and Strategies for Rural Development					
Credit	Theory:	4	Practical:	0	Total:	4
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO1 - Understand the concept of development, its indicators, and critically analyze various theories of development including Rostow's stages of growth, Lewis theory, dependency theories, Gandhian, Marxian perspectives, and views of Michael Lipton, A.K. Sen, and Robert Chambers. CO2 - Evaluate diverse approaches to rural development including community development, area development, beneficiary-oriented, integrated rural development, minimum needs, employment, and participatory approaches. CO3 - Examine and compare major rural development programmes implemented during pre and post-New Economic Policy reforms from 1951 to the 12th Five Year Plan. CO4 - Analyze contemporary rural development programs under NITI Ayog and apply theoretical knowledge to practical rural development contexts through field work.					
Course Content	Unit : - 1 Development and theories - Concept and indicators of Development - Theories of Development - The lewis Theory of Development - International Dependency theories - Marxian Theory of Development - Schultz Transformation of Agriculture - Mahatma Gandhi, Paul N. Rosenstein-Rodan, Gunnar Myrdal, Michael Lipton, A.K.sen and Robert Chamber"s views on Development Unit : - 2 Approaches for Rural Development					

	- Community Development : critical evaluation, Area Development, Beneficiary Development approach, Integrated Rural Development approach, Minimum needs, Employment approach, Participatory Approach, Gender and women's empowerment approach, Decentralisation & Panchayati Raj approach, Sustainable livelihoods approach Unit : - 3 Major Programmes for rural Development - Rural Development Programmes - Before independence, after independence to new economic reforms 1991 - Major Rural Development Programmes - Post New Economic Policy Reforms - up to 12th Five Year Plan) - NSAP, PMGSY, NRLM, MGNREGA (VK-GRAMG), SAGY, SBM, KISAN CREDIT KARD, DDU-GKY, etc. Unit : - 4 Rural Development Programs after NITI Ayog. - Water, Food Security and Health Programmes - Land, Forestry and Environment Programmes - Housing and Electricity Programmes - Welfare Programmes etc. - AI and Rural Development (Assignment Based)																																													
Mapping between Cos and PSOs	<table><tr><td></td><td>PSO1</td><td>PSO2</td><td>PSO3</td><td>PSO4</td><td>PSO5</td><td>PSO6</td><td>PSO7</td><td>PSO8</td></tr><tr><td>CO1</td><td>✓</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>✓</td><td>✓</td><td></td><td></td><td>✓</td><td></td></tr><tr><td>CO3</td><td>✓</td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>CO4</td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td></tr></table>		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	CO1	✓	✓	✓	✓	✓	✓		✓	CO2	✓		✓	✓			✓		CO3	✓	✓	✓		✓	✓	✓	✓	CO4		✓	✓	✓		✓	✓	✓
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8																																						
CO1	✓	✓	✓	✓	✓	✓		✓																																						
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	21. M. K. Gandhi, Rebuilding Our Village, Navjivan, 1969. 22. V.M. Dandekar, Gandhian Economic System – A Path to Non-Economic Goals in Gandhian Economy System by Radha Mohan Vichare, 1990. 23. Paul Samuel, Managing Development Programmes, Boulder West Press, 1990. 24. IRMA, Managerial Issues of Voluntary Organizations, 1992. 25. Shankar Datta and Others, Management of Development Organizations, 1996. 26. Dilip Shah, Alternatives in Rural Development, Sterling, 1988. 27. Dilip Shah, Gandhian Approach to Rural Development, 2000. 28. Batra, Globalization and Rural Development, SAGE, 2006. 29. S. B. Varma, P. N. Shanker and Others, Rural Based Development Strategies Development, 2006. 30. NITI Ayog, Government of India (Various Reports and Publications). 31. Planning Commission of India (Various Reports and Documents).
Teaching Methodology	Class room teaching, Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	Internal Assessment: 50 Marks 1. Written Test (30 Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (10 Marks) 4. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrF Credit level 6
Post Graduate Program after 3-year UG (Two Year/ 4 Semester)
(Course work only)
First Year (Semester: II)

