

FACULTY OF RURAL STUDIES
BHAKTA KAVI NARSINH MEHTA UNIVERSITY – JUNAGADH
BRS PROGRAMME HONOURS AS PER NEP – 2020, UGC GUIDELINES & SOP
BRS SEMESTER – 8

Sr. No.	Course Category	Course Name	CCE	SEE	Total Marks	Credit (Th+Pra)	Total Credit
1	Discipline Specific Core Major - 20	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
2	Discipline Specific Core Major - 21	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
3	Discipline Specific Core Major - 22	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
4	Discipline Specific Elective Minor- 8	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
		Rural Industrilization	50	50	100	4+0	
5	On Job Training OJT- 802 (Relevant to Major Subject)	1. Agronomy	75	75	150	0+6	6
		2. Horticulture & Forestry	75	75	150	0+6	
		3. Animal Husbandry	75	75	150	0+6	
		4. Rural Extension	75	75	150	0+6	
							<u>22</u>

FACULTY OF RURAL STUDIES
BHAKTA KAVI NARSINH MEHTA UNIVERSITY – JUNAGADH
BRS PROGRAMME RESEARCH AS PER NEP – 2020, UGC GUIDELINES & SOP
BRS SEMESTER – 8

Sr. No.	Course Category	Course Name	CCE	SEE	Total Marks	Credit (Th+Pra)	Total Credit
1	Discipline Specific Core Major - 20	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
2	Discipline Specific Core Major - 21	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
3	Discipline Specific Core Major - 22	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
4	Discipline Specific Elective DSE – 808 Minor- 8	1. Agronomy	50	50	100	4+0	4
		2. Horticulture & Forestry	50	50	100	4+0	
		3. Animal Husbandry	50	50	100	4+0	
		4. Rural Extension	50	50	100	4+0	
		Rural Industrilization	50	50	100	4+0	
5	Research Project RP- 801 (Relevant to Major Subject)	1. Agronomy	75	75	150	0+6	6
		2. Horticulture & Forestry	75	75	150	0+6	
		3. Animal Husbandry	75	75	150	0+6	
		4. Rural Extension	75	75	150	0+6	
							<u>22</u>

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 20		Agronomy	4+0	50	50	100	2 Hrs.

Title: Research Design in Agriculture

Course Objectives:

1. Students should know about the selection of site for experiments and uniformity trials
2. To aware the students about principles of experimental design
3. Students should be aware about the simple design of experiments
4. Students should know the methods and preparation of questionnaire.
5. The student should aware about to collect the sample, methods of sampling from the field and its analysis.

Course Outcomes:

Understand Research Fundamentals: Students will be able to understand the fundamental principles of scientific research and identify significant research problems within the agricultural sector.

Select Experimental Designs: Learners will be able to select and construct appropriate experimental designs, such as Randomized Block Design (RBD) or Latin Square Design (LSD), tailored to specific field conditions.

Apply Sampling Techniques: Students will demonstrate the ability to apply suitable sampling techniques and data collection methods to ensure accuracy in field and laboratory experiments.

Analyze Data: The course will enable students to perform statistical analysis using tools like ANOVA and regression to interpret agricultural data effectively.

Evaluate Results: Students will learn to critically evaluate experimental results and draw logical conclusions to address agricultural challenges.

Develop Research Reports: Finally, students will be capable of writing structured research proposals and technical reports to communicate their scientific findings clearly.

Theory:-

Unit:-1 Questionnaire: - 20%

- 1.1 Definition and meaning of questionnaire
- 1.2 Characteristics of questionnaire
- 1.3 Merits of demerits of questionnaire
- 1.4 kinds of questionnaire

Unit:-2 Sampling and observations 20%

- 2.1 What is sampling
- 2.2 Importance of sampling
- 2.3 Methods of sampling
- 2.4 observations & its importance
- 2.5 Importance observation taken during experimentation for major field crops

Unit:-3 Some important definitions used in field experiments design, objectives and types of field experiments, uniformity trial and principles of field experiments. 20%

Unit:-4 Field experimental design: - 20%

- 4.1 Aims and classification of experimental design and uniformity trials
- 4.2 Simple designs of experiments
- 4.3 Paired design of experiment
 - 4.3.1 Completely Randomized Design
 - 4.3.2 Randomized Block Design
 - 4.3.3 Latin Square Design

Unit:-5 Care to be taken during field experiments 20%

References:-

1. “*Kshetra Prayog ni Karya Paddhati*” (Gujarati Edition)
 - Dr. Ambalal Sendhabhai Patel & Shri Mahesh Ramnikbhai Vaishnav
2. Agricultural Statistics in India
 - P.C.Bansil
- 3 Field Experimental Deisng.
 - Chandel R.S.
4. “*Samajik Sansodhan Paddhatio*” (Gujarati Edition)
 - A.G. shah & J.K. Dave

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 20		Horticulture & Forestry	4+0	50	50	100	2 Hrs.

Title: High - Tech nursery Management

Course Objectives:

- 1 To understand modern Nursery Technology
- 2 To develop skill for Nursery Systems
- 3 To learn different Propagation Methods
- 4 To create self Employments

Course Outcomes

Ideally, this course transforms students into skilled professionals capable of managing nursery. students get job in government and privet field .

Course Content

Unit-1 Introduction to nursery management 20%

- Definition, importance,scope and types of nursery

Unit-2 Site selection and nursery planning 20%

- Criteria for site selection,layout planning,mother block, prpegation units,hardening units

Unit-3 Protected structure in high tech nursery 20%

- Types of structure,mist chembers,environment control

Unit-4 growing media and containers 20%

- Types of media,good cherecters of media,sterilizations and types of containers
- Showing ,planting, irrigation and plant protection in nursery

Unit-5 Plant protection measures in nursery 20%

- Insects and pest and its management
- Diseases and its management

Refrence:

- 1 Nursery management practices- by. P. K. Yadav
- 2 Fundamental of horticulture – by. J. B. Edmond
- 3 Protected cultivation of horticulture crops- by. T. K. bose

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Cred its	CCE	SEE	Total Marks	SEE Durati on
B.R.S.	8	MAJOR - 20		ANIMAL HUSBANDRY	4+0	50	50	100	2 Hrs.

Title: Research & Biotechnology

Objectives:

1. To understand the meaning and uses of Biotechnology in general.
2. To understand latest techniques like multiple ovulation, embryo transfer, genetic engineering, cloning, test tube baby and transgenic animals and their uses.
3. To understand present and future implications of such techniques.
4. To know research and discovery, their types and uses.

Outcomes:

1. To get the meaning and uses of Biotechnology in general.
2. To get latest techniques like multiple ovulation, embryo transfer, genetic engineering, cloning, test tube baby and transgenic animals and their uses.
3. To get present and future implications of such techniques.
4. To get research and discovery, their types and uses.

Course Content

Unit: 1 What is biotechnology: its uses in domestic animals. Multiple ovulation and Embryo Transfer Technology: steps and their merits-demerits & genetic engineering.20%

Unit: 2 Transgenic animals: history and methods used and their uses. 20%

Unit: 3 Cloning: method and its uses, dolly sheep produced by cloning. Test tube baby: method and uses. 20%

Unit: 4 What is research, its types and broad areas? 20%

Unit: 5 Discovery; types and uses. 20%

Reference Books:

1. A text book of animal husbandry – G.C. Banerjee
2. A hand book of animal husbandry – I.C.A.R.
3. Animal genetics and breeding – BAIF
4. The artificial insemination of farm animals – E.J. Perry.
5. Animal management: introduction animal science – James J. Kiser
6. Domestic animal – Harbans Singh
7. Dairying in India a review – D.N. Kharady

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 20		Rural Extension	4+0	50	50	100	2 Hrs.

