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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/૨૩૩૫૧/૨૦૨૪
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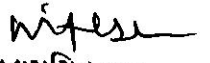
પ્રતિ,
વડાશ્રી,
ડિપાર્ટમેન્ટ ઓફ રૂરલ સ્ટડીઝ,
મહાત્મા ગાંધી ગ્રામઅભ્યાસ બિલ્ડીંગ,
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી,
સુરત.

વિષય :- Five Year Integrated MRS(SD) Sem.- 10 નાં અભ્યાસક્રમ અંગે.

સુજશ્રી,

સવિનય જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૪ - ૨૫ થી અમલમાં આવનાર Five Year Integrated MRS (SD) Sem.-10 નો અભ્યાસક્રમ ગ્રામ અભ્યાસ વિદ્યાશાખાના અધ્યક્ષશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિદ્યાશાખા વતી મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણને એકેડેમિક કાઉન્સિલની તા.૦૧/૦૩/૨૦૨૪ની 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 CM

પ્રતિ,

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

Veer Narmad South Gujarat University, Surat
Mahatma Gandhi Department of Rural Studies
5 year integrated MRS(Sustainable Development) Program
MRS(SD) : Semester: X

COURSE CODE:	COURSE TITLE	Course Credit
MRSSD:10.1	Sustainable Agriculture for Food Security and Nutrition	4
MRSSD:10.2	Gender and Sustainability	4
MRSSD:10.3	Agricultural Economics	4
MRSSD:10.4	Project Management for Sustainable Development Practices	4
MRSSD:10.5	Dissertation Work	8
	Total Credits of Semester : X	24

Veer Narmad South Gujarat University – Surat
Mahtma Gandhi Department of Rural Studies
5 Year Integrated M.R.S. (Sustainable Development) Program
Semester: X

Course Title : Sustainable Agriculture for Food Security and Nutrition

Course code : MRSSD:10.1

Credits: 4

Objective

Sustainable agriculture offers a much-needed alternative to conventional input-intensive agriculture, the long-term impacts of which include degrading topsoil, declining groundwater levels and reduced biodiversity. It is vital to ensure India's food and nutrition security in a climate-constrained world. On successful completion of this course, the students will be able to develop critical understanding about food insecurity and nutritional needs of the people as well as various aspects of sustainable agriculture and its practical implementation to mitigate the effects of climate change on agriculture.

Unit-I: Sustainable agriculture in India

- Concept, Benefit and Goals of sustainable agriculture in India,
- Key challenges for sustainable agriculture in India,
- Adoption of the 2030 Agenda and the SDGs
- Inter-relationship between environment, climate and agricultural (arable agriculture and livestock) and non-agricultural (marine; fresh water; forests) food production

Unit-II: Food Nutrition

- Nutrition in the context of the Sustainable Development Goals
- Agri-Nutri Linkage
- Millets for Nutrition and Climate Action
- Initiatives by GOs, NGOs and CSRs for Nutritional Awareness and Consumption
- Transforming Our Food Systems

Unit-III: Food Security

- Concept of Food Security in India –Brief Overview
- Dimensions of Food Security
- Responsible factors and Consequences of food insecurity
- Issues in Food Security
- Food Security and Government Policies and Programs for Improving Access and Nutrition
- Malnutrition and Food Security
- National Food Security Mission, Food distribution and Safety

Unit-IV: Our Indigenous Wisdom for Sustainable Agricultural Adaptation

- Case Study of Traditional Seed bank and In-Situ Conservation,
- Multi Cropping Pattern Practices (Grain Crops) for food security: Evidence of *Jajamani* Tradition,
- ITKs for Adapting Climate Resilient Agriculture,
- Long-lasting Storing methods of Food Grains

Suggested Readings

1. Food Insecurity Atlas of Rural India (2001) MS Swaminathan Research Foundation and World Food Programme. <http://home.wfp.org/stellent/groups/public/documents/ena/wfp076968.pdf>
 2. Interna W. (2004) Climate Change and India, Universities Press, India.
 3. Reynolds M. P. (2010) Climate Change and Crop Production, CABI Series in Climate Change, Volume I. CABI Publishing, UK.
 4. Wani S.P., Rockstrom J. And Oweis T. eds. (2009) Rainfed Agriculture: Unlocking the Potential, Comprehensive Assessment of Water Management in Agriculture Series (7), CAB International, Wallingford, Oxon, UK.
 5. Food Security in India: Issues and Suggestions for Effectiveness by Anil Chandy Ittyerah Indian Institute of Public Administration New Delhi 2013
 6. Food and Nutritional Security in India Charting: The Way to a Robust Agri-Food System - Department of Economic Analysis and Research National Bank for Agriculture and Rural Development (NABARD) November 2022.
 7. United Nations (UN), General Assembly Report of the Secretary General, A/72/303, 8 August 2017: Agriculture development, food security and nutrition.
 8. https://www.researchgate.net/publication/358536474_Food_Security_and_Nutrition_and_Sustainable_Agriculture_key_points_for_Achieving_SDGs
 9. Tarafdar, J.C., Tripathi, K.P and Mahesh Kumar, 2009. Organic agriculture. Scientific Publishers, India.
 10. Tiwari, V.N., Gupta, D.K., Maloo, S.R and Somani, L.L. 2010. Natural, organic, biological, ecological and biodynamic farming. Agrotech Publishing Academy, Udaipur.
 11. Dushyant Gehlot. 2005. Organic farming- standards, accreditation, certification and inspection. Agrobios, India.
 12. Dr. YadVir Singh, 2022. Organic Farming Practices and Sustainable Agriculture (Volume-7), AkiNik Publications, India
 13. Balasubramanian, R., Balakishnan, K and Siva Subramanian, K. 2013. Principles and practices of organic farming. Satish Serial Publishing House.
 14. Arun K. Sharma. 2002. A Hand book of organic farming. Agrobios, India.
 15. Palaniappan, S.P and Annadurai, K. 1999. Organic farming-Theory and Practice. Scientific publishers, Jodhpur, India.
 16. Mukund Joshi and Prabhakarasetty, T.K. 2006. Sustainability through organic farming. Kalyani publishers, New Delhi.
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Veer Narmad South Gujarat Univeristy, Surat

Mahatma Gandhi Department of Rural Studies

5 year integrated MRS(Sustainable Development) Program

Title of Course: Gender and Sustainability

Course Code: MRSSD:10.2

Semester: X

Unit 1 - introduction of Gender

- Concept of Gender, Gender Equality
- Women In History & Women's Struggle And Movements
- Women Empowerment – Meaning Concept, Nature And Need
- Paradigm Shift From Women Well-Being To Women's Empowerment
- Gender Related Development Index, Gender Empowerment Measures

Unit 2 - Gender And MDG, SDG

- MDG And Goals Related To Gender - MDG 3: Promote Gender Equality And Empower Women, MDG 5: Improve Maternal Health, MDG 6: Combat Hiv/Aids, Malaria, And Other Diseases
- Achievement Of MDG3, MDG 5 And MDG 6 – Indian And International Context
- SDG And Goals Related To Gender – SDG 5
- Progress In SDG 5 - Indian And International Context

Unit3 - Women Employment in india

- employment Generation Schemes
- Approaches and Access to Credit From traditional form of credit to micro credit
- micro finance Revolution
- SHGs and Economic Empowerment

Unit 4 - Indian Constitution Relating to Women and Legal Rights

- Fundamental Rights
- Directive principles and fundamental duties related to women
- Laws' related to Marriage, Divorce and maintenance
- Inheritance of property
- Dowry prohibition Act
- Domestic violence Act

REFERENCE :

Susie, T and Tejaswini Niranjana. 1999. 'Problems for a contemporary theory of gender' in N. Menon (ed.) Gender and Politics in India. New Delhi: Oxford University Press. (Pages 494-525)

Abu-Lughod, L. 2002. 'Do Muslim Women Really Need Saving?: Anthropological Reflections on Cultural Relativism and its Others', in American Anthropologist 104 (3). (Pages 783-790).

Kumar, R. 1999. 'From Chipko to Sati: The Contemporary Indian Women's Movement', in N. Menon (ed.) Gender and Politics in India. New Delhi: Oxford University Press. (Pages 342-369)

Ghosh, A. (ed.). 2007. Behind the Veil: Resistance, Women and the Everyday in Colonial South Asia. Ranikhet: Permanent Black

Weeks, J., Donovan, C. and Heaphy, B. 1999. 'Everyday Experiments: Narratives of Non-heterosexual Relationships', in E. B. Silva and C. Smart (eds.) The New Family?. London: Sage. (Pages 83-99)

<https://www.un.org/millenniumgoals/> - ABOUT MILLENNIUM DEVELOPMENT GOALS

<https://sdgs.un.org/publications/millennium-development-goals-report-2015-17921> - MDG REPORT 2015

<https://sdgs.un.org/goals> - ABOUT SUSTAINABLE DEVELOPMENT GOAL

Veer Narmad South Gujarat University, Surat
Mahatma Gandhi Department of Rural Studies
5 year integrated MRS(Sustainable Development) Program
MRS (SD) – Semester: X

Course Title: Agricultural Economics

Course Code: MRSSD : 10.3

Credit: 4

	Contents	Hours: 40
Unit:1	<ul style="list-style-type: none"> - Agriculture And Economic Development, - Definition and scope of Agriculture Economics <ul style="list-style-type: none"> – Agriculture in a growing Economy – Subsistence Agriculture and its Modernization – Interdependence between Agriculture and Industry – Farming System : Traditional, Subsistence, Commercial, co-operative, Collective and State farming – Role of Agriculture in Economic development of a Nation. 	10
Unit:2	<p>Agriculture Production In India, Features of Indian Agriculture : Farm size, and productivity relationship in Indian Agriculture</p> <ul style="list-style-type: none"> – Extent of Employment and unemployment in Agriculture – – Technical change and Labour adsorption – Agricultural wages – women in Agriculture – Wage discrimination. 	10
Unit:3	<p>Factors Affecting Agriculture Growth And Productivity, Size of land holdings</p> <ul style="list-style-type: none"> – Land Reforms – Supply of Inputs : Irrigation, Power, Seed and Fertilizer – Pricing of Inputs – Social forestry and Environment – Determination of theprices of Agricultural commodities – Agricultural prices policy in India – Crop Insurance 	10
Unit:4	<p>Challenges to Indian agriculture, trends in agricultural development under the 5 year plans</p> <ul style="list-style-type: none"> - Policy and Programmes for agricultural development - Green revolution and its impact, sustainable agriculture new agricultural policy - Agricultural credit in India – demand and supply for agricultural credit - Agricultural market in india – structure and function, market failures and state intervention - World trend organization and Indian agriculture 	10

References:

1. Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
2. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi.
3. Dandekar V.M (1994), The Indian Economy 1947-1992, Vol I Agriculture, Sage
4. Dantwala, M.L. et.al (1991), Indian Agricultural Development Since Independence, Oxford & IBH, New Delhi.
5. Desai R.G (1998), Agricultural Economics [models, Problems and policy issue],
6. Government of India (1976), Report of the National Commission on Agriculture, New Delhi.
7. Government of India, Economic Survey (Annual), New Delhi.
8. Gulati, A. and T. Kelly (1999), Trade Liberalization and Indian Agriculture, Oxford University Press, New Delhi.
9. Tyagi B.P. (2002), Agricultural Economics and Rural development, Jaiprakash

Veer Narmad South Gujarat University, Surat
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5 year integrated MRS(Sustainable Development) Program
MRS(SD) – Semester: X

Course title: Project Management for Sustainable Development Practices

Course code : MRSSD:10.4

Credits : 4

Objectives: Objectives of this course are to:

1. Understand the basics of project management and its role in facilitating economic growth and prosperity in the country.
2. Gain insights into markets and understand the feasibility of projects.
3. Understand and analyse the economic viability of projects.
4. Enable the students to plan and schedule project tasks.
5. Equip students to be able to monitor and control projects.

UNIT-I Introduction to Project Management

Projects, Project Management, Objectives and Importance of Project Management, Tools and Techniques for Project Management, Project Team, Roles and Responsibilities of Project Manager, Determinants of project success; phases of project life cycle, classification of projects; generation of project ideas; preliminary screening.

UNIT-II Project Identification and Selection

Generation of ideas, Pre-feasibility Report, Stages of Project Feasibility Analysis, Social Analysis, Approaches to Project Screening and Selection, Project Rating Index. Pre-feasibility Report, Project Risk Management: Concepts and Types of Project Risks, Risk Identification, Risks Analysis, Risks Mitigation Strategies.

UNIT-III Financial Analysis

Fundamental components of Project Cost, Types of Costs: Direct, Indirect, Recurring, Non Recurring, Fixed, Variable, Normal, Expedite costs Methods of budgeting – Project cost estimation – Improving cost estimates – Budget uncertainty and risk management – Scheduling the project – Gantt chart – Resource allocation and loading – Social Cost Benefit Analysis (SCBA) of Project: Concept & significance of SCBA, Approaches to SCBA.

UNIT-V Project Control

Monitoring the project – Control cycle – Project control – Designing the control system – Evaluation of project: Milestone Analysis and Tracking Gantt chart. Earned Value Analysis (EVA): Planned Value (PV), Earned Value (EV), Cost Variance (CV), Schedule Variance (SV), Cost performance Index (CPI), Schedule performance Index (SPI) – Project auditing – Project termination

Text books

1. Larsen, E.W., Gray C.F., & Joshi, R. (2021). Project management: The Managerial process. McGraw Hill.
2. Chandra, P. (2019). Projects: Planning, Analysis, Selection, Financing, Implementation and Review. McGraw Hill.

Reference Books

1. Nagarajan, K. (2017). Project Management. New Age International Pvt. Ltd.
2. Paneerselvam, R., & Senthilkumar, P. (2013). Project Management. Prentice Hall India Learning Pvt. Ltd.
3. Pinto, J.K. (2020). Project Management. Global EduTech.
4. Desai, V. (2016). Project Management. Himalaya Publishing House.

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5 year integrated MRS(Sustainable Development) Program
MRS(SD) : Semester: X

Course Title: Dissertation Work

Course Code: MRSSD : 10.5

Credit: 8

Program: MRSSD	Academic Year: 2024-25
Course Objective	<ol style="list-style-type: none"> 1. To enhance the practical knowledge and data analysis skills. 2. To enable the students experience a real-life problem solving under the supervision of faculty members. 3. To train the students in scientific and systematic research. 5. Develop research/ survey skills as well as enhancing project/report writing and oral presentation skills 6. Inculcate team spirit and time management.
Section	Description
Title page	The opening page includes all relevant information about the Dissertation.
Contents	A list of chapters and figures from your Dissertation Report.
MRS(SD) dissertation or thesis Organized into chapters as bellow	
Chapter 1 – Background/Introduction	A description of the rationale behind your Dissertation work.
Chapter 2 –Review of Related Literature	A summary and evaluation of the literature supporting your Dissertation.
Chapter 3 – Research Methodology and sampling, tools and techniques of Data collection	A description of the specific methodology, sampling and tools and techniques of data collection used in your Dissertation.
Chapter 4 - Data Processing, Data analysis, Interpretation	An overview of the uses techniques of data processing and analysis as well as interpretation of the research data
Chapter 5 - Discussion and Generalization	A description of the discussion and generalization your research study.
Chapter 6 - Findings	A description of what you can draw from the data analysis and discussion and key findings from your research.
Chapter 7 - Conclusion	Main summary of your overall Dissertation
Bibliography/References	A list of the references cited in your dissertation or thesis etc.
Appendices	Additional materials used in your research.