Program Name	Master of Rural Studies (MRS)					
Semester	II					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Employability					
Subject Type	Discipline Specific / Vocational Education					
Course Code	MRS-MJ:2002					
Course Level	500-599					
Course Title	Animal Husbandry and Dairying					
Credit	Theory:	4	Practical:	0	Total:	4
Effective Form	Academic Year:2026-27					
Course Outcomes	CO - 1: Students will be able to critically understand the role of animal husbandry, livestock development policies, co-operative institutions, and NGOs in promoting sustainable rural livelihoods and economic development. CO - 2: Students will be able to analyze scientific livestock management practices including breed improvement, artificial insemination, nutrition, housing, health care, and reproductive management for enhanced productivity. CO - 3: Students will be able to evaluate the scope, management practices, and livelihood potential of inland fisheries and freshwater fish culture in rural development with special reference to Gujarat. CO - 4: Students will be able to assess the significance of poultry farming as a sustainable rural enterprise and apply scientific poultry management practices for income generation and self-employment.					
Course Content	Unit – 1 : Animal Husbandry and Livestock Development • Concept and need of animal management • Animal husbandry as a profitable rural occupation • Role of livestock in rural economy and sustainable livelihood • Government interventions and schemes for promotion of animal husbandry in Gujarat and India • Role of co-operative institutions in livestock development • Contribution of Non-Governmental Organizations (NGOs) in animal husbandry and rural development Unit – 2 : Livestock Management and Breed Improvement • Need and importance of breed improvement • Methods of breed improvement • Artificial Insemination (A.I.): concept, need and techniques • Feed and fodder management • Housing management of livestock					

	• Animal health management • Major livestock diseases and vaccination practices • Management of animal reproduction and reproductive health Unit – 3 : Inland Fisheries and Freshwater Fish Culture • Scope and importance of inland fisheries in rural areas of Gujarat • Economic importance of freshwater fisheries • Types of fishes suitable for inland fisheries • Freshwater fish culture and pond management practices • Fish breeding, feeding and disease management • Fisheries as a source of rural employment and livelihood Unit – 4 : Poultry Farming and Rural Livelihood • Poultry rearing as a livelihood enterprise • Importance and scope of poultry farming in rural development • Various poultry breeds suitable for small-scale farming • Methods of poultry rearing • Feed and housing management in poultry • Common poultry diseases and vaccination practices • Poultry farming for income generation and self-employment • AI and Animal Husbandry and Dairying (Assignment Based)																																													
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CO2		✓	✓	✓		✓		✓																																						
CO3	✓		✓	✓	✓		✓																																							
CO4		✓	✓			✓		✓																																						
Reference Books	1. ICAR (2010) Animal Husbandry, ICAR Publication, New Delhi. 2. EIRI Hand book of poultry farming and feed formulations. 3. Pashu Vyavastha : Arun D. Dave, Universtiy Granth Nirman Board, Ahmedabad 4. Vyavahary Gopalan : Krushanlal Shukal, University Granth Nirman 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. A Hand Book of Animal Husbandry : By ICAR, New Delhi 8. Principle and Methods of Plant - Breeding - B.D.Sinh 9. Plant Breeding - V. L. Chopra																																													
Teaching Methodology	Class room teaching, Group Discussion, Practical Training, Self-Study, Seminars and/or Assignment																																													
Evaluation Method	Internal Assessment: 50 Marks 5. Written Test (30 Marks) 6. Attendance (5 Marks) 7. Assignment / Homework (10 Marks) 8. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)																																													

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrf Credit level 6
Post Graduate Program after 3-year UG (Two Year/ 4 Semester)
(Course work only)
First Year (Semester: II)

Program Name	Master of Rural Studies (MRS)					
Semester	II					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Employability					
Subject Type	Discipline Specific / Vocational Education					
Course Code	MRS-MJ:2003					
Course Level	500-599					
Course Title	Natural Resources Management					
Credit	Theory:	4	Practical:	0	Total:	4
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO - 1: Students will be able to critically examine the concepts, significance, and management practices of Natural Resource Management and forestry for environmental conservation and sustainable rural development. CO - 2: Students will be able to analyze scientific horticultural practices, value addition techniques, and governmental policies related to fruit crop cultivation in Gujarat. CO - 3: Students will be able to evaluate the economic significance of fisheries, preservation methods, co-operative systems, and governmental initiatives in promoting rural livelihood and fisheries development. CO - 4: Students will be able to assess the applications, advantages, limitations, and agricultural significance of biotechnology, tissue culture, and B.T. seeds in modern crop production systems.					
Course Content	Unit 1 – Natural Resource Management and Environment Conservation Natural Resource Management (N.R.M.) • Meaning of N.R.M. • Importance of N.R.M. for Rural Development • Types of N.R.M. • Preservation and development of natural resources Forestry • Definition of Forest • Types and importance of forests • Forest management in Gujarat State • Forest products: Major and allied products • Forest conservation: needs and solutions • Concepts and needs of Social Forestry • Importance and functions of Forest Co-operative Society					

	Unit 2 – Horticulture - Care taken at the time of planting - Cultivation practices of major fruit crops in South Gujarat - Harvesting and value addition in fruit crops - Fruit growers motivation policy of Gujarat State Unit 3 – Fisheries and Rural Livelihood - Importance of Fisheries activities and its economic value in Rural Development - Fisheries research in Gujarat State (sea and sweet water) - Co-operative Societies for Fisheries activities: needs and importance - Fish preservation using ice, salt and sunlight - Government initiatives for Fisheries Unit 4 – Biotechnology in Agriculture Tissue Culture - Meaning of tissue culture - Methods of tissue culture - General procedure to raise a plant by cell culture - Uses of tissue culture in agriculture B.T. Seeds - Meaning of B.T. seeds - Uses of B.T. seeds in crop production - Merits and demerits of B.T. seeds Biotechnology in Crop Production - Uses of biotechnology in agriculture - AI and NRM (Assignment Based)																																													
Mapping between COs and PSOs	<table><tr><td></td><td>PSO 1</td><td>PSO 2</td><td>PSO 3</td><td>PSO 4</td><td>PSO 5</td><td>PSO 6</td><td>PSO 7</td><td>PSO 8</td></tr><tr><td>CO1</td><td>✓</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>✓</td><td></td><td>✓</td><td></td><td></td><td></td></tr><tr><td>CO3</td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>CO4</td><td>✓</td><td></td><td>✓</td><td></td><td>✓</td><td></td><td></td><td>✓</td></tr></table>		PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	CO1	✓	✓		✓		✓	✓	✓	CO2	✓		✓		✓				CO3	✓	✓		✓		✓	✓	✓	CO4	✓		✓		✓			✓
	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8																																						
CO1	✓	✓		✓		✓	✓	✓																																						
CO2	✓		✓		✓																																									
CO3	✓	✓		✓		✓	✓	✓																																						
CO4	✓		✓		✓			✓																																						
Reference Books	1. Adam C.R. burn ford K.M. and Early M.P. (1992), Principals of Horticulture 2. Parthsarathy, V.A.; T K Bose; S K Mitra; M K Sandhu, P. Das and D. Sanyal (2005) Propagation of Horticulture and subtropical Horticulture Crop. Naya Udyog Publications. 3. Baudendistel R F (1979) Horticulture a basic awareness, Reston publishing Co. 4. Avarani B. (1980) Jamin Vigyan and Vyavastha, Anada Prakashan, Ahemadabad. 5. Tishil Kheti (Guj.) Pub by Sayolay Smruti Kendra, Junagadh 6. Biotechnology Vishneshank (Godarshan) Guj. Edi. 7. Dwivedi A.P. (1993) Forestry in India. Surya Prakashan, 8. Sagreiya K P. (1979) Forests and Forestry, National Book Trust, New Delhi. 9. Jhinagran V.G (1991) Fish and Fisheries of India. Hindustan Publishing Corporation, New Delhi. 10. Maslekar A. F (1981) Forester's Companion: Indian Forestry Handbook. Jugal Kishore Publishing, New Delhi. 11. Satyanarayanaa U. (2017) A text book of biotechnology. LSA, Gwalior.																																													

Teaching Methodology	Class room teaching, Group Discussion, Practical Training, Self-Study, Seminars and/or Assignment
Evaluation Method	Internal Assessment: 50 Marks 9. Written Test (30 Marks) 10. Attendance (5 Marks) 11. Assignment / Homework (10 Marks) 12. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)

