



Re-Accredited 'B++' 2.86 CGPA by NAAC

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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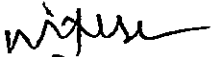
-: પરિપત્ર :-

યુનિવર્સિટી સંલગ્ન ગ્રામ અભ્યાસ વિદ્યાશાખા હેઠળની તમામ કોલેજોનાં આચાર્યશ્રીઓ તથા વિભાગીય વડાશ્રીને જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૬-૨૭ થી અમલમાં આવનાર NEP-2020 અંતર્ગત BRS/BRS (SD) સ્નાતક કક્ષાના 4 Year Honours પ્રોગ્રામના સેમેસ્ટર-૭ અને ૮ નું માળખું અભ્યાસક્રમ અંગે ગ્રામ અભ્યાસ વિષયની અભ્યાસ સમિતિની તા.૦૮/૦૨/૨૦૨૬ ની સભાનાં ઠરાવ ક્રમાંક : ૦૨ અન્વયે નિમેલ પેટાસમિતિ દ્વારા તૈયાર કરેલ માળખું અને અભ્યાસક્રમને ગ્રામ અભ્યાસ વિષયની અભ્યાસ સમિતિ વતી અભ્યાસ સમિતિનાં ચેરપર્સનશ્રીએ મંજૂર કરી અને ગ્રામ અભ્યાસ વિદ્યાશાખા વતી વિદ્યાશાખાનાં અધ્યક્ષશ્રીએ વિદ્યાશાખાવતી મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ સ્વીકારી એકેડેમિક કાઉન્સિલની તા.૦૬/૦૬/૨૦૨૬ ની સભાનાં ઠરાવ ક્રમાંક : ૪૧ થી સુધારા વધારા સાથે મંજૂર કરેલ છે. જેનો અમલ કરવા આથી જાણ કરવામાં આવે છે.

બિડાણ: ઉપર મુજબ

ક્રમાંક:ઓથો./પરિપત્ર/સિલેબસ/૧૨૮૮૧/૨૦૨૬

તા.૧૫-૦૬-૨૦૨૬


કુલસચિવ

પ્રતિ,

૧) યુનિવર્સિટી સંલગ્ન ગ્રામ અભ્યાસ વિદ્યાશાખા હેઠળની તમામ કોલેજોનાં આચાર્યશ્રી તથા વિભાગીય વડાશ્રી.

.....આપશ્રીની કોલેજ/વિભાગના સંબંધિત શિક્ષકોને જાણ કરી અમલ કરવા સારું.

૨) ડીનશ્રી, ગ્રામ અભ્યાસ વિદ્યાશાખા.

૩) 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 – Bachelor of Rural Studies (Sustainable Development)

Structure NCrF Credit level 6.0 (4 Year Honors Undergraduate Program) (Honours with OJT) 4th Year:BRS(SD) Semester-VII

Course Category	Course Code	Course Title	Marksheet Title in English	Level of Course	Teaching Hours/Week		Exam Duration		Credit		Internal Marks		External Marks		Total Makrs	
					TH	PR	TH	PR	TH	PR	TH	PR	TH	PR	TH	PR
MAJOR:1	BRSSD-MJ:7001	Rural Social Structure and Transformation	Rural Social Structure and Transformation	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:2	BRSSD-MJ:7002	Agriculture and Allied Technologies	Agriculture and Allied Technologies	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:3	BRSSD-MJ:7003	Climate Change and Rural Society	Climate Change and Rural Society	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MINOR:1	BRSSD-MI:7001	Fundamentals of Cyber Security	Fundamentals of Cyber Security	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
	BRSSD-OJT: 7001	On Job Training (180 Ours)	On Job Training	400-499	-	6	-	3Hrs	-	6	-	75	-	75	150	-
Total Credits:									22						500	

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development)

Structure NCrF Credit level 6.0 (4 Year Honors Undergraduate Program) (Honours with OJT) 4th Year:BRS(SD) Semester-VIII

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	BRSSD-MJ:8001	Theories and Strategies for Rural Development	Theories and Strategies for Rural Development	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:2	BRSSD-MJ:8002	Animal Husbandry and Dairying	Animal Husbandry and Dairying	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:3	BRSSD - MJ:8003	Sustainable Rural Development	Sustainable Rural Development	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MINOR:1	BRSSD - MI:8001	Entrepreneurship	Entrepreneurship	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
	BRSSD-OJT: 8001	On Job Training (180 Ours)	On Job Training	400-499	-	6	-	3Hrs	-	6	-	75	-	75	150	-
Total Credits:									22						550	

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development)

Structure NCrF Credit level 6.0 (4 Year Honors Undergraduate Program) (Honours with Research) 4th Year:BRS(SD) Semester-VII