Title : Rural Development - 2

Course Objectives

- 1) Explain the history of rural development and provide information on various programs.
- 2) Develop an understanding of the organizations working at the local level.
- 3) Provide information about various schemes for agricultural and animal husbandry development.

Course Outcomes:

- 1) Explain the history of rural development and get information on various programs.
- 2) Develop an understanding of the organizations working at the local level.
- 3) To get information about various schemes for agricultural and animal husbandry development.

Course Content

Unit 1	Economic Development and Economic Growth	(20%)
Unit 2	Economic Systems in Rural India	(20%)
Unit 3	Economic Activities through Community Development Programs	(20%)
Unit 4	Sustainable and Viable Development	(20%)
Unit 5	Government Approaches, Policies, and Programs for Rural Development	(20%)

References:

1) Rural Social Institutions of India (ભારતની ગ્રામીણ સામાજિક સંસ્થાઓ)

Author: Shah and Joshi (શાહ અને જોષી)

2) Agricultural Economics (કૃષિ અર્થશાસ્ત્ર) - Author: Mahesh Joshi (મહેશ જોષી)

3) Rural [Development] of India (ભારતનું ગ્રામીણ...) - Author: Babulal (બાબુલાલ)

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 21		Agronomy	4+0	50	50	100	2 Hrs.

Title: - Crop Pest and Diseases - II

Objectives:-

1. To study the pest and disease damaged to field crops
2. To identify and to know control measures of different pest and diseases of the field crops
3. To know the nature of damage of insect and symptoms of diseases

Course Outcomes :-

1. To get the pest and disease damaged to field crops
2. To get and to know control measures of different pest and diseases of the field crops
3. To get the nature of damage of insect and symptoms of diseases

Course Content

Unit : 1. The concept of biological control of insect **10%**

Unit : 2. Detailed marks of identification, host range, nature of damage of important field crops like. **20%**

- Wheat
- Sugarcane
- Castor
- Rice
- Gram

Unit : 3 Detailed integrated insect management of important field crops like. 30%

- Wheat
- Sugarcane
- Castor
- Rice
- Gram

Unit : 4 Occurrence, economic importance, symptoms, favorable weather conditions of diseases of important field crop like. 20%

- Wheat
- Sugarcane
- Castor
- Rice
- Gram

Unit : 5 Detailed control measures of important field crop like. 20%

- Wheat
- Sugarcane
- Castor
- Rice
- Gram

Practical :

Field visit to study different insect damage and disease symptoms of above mentioned crops and dry preservation of insect damage parts of plant and damaged parts of plants by diseases.

References:

1. Principles and procedures of plant protection (Third edition) - S.B.Chattopadhyay
2. Biology of insect - S.C.Saxena
3. General Entomology (Third edition) - M.S. Mani
4. Sampurna pak sarakshan (Part-1) - Babubhai Avarani
5. Sampurna pak sarakshan (Part-2) - Babubhai Avarani
6. Introduction to Principles of Plant Pathology - R.S.Singh
7. Diseases of crop plants in India - G. Rangaswami
8. Plant Diseases (Sixth edition) - R.S.Singh

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 21		Horticulture & Forestry	4+0	50	50	100	2 Hrs.

Title : Post Harvest Handling of horticulture crops

Objectives

- 1) Students learn how to enhance shelf life of crops
- 2) Learn how to minimise crop losses
- 3) Learn how to make value added products
- 4) Create self employments

Course Out comes

- **Identify maturity indices** to determine the optimal harvest time for different fruits, vegetables, and flowers.
- **Analyze the biological processes** driving deterioration, including respiration, transpiration, ethylene evolution, and senescence.
- **Evaluate post-harvest losses** by identifying mechanical, pathological, and physiological causes.
- **Implement handling techniques** such as proper sorting, grading, pre cooling, chemical treatments, and packaging
- **Design storage strategies** using appropriate temperature, humidity, and atmospheric controls (like modified or controlled atmosphere storage).
- **Apply value-addition methods** to process surplus produce into stable products like jams, jellies, pickles, and dehydrated goods.

Course Content

Unit-1 harvesting and fieldhandlings

20%

- Maturity indices
- Time of harvesting
- Method of harvesting

Unit-2 post harvest treatments	20%
● Pre-cooling ● Cleaning and shorting ● Chemical treatments ● Waxing ● Hormones treatments ● Packing and handling	
Unit-3 storage and cold chain management	20%
● Cold storage ● Control atmospheric storage ● Using refrigerated trucks for transportation	
Unit-4 value addition of crops	20%
● drying/dehydretion ● Canning and bottling ● Minimal processing	
Unit-5 value added products of horticulture crops	20%
● Jam ,catchup, potato vefar,mango pulp, amature powedar etc	

Referance

1. FALPAKO (GUJRATI EDITION MARCH-2013) G,A,U, JUNAGADH
2. ADVANCE TECHNOLOGY IN HORTICULTURE----K.R. BHARAD
3. PLANT GROWTH REGULATION-----K.R. BHARAD
4. HORTICULTURE A BASIC AWARENESS---BANDENDISTEL R. F.(1982).

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 21		Animal Husbandry	4+0	50	50	100	2 Hrs.

Title : Animal Feeds and Nutrition

Course Objectives:

1. To learn importance of feed's and Nutrition.
2. To understand the concentrates.
3. To understand the Animal Nutrition.

Course Outcomes :

1. To get importance of feed's and Nutrition.
2. To get the concentrates.
3. To get the Animal Nutrition.

Course Content

Unit 1: Composition and classification of feed stuffs :- Roughages : Dry and Succulent. 20%

Unit 2: Concentrates:- Energy rich and protein rich:- Energy rich concentrates 20%

Unit 3: Protein rich concentrates : Plant, Animal & NPN feed stuffs. 20%

Unit 4: Unconventional Livestock feeds in India 20%

Unit 5: Nutrients of feeding stuffs and animal body : water, carbohydrates, protein, Lipids and minerals. Feed supplements and buy pass proteins. 20%

Suggested Readings / References:

1. Animal Feed (Practical) - Authors : B. M. Patel, N. S. Radadiya
2. Animal Feed - Authors : B. M. Patel, N. S. Radadiya
3. Animal Nutrition - Maynard & Loosli
4. Animal Nutrition – A.C. Chaudhary
5. Gaudarshan – Pashuposhan Visheshank

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 21		Rural Extension	4+0	50	50	100	2 Hrs.

Title: Rural Development Programme

Course Objectives:

1. To increase awareness of Five-Year Plans in rural areas.
2. To enhance developmental programmes in tribal areas.
3. To obtain information about various ongoing schemes in rural areas.

Course Outcomes:

1. To get awareness of Five-Year Plans in rural areas.
2. To get developmental programmes in tribal areas.
3. To obtain information about various ongoing schemes in rural areas.

Course Content:

Unit 1: Schemes for the development of farmers in tribal areas and scheduled tribes.	20%
Unit 2: Schemes for water and land conservation.	20%
Unit 3: Schemes for the development of backward classes.	20%
Unit 4: Schemes for mechanization in agriculture.	20%
Unit 5: Approach, objectives, and achievements of the last Five-Year Plan concerning rural development.	20%

Suggested Readings / References:

1. Development and Environmental Economics — Dr. Mahesh Joshi
2. Rural Sociology - Dr. M. G. Shah / J. K. Dave
3. Agricultural Economics — Dr. Mahesh Joshi

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 22		Agronomy	4+0	50	50	100	2 Hrs.

Title : Foundations of Sustainable Agriculture

Course Objectives

1. You will be study to create a plan for sustainable farming.
2. You will be study to evaluate the soil and water.
3. You will be study to implement IPM at a low cost.
4. You will be study to prepare a plan for a small agri - startup.

Course Learning Outcomes

1. You will be able to create a plan for sustainable farming.
2. You will be able to evaluate the soil and water.
3. You will be able to implement IPM at a low cost.
4. You will be able to prepare a plan for a small agri-startup.

Course Content:

Unit 1: Foundations of Sustainable Agriculture

20%

- 1.1 Definition of sustainable agriculture and 3 pillars: economic, social, environmental
- 1.2 Comparison of traditional vs chemical vs regenerative farming Agricultural
- 1.3 challenges of Gujarat: salinity, water scarcity, debt

Unit 2: Soil Health and Carbon Management

20%

- 2.1 Soil types, SOC - Soil Organic Carbon and its importance
- 2.2 Compost, vermicompost, jeevamrut,
- 2.3 Crop rotation, and cover crop.
- 2.4 Soil testing and parameters of carbon sequestration

Unit 3: Water Conservation and Climate Smart Techniques

20%

- 3.1 Rainwater harvesting, check dams, farm ponds
- 3.2 Drip, mulching, zero tillage, and conservation agriculture
- 3.3 Drought-tolerant crops and varieties
- 3.4 Weather-based farming advice and forecast

Unit 4: Agro ecology and Natural Crop Protection

20%

4.1 Principles of Agro ecosystem and Food Web - Understanding the farm's ecosystem and natural food chains.

4.2 IPM (Integrated Pest Management) - Biological control using friendly insects, pheromone traps, and neem-based formulations.

4.3 Conservation of Pollinators and Beneficial Insects

4.4 Conservation of Indigenous Seeds and Seed Banks

Unit 5: Market, Value Addition, and Rural Entrepreneurship

20%

5.1 Organic Certification - Understanding the certification processes for NPOP (National Programme for Organic Production) and PGS (Participatory Guarantee System).

5.2 FPO, Contract Farming, and Direct Marketing - Learning about Farmer Producer Organisations, corporate farming agreements, and direct-to-consumer sales.

5.3 Processing - Creating value-added products like pickles, powders, and other processed items from raw yields.

5.4 Government Schemes - Accessing benefits from PKVY (Paramparagat Krishi Vikas Yojana), NMSA (National Mission for Sustainable Agriculture), and agricultural subsidies.

Reference Books :-

1) "Sustainable Agriculture: Principles and Practices" by C. Thapa

2) "The One-Straw Revolution" by Masanobu Fukuoka

3) S.P.K. Book by – Subhash Palekar

4) "Package of Practices for Organic Farming" published by Anand Agricultural University (AAU) / Navsari Agricultural University (NAU)

5) "Operational Guidelines for PKVY and PGS-India" by the Ministry of Agriculture & Farmers Welfare, Government of India

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 22		Horticulture & Forestry	4+0	50	50	100	2 Hrs.

Title: Forest and Forest Management

Course Objectives

1. Students learns importance of forest
2. Learn how to minimise forest losses
3. Learn how to grow forest plants
4. To create self employments by nursery

Course Learning Outcomes

- **Resource Measurement:** Learn how to use special tools and math to measure tree height, trunk width, and overall forest size.
- **Sustainable Planning:** Discover how to plan harvests while ensuring new trees grow back, keeping the forest healthy for the future.
- **Ecosystem Protection:** Understand the role of forests in cleaning the air, storing carbon to fight climate change, and providing homes for wildlife.
- **Community Forestry:** Learn about teamwork between the government and local villages to protect and share the benefits of the woods

Course Content:

Unit-1 Introduction of Forest	20%
• Definition and types • Forest function • Status of forest	
Unit-2 Silviculture and Forest Ecology	20%
• Silviculture systems • Forest mensuration • Tending forest operations	
Unit-3 Forest Protection	20%
• Abiotic threats • Biotic threats	

Unit-4 Forest Policy and Laws	20%
● Forest policies ● Legislation ● Community involvement	
Unit-5 Information about Important forest plants	20%
● Teac,bamboo,kher etc	

Suggested Readings

1. FOREST IN INDIA ---V.P. AGRAVAL
2. Forest IN INDIA –A.P.DWIVEDI
3. A TEXTBOOK OF SILVICULTURE-----A.P. DWIVEDI
4. VAN CHETNA -DEPT OF FOREST GUJARAT

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 22		Animal Husband ry	4+0	50	50	100	2 Hrs.

Title: Dairy Industry

Objective:

1. To Understand the importance of dairy industry.
2. To Know various dairy industry problems and how to overcome from them.
3. To know how one could help to village for preservation of milk and milk products.

Course Learning Outcomes

1. Explain the theoretical framework of rural industrialisation and its impact on the economy.
2. Classify different types of agro-based and cottage industries.
3. Evaluate the role of government agencies (like NABARD, KVK) in promoting rural industries.
4. Create strategies to overcome challenges related to marketing, finance, and technology in rural sectors.

Course Content:

Unit 1. Importance of dairy industry , Milk Production in the Gujarat & India : An overview Milk consumption & availability per capita	20%
Unit 2. Milk types and their specifications, Sources of Contamination of milk and control measures.	20%
Unit 3. Milk testing: society level and dairy level	20%
Unit 4. Storage of milk: method and advantages: Heating, chilling and by adding preservatives	20%

Unit 5. Diseases transmitted through milk and their preventive measures , Adulteration in milk and its test: Adulterants used and their testing methods. 20%

Suggested Readings

1. Rural Industrialisation in India – by B.K. Singh
 2. Agro-Industrial Development in India – by S.N. Misra
- Entrepreneurship Development – by S.S. Khanka

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MAJOR - 22		Rural Extension	4+0	50	50	100	2 Hrs.

Title : Social Research - 2

Course Objectives

The primary objectives of this course are:

1. To identify social problems and gain information about them.
2. To develop a general understanding of social research.
3. To obtain information about the methodologies of social research.

Outcomes:

1. To get social problems and gain information about them.
2. To develop a general understanding of social research.
3. To obtain information about the methodologies of social research.

Course Content:

Unit 1: Use and Importance of library in research	20%
Unit 2: Observation method	20%
Unit 3: Questionnaire method	20%
Unit 4: Interview Method	20%
Unit 5: Data presentation and research report writing	20%

Recommended References

1. Rural Sociology and Rural Development - Akshaykumar Desai
2. Social Research - Dr. J. K. Shah and J. K. Dave

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Cred its	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	MINOR – 8		Agronomy	4+0	50	50	100	2 Hrs.

Title: Prakritik Kheti (Natural Farming)

Course Objectives

1. To introduce the philosophy and historical evolution of Prakritik Kheti in India.
2. To provide technical knowledge on the four pillars of Natural Farming (Beejamrit, Jeevamrit, Acchadana, and Whapasa).
3. To understand soil health as a living entity and the role of the soil microbiome.
4. To equip students with ecological pest and disease management skills without synthetic chemicals.
5. To explore the economic sustainability and marketing potential of natural produce.

Course Outcomes

1. Explain the ecological and economic benefits of transitioning from chemical to natural farming.
2. Prepare on-farm bio-inputs like Beejamrit and Jeevamrit independently.
3. Design a multi-cropping farm model that ensures year-round income and soil cover.
4. Diagnose pest issues and apply appropriate natural decoctions for management.
5. Apply for PGS certification and develop a marketing strategy for "Chemical-Free" products.

Course Content:

Unit 1: Philosophy and Principles of Natural Farming

20%

- 1.1 History & Evolution:- Traditional Indian agriculture vs. Green Revolution impacts; contribution of pioneers like Masanobu Fukuoka and Subhash Palekar.
- 1.2 Core Concepts:- Definition of Prakritik Kheti; difference between Organic Farming and Natural Farming.
- 1.3 The Ecosystem Approach:- Relationship between soil, plants, animals, and humans; principles of Panchamahabhuta (Earth, Water, Fire, Air, Ether) in agriculture.

Unit 2: The Four Pillars of Prakrutik Kheti

20%

- 2.1 Beejamrit (Seed Treatment):- Importance of microbial coating of seeds; preparation and application.
- 2.2 Jeevamrit (Microbial Culture):- Role of indigenous cow dung and urine; preparation of liquid and solid (Ghan-Jeevamrit) formulations; mechanisms of nutrient mobilization.
- 2.3 Acchadana (Mulching):- Types of mulching (Soil, Straw, and Live mulching); role in moisture retention and weed suppression.
- 2.4 Whapasa (Moisture-Air Balance):- Understanding soil aeration; water management through the Whapasa condition.

Unit 3: Soil Health and Nutrient Management

20%

- 3.1 Living Soil:- Understanding the soil microbiome, earthworms, and mycorrhizae.
- 3.2 Nutrient Cycling:- Role of leguminous crops and pulse integration; nitrogen fixation and green manuring.
- 3.3 Liquid Bio-inputs:- Preparation of Saptadhanyankur ark (seven-grain sprout extract) and other liquid manures.

Unit 4: Ecological Plant Protection

20%

- 4.1 Preventative Measures:- Light traps, yellow sticky traps, and bird perches.
- 4.2 Natural Formulations:- Preparation and use of Neemastra, Agniastra, Brahmastra, and Dashparni Ark.
- 4.3 Disease Management:- Use of sour buttermilk (Saur Chhash) and ginger-garlic extracts; promoting beneficial predatory insects.

Unit 5: Farming Systems and Economic Sustainability

20%

- 5.1 Cropping Models:- Multi-cropping, intercropping, and border cropping systems; 5-tier horticulture models.
- 5.2 Livestock Integration:- The central role of the Indian Desi Cow in the farming system.
- 5.3 Economics & Certification:- Cost-benefit analysis (Input cost reduction); Participatory Guarantee System (PGS) for certification; marketing of natural produce and Farmer Producer Organizations (FPOs).

References

1. NITI Aayog (2026). Training Manual: Empowering Farmers through Natural Farming Best Practices.
2. ICAR (Indian Council of Agricultural Research). Syllabus for Undergraduate Programme: Natural Farming.
3. Fukuoka, M. The One-Straw Revolution: An Introduction to Natural Farming.
4. Palekar, S. The Philosophy of Prophetic Nature Farming.
5. National Centre for Organic and Natural Farming (NCONF). Technical Manual on Bio-input Preparations.

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CC E	SE E	Total Marks	SEE Durati on
B.R.S .	8	Minor – 8		Animal Husbandry	4+0	50	50	100	2 Hrs.

Title: Research & Biotechnology

Objectives:

1. To understand the meaning and uses of Biotechnology in general.
2. To understand latest techniques like multiple ovulation, embryo transfer, genetic engineering, cloning, test tube baby and transgenic animals and their uses.
3. To understand present and future implications of such techniques.
4. To know research and discovery, their types and uses.

Outcomes:

1. To get the meaning and uses of Biotechnology in general.
2. To get latest techniques like multiple ovulation, embryo transfer, genetic engineering, cloning, test tube baby and transgenic animals and their uses.
3. To get present and future implications of such techniques.
4. To get research and discovery, their types and uses.

Course Content

- Unit: 1 What is biotechnology: its uses in domestic animals. Multiple ovulation and Embryo Transfer Technology: steps and their merits-demerits & genetic engineering.20%
- Unit: 2 Transgenic animals: history and methods used and their uses. 20%
- Unit: 3 Cloning: method and its uses, dolly sheep produced by cloning. Test tube baby: method and uses. 20%
- Unit: 4 What is research, its types and broad areas? 20%
- Unit: 5 Discovery; types and uses. 20%

Reference Books:

1. A text book of animal husbandry – G.C. Banerjee
2. A hand book of animal husbandry – I.C.A.R.
3. Animal genetics and breeding – BAIF
4. The artificial insemination of farm animals – E.J. Perry.
5. Animal management: introduction animal science – James J. Kiser
6. Domestic animal – Harbans Singh
7. Dairying in India a review – D.N. Kharady

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Cred its	CC E	SEE	Total Marks	SEE Durati on
B.R.S .	8	Minor – 8		Horticultu re & Forestry	4+0	50	50	100	2 Hrs.

Title: High - Tech nursery Management

Course Objectives:

1. To understand modern Nursery Technology
2. To develop skill for Nursery Systems
3. To learn different Propagation Methods
4. To create self Employments

Course Outcomes

Ideally, this course transforms students into skilled professionals capable of managing nursery. students get job in government and privet field.

Course Content

Unit-1 Introduction to nursery management 20%

- Definition, importance,scope and types of nursery

Unit-2 Site selection and nursery planning 20%

- Criteria for site selection,layout planning,mother block, prpegation units,hardening units

Unit-3 Protected structure in high tech nursery 20%

- Types of structure,mist chembers,environment control

Unit-4 growing media and containers 20%

- Types of media,good cherecters of media,sterilizations and types of containers
- Showing ,planting, irrigation and plant protection in nursery

Unit-5 Plant protection measures in nursery 20%

- Insects and pest and its management
- Diseases and its management

Refrence:

- 1) Nursery management practices- by. P. K. Yadav
- 2) Fundamental of horticulture – by. J. B. Edmond
- 3) Protected cultivation of horticulture crops- by. T. K. bose

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	Minor - 8		Rural Extension	4+0	50	50	100	2 Hrs.

Title: Rural Development Programme

Course Objectives:

1. To increase awareness of Five-Year Plans in rural areas.
2. To enhance developmental programmes in tribal areas.
3. To obtain information about various ongoing schemes in rural areas.

Course Outcomes:

1. To get awareness of Five-Year Plans in rural areas.
2. To get developmental programmes in tribal areas.
3. To obtain information about various ongoing schemes in rural areas.

Course Content:

Unit 1: Schemes for the development of farmers in tribal areas and scheduled tribes.	20%
Unit 2: Schemes for water and land conservation.	20%
Unit 3: Schemes for the development of backward classes.	20%
Unit 4: Schemes for mechanization in agriculture.	20%
Unit 5: Approach, objectives, and achievements of the last Five-Year Plan concerning rural development.	20%

Suggested Readings / References:

1. Development and Environmental Economics — Dr. Mahesh Joshi
2. Rural Sociology - Dr. M. G. Shah / J. K. Dave
3. Agricultural Economics — Dr. Mahesh Joshi

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	Minor - 8		Rural Industrial isation	4+0	50	50	100	2 Hrs.

Title: Rural Industrialisation

Course Objectives

1. To understand the interdependence between agriculture and industry in the context of rural development.
2. To analyze the role of agro-based industries in employment generation and poverty alleviation.
3. To study the various policies and institutional support systems available for rural industrialisation.
4. To identify the challenges faced by rural entrepreneurs and agro-industries.

Course Learning Outcomes

1. Explain the theoretical framework of rural industrialisation and its impact on the economy.
2. Classify different types of agro-based and cottage industries.
3. Evaluate the role of government agencies (like NABARD, KVIC) in promoting rural industries.
4. Create strategies to overcome challenges related to marketing, finance, and technology in rural sectors.

Course Content:

Unit 1: Introduction to Rural Industrialisation

20%

- 1.1 Concept & Meaning: Definition of Rural Industrialisation, Need and Importance.
- 1.2 Agriculture-Industry Linkage: Interdependence (Forward and Backward linkages).
- 1.3 Role in Economic Development: Contribution to GDP, Employment Generation, and checking migration from rural to urban areas.
- 1.4 Gandhian Approach: Mahatma Gandhi's view on Gram Swaraj and Cottage Industries.

Unit 2: Classification of Rural and Agro-Industries **20%**

- 2.1 Agro-Based Industries: Food Processing (Dairy, Sugar, Fruit Pulp), Textile (Cotton, Silk, Jute), and Oilseeds.
- 2.2 Non-Agro Based Industries: Handicrafts, Handlooms, Sericulture, and Khadi & Village Industries (KVIC).
- 2.3 Forest-Based Industries: Paper, