

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-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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ક્રમાંક:ઓથો./BRS(SD)/પરિપત્ર/૨૩૩૫૨/૨૦૨૪

તા.૨૬/૧૦/૨૦૨૪

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

વિષય :- BRS(SD) Sem.- 3 નાં રિવાઈઝ અભ્યાસક્રમ અંગે.

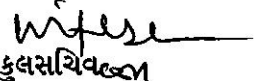
સંદર્ભ:-યુનિવર્સિટી કાર્યાલયનો પરિપત્ર ક્રમાંક:એસ./BRS(SD)/પરિપત્ર/૧૦૮૧૦/૨૦૨૪,

તા.૨૩/૦૫/૨૦૨૪,

સુજાશ્રી,

સવિનય જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૪ - ૨૫ થી અમલમાં આવેલ BRS(SD) Sem.-3 નો રિવાઈઝ અભ્યાસક્રમ ગ્રામ અભ્યાસ વિદ્યાશાખાના અધ્યક્ષશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિદ્યાશાખા વતી મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણને એકેડેમિક કાઉન્સિલની તા.૦૧/૦૩/૨૪ ની સભાનાં ઠરાવ ક્રમાંક:૧૦૪ અન્વયે માનનીય કુલપતિશ્રીને આપેલ સત્તા અંતર્ગત માનનીય કુલપતિશ્રી ધ્વારા મંજૂર કરેલ છે. જેનો અમલ કરવા આથી જાણ કરવામાં આવે છે.

(બિડાણ: ઉપર મુજબ)


કુલસચિવ

પ્રતિ,

- ૧) ડીનશ્રી, ગ્રામઅભ્યાસ વિદ્યાશાખા,
- ૨) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.



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વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

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

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ક્રમાંક:એસ./BRS(SD)/પરિપત્ર/૧૦૮૧૦/૨૦૨૪
તા.૨૩/૦૫/૨૦૨૪

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

વિષય :- B.R.S.(SD) Sem.-3 & 4 ના અભ્યાસક્રમ બાબત.

સુશ્રી,

સવિનય જણાવવાનું કે, NEP-2020 અંતર્ગત શૈક્ષણિક વર્ષ ૨૦૨૪-૨૫ થી અમલમાં આવનાર BRS(SD) Sem.- 3 & 4 નું સ્ટ્રક્ચર અને Major, Minor, MDC, AEC, SEC અને VAC નો પેટાસમિતિ દ્વારા તૈયાર કરવામાં આવેલ અભ્યાસક્રમ ગ્રામઅભ્યાસ વિદ્યાશાખા અને ગ્રામઅભ્યાસ વિષયની અભ્યાસ સમિતિની તા.૩૦/૦૪/૨૦૨૪ ની સંયુક્ત સભાના ઠરાવ ક્રમાંક:૦૬ અન્વયે મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ એકેડેમિક કાઉન્સિલની તા.૦૧/૦૩/૨૦૨૪ ની સભાના ઠરાવ ક્રમાંક:૧૦૪ અન્વયે માન.કુલપતિશ્રીને આપેલ સત્તા અંતર્ગત ઈ.ચા.માનનીય કુલપતિશ્રી દ્વારા મંજૂર કરેલ છે. જેનો અમલ કરવા આથી જાણ કરવામાં આવે છે.

ગ્રામઅભ્યાસ વિદ્યાશાખા અને ગ્રામઅભ્યાસ વિષયની અભ્યાસ સમિતિની તા.૩૦/૦૪/૨૦૨૪ની સંયુક્ત સભાના ઠરાવ ક્રમાંક:૦૬

:: આથી ઠરાવવામાં આવે છે કે, શૈક્ષણિક વર્ષ ૨૦૨૪-૨૫ થી અમલમાં આવનાર BRS(SD) સેમેસ્ટર-૩ અને ૪ નું સ્ટ્રક્ચર અને પેટાસમિતિ દ્વારા તૈયાર કરવામાં આવેલ અભ્યાસક્રમ સુધારા વધારા સાથે મંજૂર કરી એકેડેમિક કાઉન્સિલને ભલામણ કરવામાં આવે છે.