Course Category	Course Code	Course Title	Marksheet Title in English	Level of Course	Teaching Hours/Week			Exam Duration		Credit		Internal Marks		External Marks		Total Makrs	
					TH	PR		TH	PR	TH	PR	TH	PR	TH	PR	TH	PR
MAJOR:1	BRSSD-MJ:7001	Rural Social Structure and Transformation	Rural Social Structure and Transformation	400-499	4	-		2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:2	BRSSD-MJ:7002	Agriculture and Allied Technologies	Agriculture and Allied Technologies	400-499	4	-		2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:3	BRSSD-MJ:7003	Climate Change and Rural Society	Climate Change and Rural Society	400-499	4	-		2Hrs	-	4	-	50	-	50	-	100	-
MINOR:1	BRSSD-MI:7001	Fundamentals of Cyber Security	Fundamentals of Cyber Security	400-499	4	-		2Hrs	-	4	-	50	-	50	-	100	-
RP:I	BRSSD-RP:7001	Research Project	Research Project	400-499	-	6		-	3Hrs	-	6	-	75	-	75	150	-
Total Credits:										22						550	

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development)

Structure NCrF Credit level 6.0 (4 Year Honors Undergraduate Program) (Honours with Research) 4th Year:BRS(SD) Semester-VIII

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	BRSSD-MJ:8001	Theories and Strategies for Rural Development	Theories and Strategies for Rural Development	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:2	BRSSD-MJ:8002	Animal Husbandry and Dairying	Animal Husbandry and Dairying	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MAJOR:3	BRSSD - MJ:8003	Sustainable Rural Development	Sustainable Rural Development	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
MINOR:1	BRSSD - MI:8001	Entrepreneurship	Entrepreneurship	400-499	4	-	2Hrs	-	4	-	50	-	50	-	100	-
RP: II	BRSSD-RP: 8001	Research Project	Research Project	400-499	-	6	-	3Hrs	-	6	-	75	-	75	150	-
Total Credits:									22						550	

Veer Narmad south Gujarat University, Surat

Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development)

Structure NCrf Credit level 6.0

4 Year Honors Undergraduate Program

(Course work with Research)

4th Year: Semester-VII

Course Code	Major Course	Credit	Course Code	Research Project	Credit	Total Credits Per Semester
BRSSD-MJ:7001	Rural Social Structure and Transformation	4	BRSSD-RP: 7001	RP	6	10
BRSSD-MJ:7002	Agriculture and Allied Technologies	4				12
BRSSD-MJ:7003	Climate Change and Rural Society	4				
BRSSD-MI:7001	Foundation of Cyber Security	4				
SEM-I	4 x 4 course = 16 credit	16		6 x1 course = 6 credit	6	22

Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrF Credit level 6 4 Year Honors Undergraduate Program (Course work with Research) 4th Year : Semester-VII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VII					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	BRSSD-MJ:7001					
Course Level	400-499					
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><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>CO 1</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td></td><td></td><td>☐</td><td></td></tr><tr><td>CO 2</td><td>☐</td><td></td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td></td><td>☐</td></tr><tr><td>CO 3</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td></td><td>☐</td><td>☐</td><td></td></tr><tr><td>CO 4</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	CO 1	☐	☐	☐	☐			☐		CO 2	☐		☐	☐	☐	☐		☐	CO 3	☐	☐	☐	☐		☐	☐		CO 4		☐		☐	☐	☐		☐
	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8																																						
CO 1	☐	☐	☐	☐			☐																																							
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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 Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrF Credit level 6 4 Year Honors Undergraduate Program (Course work with Research) 4th Year: Semester-VII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VII					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Skill Development					
Subject Type	Intra-disciplinary / Emerging Technology					
Course Code	BRSSD-MJ:7002					
Course Level	400-499					
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><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	☐		☐	☐	☐		☐	☐
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CO2		☐	☐	☐	☐	☐	☐	☐																																						
CO3	☐	☐				☐																																								
CO4	☐		☐	☐	☐		☐	☐																																						
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)

Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrf Credit level 6 4 Year Honors Undergraduate Program (Course work with Research) 4th Year: Semester-VII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	BRSSD-MJ:7003					
Course Level	400-499					
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		PS O1	PS O2	PS O3	PS O4	PS O5	PS O6	PS O7	PSO 8
	CO1	✓	✓	☐	☐	☐	☐	☐	☐
	CO2	☐	☐	☐	☐	☐	☐	☐	☐
	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	Classroom 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

Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development)

Structure NCrF Credit level 6

4 Year Honors Under Graduate Program

(Course work with Research)