Veer Narmad south Gujarat University, SuratFaculty of Rural Studies - Master of Rural StudiesStructure NCrF Credit level 6Post Graduate Program after 3-year UG (Two Year/ 4 Semester)(Course work only)First Year (Semester: II)

Program Name	M.R.S. (Master of Rural Studies)					
Semester	II					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Employability / Skill Development					
Subject Type	Multi-Disciplinary					
Course Code	MRS-MJ-2004					
Course Level	500-599					
Course Title	Research Methodology					
Credit	Theory:	4	Practical:	-	Total:	4
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO1 - Understand the meaning, characteristics, and importance of social research, and develop skills in research design, hypothesis formulation, literature review, and identification of research problems. CO2 - Apply descriptive statistical methods including data processing, presentation, measures of central tendency, and measures of dispersion to analyze research data. CO3 - Utilize analytical statistical techniques including correlation, regression, time series analysis, hypothesis testing, and interpretation of multivariate analysis using SPSS. CO4 - Demonstrate proficiency in report writing including ethics, planning, literature review presentation, report structure, and proper citation techniques.					
Course Content	Unit 1: Overview and Concept of Social Research • Meaning, characteristics and Importance of Social Research • Research Design: Types of Research Design; Exploratory, Descriptive and Experimental Research • Formulation of Hypothesis • Literature Review • Identification and Formulation of Research Problem • Sample Design • Types of Data • Data Sources • Methods of Data Collection					

	6. Gujarati, D., Porter, D.C. & Pal, M. (2017). Basic Econometrics. Tata McGraw Hill, New Delhi. 7. Gupta, S.P. (2021). Statistical Methods. S. Chand & Company, New Delhi. 8. Kothari, C.R. & Garg, G. (2019). Research Methodology: Methods and Techniques. New Age International Publishers, New Delhi. 9. Kurien, C.T. (1973). Research Methodology in Economics. Sangam Publishers, Madras. 10. Moser, C.A. & Kolton, C. (1979). Survey Methods in Social Investigation. Heinemann Educational Books, London. 11. Wooldridge, J.M. (2019). Introductory Econometrics: A Modern Approach. South-Western Educational Publishing, Canada
Teaching Methodology	Class room teaching, Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	Internal Assessment: 50 Marks 13. Written Test (30 Marks) 14. Attendance (5 Marks) 15. Assignment / Homework (10 Marks) 16. Presentation (5 marks) External Assessment: 50 Marks Written Test (50 Marks)

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrf Credit level 6
Post Graduate Program after 3-year UG (Two Year/ 4 Semester)
(Course work only)
First Year (Semester: II)

Program Name	M.R.S. (Master of Rural Studies)									
Semester	II									
NCrf Credit Level	6									
Course Type	Major									
Course Subtype	Employability									
Subject Type	Discipline Specific / Intra-disciplinary									
Course Code	MRS-MJ:2005									
Course Level	500-599									
Course Title	Sustainable Rural Development									
Credit	Theory:		4	Practical:		0	Total:		4	
Effective Form	Academic Year: 2026-27									
Course Outcomes	CO 1. Students will be sensitized about the need of sustainable rural development and how the SDG's will help achieve it. CO 2. Define core concepts of sustainability and sustainable development. CO 3. Identify critical ecological, social, and economic issues affecting progress. CO 4. Apply environmental ethics to contemporary resource management decisions and Assess the progress of ongoing development projects using standard yardsticks.									
Course Content	Unit : - 1 Challenges to development, concept of sustainability, need of sustainability Unit : - 2 Brief history of sustainable development, issues and problems of sustainable development Unit :- 3 Environmental ethics, goals and strategies of sustainable development Unit :- 4 Sustainable development yardsticks: Measuring process and success. Future of sustainable development.									
Mapping between Cos and PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
	CO1	✓	✓	✓	✓	✓	✓	✓	✓	
	CO2	✓	✓	✓	✓	✓	✓	✓	✓	
	CO3	✓	✓	✓	✓	✓	✓	✓	✓	
	CO4	✓	✓	✓	✓	✓		✓		

Reference Books	1 Reyazzuddin and R.P. Singh (2010) Challenges to Sustainable development in India. Deep and Deep Publications, New Delhi 2 Sakarama Somayaji Environmental concern and Sustainable Development. TERI Publication 3 Baumgartner R. and R. Hogger (ed) (2004) In Search of Sustainable Livelihood. Sage Publications. 4. Singh K. (2009) Rural Development: Principles, Policies & 36 Management. Sage Publication 5 Rogers P.P., Jalal K.F and J A Boyd (2008) An Introduction to Sustainable Development P rentice-Hass of India Pvt.Ltd. New Delhi 6. Das Kumar (2009) Sustainable Development Reference Press, New Delhi. 7. Biswas M. (2007) Environmental Economics, Mittal Publication, New Delhi. 8. Ganesamurthy V.S. (2009) Environmental Economics in India. New Century Publication, New Delhi. 9. Ray S. (2008) Management of N.R. Institution for Sustainable Livelihood, Academic Foundation, New Delhi.
Teaching Methodology	Classroom teaching , Discussion, practical training in selected village, Self-Study, Seminars and/or Assignment
Evaluation Method	Internal Assessment: 50 Marks 17. Written Test (30 Marks) 18. Attendance (5 Marks) 19. Assignment / Homework (10 Marks) 20. Presentation (5 marks) External Assessment: 50 Marks 1. Written Test (50 Marks)

Veer Narmad south Gujarat University, Surat
Faculty of Rural Studies - Master of Rural Studies
Structure NCrf Credit level 6
Post Graduate Program after 3-year UG (Two Year/ 4 Semester)
(Course work only)
First Year (Semester: II)

Program Name	M.R.S. (Master of Rural Studies)					
Semester	II					
NCrf Credit Level	6					
Course Type	SEC					
Course Subtype	Employability /Skill Enhancement Course					
Subject Type	SEC					
Course Code	MRS-SEC:2001					
Course Level	500-599					
Course Title	Computer Application in Rural Studies					
Credit	Theory:	2	Practical:	0	Total	2
Effective Form	Academic Year: 2026-27					
Course Outcomes	CO1: Students will be able to learn basic concepts of computer. CO2: Students will be proficient working on Ms word and MS Excel. CO3: Students will be able to understand latest AI tools					
Course Content	UNIT-1: Introduction to Computers 1.1 Computer block diagram 1.2 Classification of computers 1.3 Computer Hardware 1.3.1 Input devices 1.3.2 Output devices 1.3.3 Memory devices 1.4 Types of Software 1.5 MS Word 1.5.1 Home Tab 1.5.2 Insert Tab 1.5.3 Page Layout Tab 1.5.4 Mailing Tab Unit 2 : Ms Excel and Internet and AI 2.1 MS Excel 2.1.1 Introduction to MS EXCEL.					

	2.1.2 Creating workbook and worksheet. 2.1.3 Applying various formulas 2.1.4 Data Handling 2.2 Internet 2.2.1 How the Internet Works: IP Addresses, DNS, and Web Servers 2.2.2 Basics of URL and Web Navigation 2.2.3 E-commerce and Types of e-commerce 2.3 AI in Rural Studies 2.3.1 AI in agriculture and smart farming 2.3.2 AI-based weather forecasting 2.3.3 AI for crop disease detection 2.3.4 AI in irrigation and water management									
Mapping between Cos and PSOs		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
	CO1	✓	✓	✓	✓	✓	✓	✓	✓	
	CO2	✓	✓	✓	✓	✓	✓	✓	✓	
	CO3	✓	✓	✓	✓	✓	✓	✓	✓	
	CO4	✓	✓	✓	✓	✓		✓		
Reference Books	1) Computer Fundamentals- by Satish Patel & Bhavin Patel 2) Ms office 2007 by Kalpesh Patel Published By :Computer World publication 3) Ms office 2007 By Samrat Prakashan 4) Internet By Yogendra Jani									
Teaching Methodology	Class Work, Discussion, Lab work, Self-Study, Seminars and/or Assignments									
Evaluation Method	Internal Assessment: 25 Marks 1. Written Test (15Marks) 2. Attendance (5 Marks) 3. Assignment / Homework (05 Marks) External Assessment: 25 marks 1. Written Exam (25 Marks)									