બિડાણ: ઉપર મુજબ

Wife
કુલસચિવ

પ્રતિ,

૧) ડીનશ્રી, ગ્રામઅભ્યાસ વિદ્યાશાખા,
૨) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
U.G. LEVEL FOUR YEAR (HONORS) PROGRAM
Faculty of Rural Studies
B.R.S. (BACHELOR OF RURAL STUDIES (Sustainable Development)
Credit & Semester wise New Course Design
Semester - 3

Sr. No	Course Type	Course Name	Course Code	Credit	Evaluation Weightage			Weekly Teaching Hours		
					Internal	External		Total	The.	Pr.
						The.	Pra.			
1	Major – 1	Social Theory and Sociology of Development	MJ:105	4	50	50	-	100	4	-
2	Major - 2	Social Responsibility and Sustainable Development	MJ:106	4	50	50	-	100	4	-
3	Major – 3	Indian Rural Economy	MJ:107	4	50	50	-	100	4	-
4	Int. Disci. Any one	Panchayati raj and Rural Development	ID:103/A	4	50	50	-	100	4	-
		Management of Co opratives	ID:103/B							
5	Skill Enhancement Course	Approaches for People’s Participation in rural development	SEC:103	2	25	25	-	50	2	-
5	Ability Enhancement Course	English	AEC: 103	2	25	25	-	50	2	-
6	Value Added Course(IKS) Any One	1. History of Indian Culture (Indian knowledge System)	IKS: 103 A	2	25	25	-	50	2	-
		2. Indian Ethics (Indian knowledge System)	IKS: 103 B							
Total credit				22	275	275		550	22	

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
MAHATMA GANDHI DEPARTMENT OF RURAL
STUDIES

Academic Year - 2024 - 25

B.R.S(SD) Honors

SEMESTER - 3

Course Code	Course Name
MJ:105	Social Theory and Sociology of Development
MJ:106	Social Responsibility and Sustainable Development
MJ:107	Indian Rural Economy
MD: 103	MD: 103 (A): Panchayati Raj and Rural Development
	MD: 103 (B): Management of Co Cooperatives
SEC:103	Approaches to People's Participation In Rural Development
AEC: 103	English
VAC:103	IKS: 103 A: History of Indian Culture (Indian knowledge System)
	IKS: 103 B: Indian Ethics (Indian knowledge System)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) honors SEMESTER – III

MJ:105 : Social Theory and Sociology of Development

Credits : 4

Objectives: A sociological theory is supposition that intends to consider, analyze And/or explain objects of the social reality from a sociological perspective, drawing connections between individual concepts in order to organize and substantiate sociological knowledge.

Unit:1. Social theories

- Classical social theory
- Post modern social theory
- Structural Functionalism theory
- Conflict theory
- Feminist theory

Unit:2. Theories of Development

- Modernization theory
- Dependency theory
- World system theory
- Theory of Globalization

Unit: 3. Social Development

- Meaning, definition of social development
- Features of Social Development
- Social Development in the UN's Agenda
- Social Development in India
- Factors facilitating social development
- Factors Hindering social development

Unit:4. Approaches of Development

- An Introduction of Approaches of Development
- The capitalist model of development
- The socialist model of development
- Gandhian model of development

References:

- Berger, Peter L. and Thomas Luckmann. *The Social Construction of Reality: A Treatise in the Sociology of Knowledge*. New York: Anchor Books. ISBN: 978-0-385-05898-8.
- Collins, Patricia Hill. *Black Sexual Politics: African Americans, Gender, and the New Racism*. New York: Routledge. ISBN: 978-0415951500.
- Durkheim, Emile. *Suicide: A Study in Sociology*. Edited with an introduction by George Simpson. Translated by John A. Spaulding & George Simpson. New York: The Free Press. ISBN: 978-0684836324.
- Dubois, W.E.B. 1899. *The Philadelphia Negro*.
- DuBois, W.E.B., *The Souls of Black Folk*
- Durkheim, Emile. 1912. *The Elementary Forms of Religious Life*.
- Foucault, Michel. 1990 [1978]. *The History of Sexuality, An Introduction*. New York: Vintage Books.
- Foucault, Michel. *Discipline and Punish: The Birth of the Prison*. Translated by Alan Sheridan. New York: Vintage Books. ISBN: 978-0679752554.
- Goffman, Erving. *The Presentation of Self in Everyday Life*. New York: Anchor Books. ISBN: 978-0385094023.
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- Mead, George Herbert. 1934. *Mind, Self, and Society*. University of Chicago Press. Mills, C. Wright. *The Power Elite*.
- Omi, Michael and Howard Winant. 1994. *Racial Formation in the United States: From the 1960's to the 1990's*. New York: Routledge.
- Reyes, Giovanni E., **FOUR MAIN THEORIES OF DEVELOPMENT: MODERNIZATION, DEPENDENCY, WORD-SYSTEM, AND GLOBALIZATION** University of Pittsburgh, USA. [theory and social dev..pdf](#)
- Smith, Dorothy. 1987. *The Everyday World as Problematic*. Boston: Northeastern University.
- Smith, Dorothy. 1990. *The Conceptual Practices of Power*.
- Sociology of Development, [SD - social development and theories.pdf](#)
- Warner, Michael. 1999. *The Trouble with Normal: Sex, Politics and the Ethics of Queer Life*. New York: Free Press.
- Weber, Max. *The Protestant Ethic and the Spirit of Capitalism*. Translated by Talcott Parsons. Introduction by Anthony Giddens. New York: Routledge. ISBN: 978- 0415084345.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD)SEMESTER - III