4th Year : Semester-VIII

Course Code	Major Course		Credit	Course Code	Research Project	Credit	Total Credits Per Semester
BRSSD-MJ:8001	Theories and Strategies for Rural Development		4	BRSSD - RP-8001	RP	6	10
BRSSD-MJ:8002	Animal Husbandry and Dairying		4			12	12
BRSSD - MJ:8003	Sustainable Rural Development		4				
BRSSD - MI:8001	Entrepreneurship		4				
SEM-II	4 x 4 course = 16 credit		16		6 x1 course = 6 credit	-	22
Total Credit semester- 1 & 2		4 x 8course = 32 credit	-	-	6x2 course = 12 credit	-	44

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

U.G. LEVEL FOUR YEAR COURSES

Faculty of Rural Studies

B.R.S.(SD) (BACHELOR OF RURAL STUDIES)(Sustainable Development)

Credit & Semester wise New Course Design

Semester – VIII

(Course work with Research)

Sr. No.	Course Type	Course Code	Course	Credit	Evaluation Weightage				Weekly Teaching Hours	
					Internal	External		Total	The.	Pr.
						The.	Pr.			
1	Major – 1	BRSSD-MJ:8001	Theories and Strategies for Rural Development	4	50	50	-	100	4	-
2	Major – 2	BRSSD-MJ:8002	Animal Husbandry and Dairying	4	50	50	-	100	4	-
3	Major – 3	BRSSD - MJ:8003	Sustainable Rural Development	4	50	50	-	100	4	-
4	Minor-1	BRSSD - MI:8001	Entrepreneurship	4	50	50	-	100	4	-
5	RP – II	BRSSD-RP: 8001	Research Project	6	50	-	50	100	6	-
Total credit		22						500		

Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrf Credit level 6 4 Year Honors Undergraduate Program (Course work with Research) 4th Year: Semester-VIII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VIII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	BRSSD-MJ:8001					
Course Level	400-499					
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					

[illegible]

	17. Dharam Ghai, Agricultural Systems and Rural Development, ILO, 1880. 18. Satya Sundram, Voluntary Agencies and Rural Development, Concept, 2004. 19. L. C. Jain, Grass Without Roots, Sage, 1990. 20. M. K. Gandhi, Hind Swaraj, Navjivan, 1995 (New Edition). 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 – Bachelor of Rural Studies (Sustainable Development)
 Structure NCrF Credit level 6
4 Year Honors Undergraduate Program
(Course work with Research)
4th Year: Semester-VIII

Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VIII					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Employability					
Subject Type	Discipline Specific / Vocational Education					
Course Code	BRSSD-MJ:8002					
Course Level	400-499					
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
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	• 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)																																													
Mapping between COs and PSOs	<table><tr><th></th><th>PS O 1</th><th>PS O 2</th><th>PS O 3</th><th>PS O 4</th><th>PS O 5</th><th>PS O 6</th><th>PS O 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>		PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6	PS O 7	PSO 8	CO1	☐		☐		☐	☐			CO2		☐	☐	☐		☐		☐	CO3	☐		☐	☐	☐		☐		CO4		☐	☐			☐		☐
	PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6	PS O 7	PSO 8																																						
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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 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 – Bachelor of Rural Studies (Sustainable Development) Structure NCrF Credit level 6 4 Year Honors Undergraduate Program (Course work with Research) 4th Year: Semester-VIII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VIII					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific / Intra-disciplinary					
Course Code	BRSSD-MJ:8003					
Course Level	400-499					
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		PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8
	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 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 – Bachelor of Rural Studies (Sustainable Development)

Structure NCrf Credit level 6.0

4 Year Honors Undergraduate Program

(Course work with OJT)

4th Year: Semester-VII

Course Code	Major Course	Credit	Course Code	On Job Training	Credit	Total Credits Per Semester
BRSSD-MJ:7001	Rural Social Structure and Transformation	4	BRSSD-OJT: 7001	OJT	6	10
BRSSD-MJ:7002	Agriculture and Allied Technologies	4				
BRSSD-MJ:7003	Climate Change and Rural Society	4				
BRSSD-MI:7001	Foundation of Cyber Security	4				
SEM-I	4 x 4 course = 16 credit	16		6 x1 course = 6 credit	6	22

- On the Job Training
- 6 credit OJT during 7th semester of UG Programme
- Total 180 Hours OJT
- 75 Marks CCE and 75 Marks SEE
- In **Semester - 7 Minor “Fundamentals of Cyber Security (4 Credit)**

Subject Code [2609001107010001]

Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrf Credit level 6 4 Year Honors Undergraduate Program (Course work only) 4th Year : Semester-VII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	BRSSD-MJ:7001					
Course Level	400-499					
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>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><th>CO 1</th><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td></td><td></td><td>☐</td><td></td></tr><tr><th>CO 2</th><td>☐</td><td></td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td></td><td>☐</td></tr><tr><th>CO 3</th><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td></td><td>☐</td><td>☐</td><td></td></tr><tr><th>CO 4</th><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	CO 1	☐	☐	☐	☐			☐		CO 2	☐		☐	☐	☐	☐		☐	CO 3	☐	☐	☐	☐		☐	☐		CO 4		☐		☐	☐	☐		☐
	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8																																						
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CO 4		☐		☐	☐	☐		☐																																						

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 Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrF Credit level 6 4 Year Honors Undergraduate Program (Course work only) 4th Year: Semester-VII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VII					
NCrF Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Skill Development					
Subject Type	Intra-disciplinary / Emerging Technology					
Course Code	BRSSD-MJ:7002					
Course Level	400-499					
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><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																																						
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CO2		☐	☐	☐	☐	☐	☐	☐																																						
CO3	☐	☐				☐																																								
CO4	☐		☐	☐	☐		☐	☐																																						
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)

Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrf Credit level 6 4 Year Honors Undergraduate Program (Course work only) 4th Year: Semester-VII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	BRSSD-MJ:7003					
Course Level	400-499					
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		PS O1	PS O2	PS O3	PS O4	PS O5	PS O6	PS O7	PSO 8
	CO1	✓	✓	☐	☐	☐	☐	☐	☐
	CO2	☐	☐	☐	☐	☐	☐	☐	☐
	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	Classroom 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

Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development)

Structure NCrf Credit level 6

4 Year Honors Under Graduate Program

4th Year : Semester-VIII

(Honours with OJT)

Course Code	Major Course	Credit	Course Code	OJT	Credit	Total Credits Per Semester
BRSSD-MJ:8001	Theories and Strategies for Rural Development	4	BRSSD - OJT-8001	On Job Training	6	10
BRSSD-MJ:8002	Animal Husbandry and Dairying	4			12	12
BRSSD - MJ:8003	Sustainable Rural Development	4				
BRSSD - MI:8001	Entrepreneurship	4				
SEM-II	4 x 4 course = 16 credit	16		6 x1 course = 6 credit	-	22
Total Credit semester- 1 & 2	4 x 8course = 32 credit	-	-	6x2 course = 12 credit	-	44

- On the Job Training
- 6 credit OJT during 8th semester of UG Programme
- Total 180 Hours OJT
- 75 Marks CCE and 75 Marks SEE
- In **Semester - 8 Minor Entrepreneurship (4 Credit)**

Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrf Credit level 6 4 Year Honors Undergraduate Program (Course work only) 4th Year: Semester-VIII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VIII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific					
Course Code	BRSSD-MJ:8001					
Course Level	400-499					
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					

[illegible]

	17. Dharam Ghai, Agricultural Systems and Rural Development, ILO, 1880. 18. Satya Sundram, Voluntary Agencies and Rural Development, Concept, 2004. 19. L. C. Jain, Grass Without Roots, Sage, 1990. 20. M. K. Gandhi, Hind Swaraj, Navjivan, 1995 (New Edition). 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 – Bachelor of Rural Studies (Sustainable Development)
 Structure NCrf Credit level 6
4 Year Honors Undergraduate Program
(Course work only)
4th Year: Semester-VIII

Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VIII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Entrepreneurship / Employability					
Subject Type	Discipline Specific / Vocational Education					
Course Code	BRSSD-MJ:8002					
Course Level	400-499					
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
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	• 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)																																													
Mapping between COs and PSOs	<table><tr><th></th><th>PS O 1</th><th>PS O 2</th><th>PS O 3</th><th>PS O 4</th><th>PS O 5</th><th>PS O 6</th><th>PS O 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>		PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6	PS O 7	PSO 8	CO1	☐		☐		☐	☐			CO2		☐	☐	☐		☐		☐	CO3	☐		☐	☐	☐		☐		CO4		☐	☐			☐		☐
	PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6	PS O 7	PSO 8																																						
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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																																													
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Veer Narmad south Gujarat University, Surat Faculty of Rural Studies – Bachelor of Rural Studies (Sustainable Development) Structure NCrf Credit level 6 4 Year Honors Undergraduate Program (Course work only) 4th Year: Semester-VIII						
Program Name	B.R.S. (SD) (Bachelor of Rural Studies) (Sustainable Development)					
Semester	VIII					
NCrf Credit Level	6					
Course Type	Major					
Course Subtype	Employability					
Subject Type	Discipline Specific / Intra-disciplinary					
Course Code	BRSSD-MJ:8003					
Course Level	400-499					
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		PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8
	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 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)								