MJ:106 : Social Responsibility and Sustainable Development

Credits : 4

Objectives: This course will familiarize the students with the concept of social responsibility and corporate social responsibility too. The evolution of CSR has far reaching consequences on the development sector in India. The collaboration of companies and NGOs with the community has initiated a new paradigm of change in the country. The paper will discuss a few prominent case studies of CSR.

Unit – 1 Introduction of social responsibility

- Concept and meaning social responsibility
- types and advantages of social responsibility
- Social responsibility and business organizations
- Opinions in favor of social responsibility

Unit – 2 corporate social responsibility

- Concept and definition CSR
- component and key drivers of CSR
- Concept of Charity, Corporate philanthropy, environmental aspect of CSR
- History and evaluation of CSR in the indian and international context

Unit – 3 Legal Provisions for CSR in India

- CSR in other countries, CSR provisions in India – mandatory and legal provisions, Schedule 7(related to CSR)
- Relation Between NGOs and CSR for Sustainable Rural Development in India,

UNIT – 4 CSR and sustainable Development

- Relationship between CSR and MDGs, SGDs
- CSR solutions to poverty,
- Creating livelihood through skilling person in the community
- Health care and CSR
- Delivering better education through CSR partnership

References:

1. Agarwal, S. (2008). Corporate social responsibility in India. Los Angeles: Response.
2. Baxi, C. (2005). Corporate social responsibility: Concepts and cases : The Indian experience. New Delhi, India: Excel Books.
3. Bhattacharya, D. Corporate social development: A Paradigm shift. New Delhi: Concept publishing company
4. Crane, A. (2008). Corporate social responsibility: Readings and cases in a global context. London: Routledge.
5. Visser, W. (2011). The age of responsibility CSR 2.0 and the new DNA of business. Chichester, West Sussex: John Wiley & Sons.
6. Visser, W. (2007). The A to Z of corporate social responsibility a complete reference guide to concepts, codes and organisations. Chichester, England: John Wiley & Sons.
7. Werther, W., & Chandler, D. (2006). Strategic corporate social responsibility: Stakeholders in a global environment. Thousand Oaks: SAGE Publications
8. Sustainable development, [SD - social development and theories.pdf](#)
9. <https://byjus.com/commerce/what-is-social-responsibility/>

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) Honors SEMESTER – III

MJ:107 : Indian Rural Economy

Credits : 4

Objectives :-

This paper is prepared with the objective to create awareness among the students regarding the rural economy of India and factors affecting it. It also provides insight on the role of agriculture and animal husbandry in rural economy. It also deals with new avenues to reduce unemployment and poverty from the rural India.

Unit-I Rural Economy of India

- Characteristics of rural economy
- Role and importance of agriculture and animal husbandry in rural economy

Unit-II Agricultural productivity and marketing

- Farm size, land utilization and cropping pattern, causes of low agricultural productivity, measures taken to improve productivity.
- Importance, merits and demerits of present system of marketing agricultural produce. New policy for marketing of agricultural produce.
- Role of irrigation facilities, transport and communication and electrification in increasing income of farmers.

Unit-III Rural poverty and unemployment

- Causes and extent of rural poverty and unemployment, various rural development program including MGNREGA for reducing the rural poverty and unemployment

Unit-IV Rural Industrialization and finance

- Need, importance and problems of agro-based industries and cottage industries.
- Need and sources of rural finance, problems of rural indebtedness and its relief measures.

Field visits

- Visit to selected villages and village institutions (bank, dairy, agriculture market, etc.) to understand various components of rural economy

REFERENCES :

1. Tyagi B P Agricultural Economics and Rural Development. Jai Prakashan, Merrut.
2. Mamoria C B and Tripathi BB. Agricultural problems of India. Century Printers, Allahabad
3. Nanavati M B and Anjaria J J. The Indian Rural Problems. Vora and Co., Mumbai.
4. Misra S K and Puri V K. Indian Economy, Himalaya Publishing Co.
5. Dutt R and Sundharam K P M. Indian Economy. S. Chand and Company, New Delhi.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER - III

MD: 103 (B): Management of CO-Operatives

Credits : 4

Objectives:

1. To enable them to understand the principles, value and economic activities of cooperation.
2. To enable them to understand emergence and development of co operative Activity in the world.
3. To facilitate them to understand the forms of cooperative activities and management
4. To provide insights about NABARD and NDDDB as well as AMUL model of cooperative in India

Unit: 1. Content of co operation

- Meaning and characteristics of co operation
- Modern principles of co operation
- Values of co operation
- Economic Activities and co operation(Capitalism, socialism and mixed co operation)

Unit:2. Emergence and development of co operative Activities

- Emergence and development of co operative Activity in the world(England, Germany, Denmark, Israel)
- Emergence and development of co operative Activity in India
- Emergence and development of co operative Activity in Gujarat

Unit:3. Forms of co operative Activity and management

- Introduction of Forms of various co operatives
- Co operative farming society
- Co operative Irrigation society
- Primary milk producers Co operative
- Primary agricultural credit Co operative society
- Sugar producers Co operative
- Management of Co operative societies

Unit: 4. Preliminary Introduction of co operative societies

- NABARD
- National Dairy Development Board (NDDDB)
- National Co operative Development Corporation
- AMUL
- Field Visits

Suggested Readings:

1. Gupta, K.B, Siddiqui, F and Alam, I(2011). Rural Management. Word Press, Lucknow.

2. Nakkiran, S (2006). Cooperative Management-Principles and Techniques, Deep & Deep Publications Pvt. Ltd: New Del

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER – III

MD: 103 (A) : Panchayati Raj and Rural Development

Credits : 4

OBJECTIVE:

The Students understand the role of gram panchayat in planning and become aware of self-governance, village development and Gandhiji's concept of village self-government. Despite this the student to study the structures for village planning and develops face to face understanding.

Unit: 1 Historical perspective of Panchayat

Evolution and development of Panchayati Raj in India
Gandhiji's concept of Gram Swaraj and panchayati raj
Gujarat panchayati raj statute:1961 – A Review
Concept and Structure of Three tier panchayati raj

Unit: 2 Three tier Panchayati Raj System

73rd Constitutional Amendment
Structure of Gram Sabha and Gram Panchayat
Functions of Gram Panchayat
Gram Panchayat and E- Governance (General Introduction)

Unit: 3 Rural Planning

Meaning and characteristics of rural planning
Approaches of Rural Planning (Top to Down and Bottom to Up Approach)
Types of Rural Planning
1. Centralized and decentralized planning 2. Strategic and Functional planning
Meaning of Micro planning, form and characteristics (Regional /specific planning)

Unit: 4 Decentralized Rural Planning System

Concept of Decentralized Planning
Need of Decentralized Rural Planning for Rural Development
Process of Decentralized Rural Planning
Understanding of authority and responsibility in relation to decentralized rural planning

References:

- Anjana Chaudhary, 2004, RURAL SOCIOLOGY, Dominant Publishers and Distributors, 116/A, South Anarkali, Delhi 110 051, India.
- Buddhyadeb Ghosh & Girish Kumar, 2003, STATE POLITICS AND PANCHAYATS IN INDIA, Monohar Publishers and Distributors, 4753/23, Ansari Road, Daryaganj, New Delhi 110 002.
- B.K. Sahu, 2003, RURAL DEVELOPMENT IN INDIA, Anmol Publications Pvt. Ltd., New Delhi 110 002, India
- B.P. Joshi & G.S. Narwani, 2002, PANCHAYAT RAJ IN INDIA, Rawat Publications, Satyam Apts., Sector – III, Jain Temple Road, Jawahar Nagar, Jaipur – 4, India,
- Geeta Sethi ed. 2004, FISCAL DECENTRALIZATION TO RURAL GOVERNMENTS IN INDIA- a World Bank Report, Oxford University Press, YMCA Library Building, Jai Singh Road, New Delhi 110 001, India.
- S.N. Mishra, Sweta Mishra, Chaitali Pal, . 2000, DECENTRALISED PLANNING AND PANCHAYATI RAJ INSTITUTIONS, Mittal Publications, A-110, Mohan Garden, New Delhi 110 059, India.
- Vijendra Singh, 2003, PANCHAYATI RAJ AND VILLAGE DEVELOPMENT – VOL.- 1, Sarup & Sons., 4740/23, Ansari Road, Daryaganj, New Delhi – 2, India.

BRS(SD)(BACHELOR OF RURAL STUDIES) in Sustainable Development

SEMESTER - 3

Skill Enhancement Course 103

SUBJECT - ગ્રામ વિકાસમાં લોક સહભાગીદારીના અભિગમો

(Approaches to People's Participation In Rural Development)

(CREDIT – 2)

હેતુઓ:

1. લોક સહભાગીદારીના અભિગમનો ખ્યાલ અને મહત્વથી વિદ્યાર્થીઓ માહિતગાર કરવા.
2. વિદ્યાર્થીઓને ગ્રામીણ વિકાસ કાર્યની વિવિધ પ્રવૃત્તિઓ દ્વારા લોકોની ભાગીદારી તરફ સંવેદનશીલ બનાવવા.
3. જુદી જુદી તકનીક જેમકે PRA, PLA, માઇક્રોપ્લાનિંગ, NGO થી વિદ્યાર્થીઓને માહિતગાર કરવા.
5. વિદ્યાર્થીઓ ગ્રામસભાથી માહિતગાર થાય.
6. વિદ્યાર્થીઓ ગ્રામ વિકાસમાં લોકભાગીદારીની ઉપયોગીતાથી પરિચિત થાય.
7. વિદ્યાર્થીઓ લોકભાગીદારીના અવરોધક પરિબલો અને તેને દૂર કરવાના ઉપાયોથી પરિચિત થાય.

1. લોક ભાગીદારી : લોક ભાગીદારીનો અર્થ, ગ્રામીણ વિકાસમાં તેનું મહત્વ.

2. લોકભાગીદારીના વિવિધ અભિગમો :

- | | | |
|-----------------------|---------------------------|------------------------|
| 1. સામુદાયિક અભિગમ | 2. વિસ્તાર વિકાસ અભિગમ | 3. લક્ષ્યાંક જૂથ અભિગમ |
| 4. રોજગારી અભિગમ | 5. કલ્યાણ અભિગમ | 6. સંકલિત વિકાસ અભિગમ |
| 7. સમાજ સુધારણા અભિગમ | 8. ટેકનિકલ સંચાલકીય અભિગમ | 9. ભાગીદારીનો અભિગમ |

3. લોકભાગીદારી અભિગમના પ્રકાર :

1. ઔપચારિક ભાગીદારીઅભિગમ 2. અનૌપચારિક ભાગીદારીઅભિગમ

4. લોકભાગીદારીની સામાજિક રચનાતંત્ર ઉપર અસરો :

- | | |
|--|-----------------------|
| 1. રચનાતંત્ર બદલવાનું ધ્યેય બને છે. | 2. વ્યવસ્થાનો વિરોધ |
| 3. ધ્યેય છેક છેવાડાના માણસ સુધી પહોંચાડવાનો બને. | 4. માળખામાં પરિવર્તન. |
| 5. બહુલક્ષીતા આવી. | |

5. ગ્રામીણ વિકાસ કાર્યક્રમમાં ભાગીદારી અભિગમ.

- | | |
|-------------------|---|
| 1. P.R.A અભિગમ | 2. P.L.A અભિગમ |
| 3. N.G.O નો અભિગમ | 4. Micro Planning (સૂક્ષ્મ આયોજન) અભિગમ |

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
U.G. LEVEL FOUR YEAR (HONORS) PROGRAM
Faculty of Rural Studies
B.R.S. (BACHELOR OF RURAL STUDIES)(Sustainable Development)
Credit & Semester wise New Course Design
Semester - 4

Sr. No.	Course Type	Course Name	Course Code	Credit	Evaluation Weightage			Weekly Teaching Hours		
					Internal	External		Total	The.	Pr.
						The.	Pra.			
1	MJ – 108	Soil Science and Agriculture Management	MJ:108	4	50	50	-	100	4	-
2	MJ -109	Sustainable Energy Resources	MJ:109	4	50	50	-	100	4	-
3	MJ -110	Animal Husbandry and Dairying	MJ:110	4	50	50	-	100	4	-
3	ME - 103	Rural Development Policies and Programmes	ME: 103	4	50	50	-	100	4	-
4	Ability Enhancement Course 104	English	AEC: 104	2	25	25	-	50	2	-
5	Skill Enhancement Course – 104	Information Technology in Rural Development	SEC: 104	2	25	25	-	50	2	-
6	Value Added Course Any One	1.Sustainable Crop Production and Organic Farming	VAC: 104/A	2	25	25	-	50	2	-
		2. Horticulture	VAC: 104/B							
Total credit				22	275	275	-	550	22	-

Exit 2: Award of UG Diploma in Major course with 88 credits with additional 4 credits of Summer Internship in core specific NSQF defined course OR continue with Major and Minor course for next NCrF credit level.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER – IV

MJ:108: Soil Science and agriculture management

Credits : 4

Objectives :-

This paper is meant to make students understand the importance of soil in agriculture and the soil science. The students will know various physical and chemical properties of soil and their role in agricultural production. The paper will make the students well versed about needs and methods of soil management for sustainable agriculture.

Unit-I Meaning and formation of soil

- What is soil? Factors affecting formation of soil.
- Various types of rocks forming soil.
- Minerals forming soil – meaning and properties of various minerals and properties of various minerals, classification of minerals, study of important minerals.

Unit-II Profile and Layers

- What is soil profile?
- Ingredients of soil – Types, proportions and functions.
- Classification of soil.

Unit-III Physical and chemical properties of soil.

- Texture, structure, colour, density, porosity, consistency,
- Electric conductivity, plant nutrients, organic soil carbon, salinity, acidity

Unit-IV Management of soil

- Role of soil in sustainable agriculture
- Need for soil management, management of waste, acidic, salinity, water logged soils.
- Soils erosion- its types, effects and methods of prevention.

Unit-V Practices / field visits

- Soil and water sampling
- Visit to soil testing laboratory
- Demonstration of various types of soils

REFERENCES :

- (1) Pandya H G. Mehta P M Hariya N H. JaminVigyan – Part 1 University Gaanth
Nirman Board
- (2) Avarani Babubhai Jaminvigyan and vyavastha. Anadaprakashan
Suthar Hasmukh Jaminvigyan and vyavastha

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER – IV

MJ:109: Sustainable Energy Resources

Credits : 4

Objectives:

This paper is designed to give an insight on the need for sustainable energy resources in current period and various sources to obtain green energy.

Unit I- Scenario of Renewable Energy (RE) Sources: Needs of sustainable energy, advantages and limitations of Renewable Energy, present energy scenario of conventional and RE sources, Various non-conventional energy resources- availability, classification, relative merits and demerits

UNIT-II Solar Thermal Energy: Solar radiation, flat plate collectors and their materials, applications and performance,

UNIT-III Geothermal Energy: Resources of geothermal energy, environmental considerations.

UNIT-IV Wind Energy: Wind power and its sources, site selection, criterion,

UNIT-V Bio-mass: Availability of bio-mass and its conversion theory. Bio-gas production and utilization. Wave and Tidal Wave, Waste Recycling Plants.

- Field visits

References:

1. Raja et al, "Introduction to Non-Conventional Energy Resources" Scitech Publications.
2. John Twideu and Tony Weir, "Renewal Energy Resources" BSP Publications, 2006.
3. M.V.R. Koteswara Rao, "Energy Resources: Conventional & Non-Conventional" BSP Publications, 2006.
4. D.S. Chauhan, "Non-conventional Energy Resources" New Age International.
5. C.S. Solanki, "Renewal Energy Technologies: A Practical Guide for Beginners" PHI Learning.
6. Peter Auer, "Advances in Energy System and Technology". Vol. 1 & II Edited by Academic Press.
7. Godfrey Boyle, "Renewable Energy Power For A Sustainable Future", Oxford University Press.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER – IV

MJ:110: Animal Husbandry and Dairying

Credits : 4

Objectives :

To make students aware of role of animal husbandry in self-employment in rural areas. This course details pillars of animal husbandry to make students ready to accept new researches in the field as animal keeper.

Unit-I Importance of animal husbandry in rural India.

- Different indigenous and exotic breeds and hybrid cow

Unit-II Animal Breeding

- Its need various types of breeding methods, basic introduction of animal reproduction, Artificial insemination- history merits and demerits.

Unit-III Animal nutrition

- Digestive system of ruminants
- Nutrients in animal feed – carbohydrates, protein, minerals, vitamins and water.
- Measuring food – Quantity and quality
- Forage crops

Unit-IV Animal housing & health

- Importance of animal housing & management of common diseases- symptoms and their treatments. Vaccination
- Composition of milk & clean milk production
- Types of dairy

Unit-V Field Visits

- Visit to dairy farm cattle breeding institute and dairy processing unit.

References:

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. Shukul Krushanlal (2000) Vyavaharu Gopalan :, 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. ICAR (2006) A Hand Book of Animal Husbandry. ICAR, New Delhi
8. Singh B D (2018) Principle and Methods of Plant - Breeding. Kalyani Publishers.
9. Chopra V L (2018) Plant Breeding.- Theory and Practice. Oxford and IBH Publishing
Pvt. Ltd.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER – IV

ME: 103: Rural Development Policies and Programmes Credits: 4

Objectives:

To familiarize students with the policies for rural development. To cultivate the student's understanding of the Rural Development Programmes in India since Independence Earlier Programmes and Current developmental efforts in india

Unit I: Policies for Rural Development

- Land Policy; Technology Policy
- Agricultural Policy
- Employment Policy
- Education and Extension Policy
- Rural Institutions Policy; Price Policy

Unit II: Rural Development Programmes in India since Independence Earlier Programmes

- Area Development Programmes
- Target-Group Oriented Programmes
- Wage Employment Programmes
- Self Employment Programmes
- Welfare Programmes
- Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS)
- Swarnajayanti Gram Swarojgar Yojana (SGSY)
- National Social Assistant Programmes (NSAP)

Unit III: Current Rural Development Programmes

- National Rural Livelihood Mission
- Pradhan Mantri Gramin AwaasYojana
- Pradhan Mantri Gram SadakYojana (PMGSY)
- DAY-NRLM; DDU-GKY
- Sanasad Aadarsh Gram Yojana (SAGY)
- Swachh Bharat Mission (SBM)
- Shyama Prasad Mukherji Rurban Mission (SPMRM)

Unit: IV Field visits & Exposure Visits

References:

B. K. Prasad, 2003, Rural Development: Concept, Approach and Strategy Sarup& Sons.

Bibhuti Bhushan Malik, 2009, Poverty in India: Fundamental Issues: a Social Science Perspective, Mittal Publications.

Bikramaditya Singh, 1992, Planning for Rural Development and Poverty Alleviation, Mittal Publications. Desai, Vasant, 1991, Fundamentals of Rural Development, New Delhi: Rawat Publications.

G. N. Karalay, 2005, Integrated Approach to Rural Development: Policies, Programmes and Strategies, Concept Publishing Company.

Gogula Parthasarathy, 2003, Economic Reforms and Rural Development in India, Academic Foundation.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**BRS(SD) SEMESTER – IV****SEC: 104: Information technology in rural development Credits: 4****Bachelor of Rural Studies (SD)****Semester 4****CourseCode: SEC: 104****CourseTitle: Information Technology in Rural Studies**

CourseCode	SEC: 104
Course Title	Information Technology in Rural Studies
Credits	2
TeachingperWeek	2Hrs.
Minimumweeksper Semester	15(Includingclasswork,examination,preparationetc.)
Review/Revision	2024-2025
ImplementationYear:	A.Y.2024-2025
Purpose of Course	To understand concepts of computer fundamentals, MS word and MS powerpoint.
CourseObjective	Give basic understanding of computer.
Pre-requisite	Basic knowledge of computer
CourseOutcomes	CO1: Students will be able to learn basic concepts of computer. CO2: Students will be proficient working on Ms word. CO3: Students will be able to represent any topic using powerpoint
Course Outcome	- On completion of the course, the Students will be able to use MS word and Mspowerpoint.. Also they will have basic knowledge of computer and Internet
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 Unit 2: Computer Software 2.1 Types of Software 2.2 Operating System 2.2.1 Uses of Operating System

	<p>2.2.2 Types of Operating System</p> <p>Unit 3: MS Word</p> <p>3.1 Home Tab</p> <p>3.2 Insert Tab</p> <p>3.3 Page Layout Tab</p> <p>3.4 Mailing Tab</p> <p>3.5 View Tab</p> <p>Unit 4: MsPowerpoint</p> <p>4.1 Creating Slides and Slide Layouts</p> <p>4.2 Adding Text, Images, and Multimedia</p> <p>4.3 Using Transitions and Animations</p> <p>Unit 5 : Internet</p> <p>5.1 What is the Internet? Origins and Development</p> <p>5.2 How the Internet Works: IP Addresses, DNS, and Web Servers</p> <p>5.3 Web Browsers: Popular Browsers and Their Features</p> <p>5.4 Search Engines: How to Use Them Effectively</p> <p>5.5 Communication Tools: Email, Instant Messaging, and Social Media</p> <p>5.6 Basics of URL and Web Navigation</p> <p>5.7 Viruses, Malware, Phishing,</p> <p>5.8 E-commerce and Types of e-commerce</p>
Reference Books	<p>1) Computer Fundamentals- by Satish Patel & Bhavin Patel</p> <p>2) Ms office 2007 by Kalpesh Patel Published By :Computer World publication</p> <p>3) Ms office 2007 By SamratPrakashan</p> <p>4) Internet By Yogendra Jani</p>
Teaching Methodology	Class Work, Discussion, Lab work, Self-Study, Seminars and/or Assignments
Evaluation Method	<p>50% Internal assessment.</p> <p>50% External assessment</p>

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) Honors SEMESTER – IV

VAC :104 (A): Sustainable Crop Production and Organic Farming

Credits : 2

Objectives:

To make students aware of need of sustainability in crop introduction and organic farming. It also envisages to create awareness about crops of Gujarat and explain the concept of organic farming.

Unit-I Need for sustainable crop production.

- Fundamental of crop production
- Tillage – Importance & Types
- Fertilizers & Manures
- Role of water in development of plant.

Unit-II Seeds

- Importance, Types and Selection, Seed treatment, Seed Storage and Seed production.

Unit-III Crops of Gujarat

- Cereals - Wheat sorghum, paddy, Maize
- Cash crops – sugar cane, cotton, groundnut, castor.
- Vegetables – Potato, onion, Brinjal, cabbage, Leafy vegetables etc.
- Legumes – moong, urid, pignon pea, chick peas

Unit-IV Organic Farming

- Concept and need of organic farming
- Basic principles of organic farming
- Role of earthworms and other organisms in organic farming
- Compost, wormi compost & wormi wash.

References:

1. Arpita Mukherjee, Souvik Dutta, Tanu M. Goyal (2017) Organic Farming in India Status, Issues and Way Forward. Academic Foundation, New Delhi.
2. Palaniappan SP and Annadurai (2018) Organic Farming: Theory and Practice, Scientific Publishers, Jodhpur.
3. Somsundaram E. and UdhayaNandhini (2017) Traditional Organic Farming Practices. New India Publishing Agency,

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BRS(SD) SEMESTER - IV

VAC :104 (B): Horticulture

Credits : 2

Objectives :

To make students understand the importance of horticulture in human life. This paper will prepare the students in learning & doing various methods of propagation of horticulture crops post harvest technologies and different horticultural crops of Gujarat.

Unit-I Introduction of horticulture

- Primary requirement for cultivating horticulturally important crops- Weather, Water and soil.
- Selection of site
- Green manure and intercropping

Unit-II Methods of propagation

- Through seeds – merits demerits
- Vegetative propagation – different methods
- Tissue culture

Unit-III Treatment and value addition

- Horticulture crops and Bahar (Flowering)
- Thinning, trimming and training
- Value addition – jam, jelly, syrup, pickling & dehydration

Unit-IV Field Visits

References:

1. ICAR (2005) Handbook of Agriculture Indian Council of Agricultural Research, New Delhi.

BACHELOR OF RURAL STUDIES(SD)

SEMESTER -4

AEC-104

Marks -25

Subject : English

(Credit-02)

Objectives:

1. To introduce the students to Indian English Literature.
2. To strengthen the vocabulary of students.
3. To strengthen the grammar capacity and ability of the students.
4. To strengthen the structural capacity of students for grammar.
5. To generate interest of the students for English Literature.

1.Indian English Literatures :-

- **1.The Raj and After :**
 - 1) Subha- Rabindranath Tagor
 - 2) Old Bapu – Mulk Raj Ananad
 - 3) The True Story of Kanakapala – Raja Rao
 - 4) Pigeons at Daybreak- Anita Desai
- **2.Girish Karnad : Tughlaq**
- **3.R.K.Narayan :- Malgudi Days**
 - 1) An Astrologer's Day
 - 2) Gateman's Gift
 - 3) The Blind Dog.
 - 4) The Tiger's Claw

2.Grammar

- 1) Types Of Sentence
- 2) Modal Auxiliary
- 3) Degree Of Comparison
- 4) Question Tag

3.Report Writing

4.Translation (Gujarati to English)

Paper style

- Q-1 (A) Short Question (from prescribe text book) (04 Marks)
(B) Long Question (from prescribe text book) (06 Marks)
Q-2 (A) Identify the types of Sentence. (05 Marks)
(B) Do as Directed. (Modal Auxiliary, Degree of Comparison Question Tag) (05 Marks)
Q-3 (A) Report Writing (03 Marks)
(B) Translation (02 Marks)

Reference books:

1. The Raj and After – Published by : Macmillan India Press Chennai
2. GirishKarnad : Tughlaq Published by Oxford University Press
3. R.K.Narayan :- Published by Indian Thought Publication Madres
4. High School English Grammar -Pub: Oxford University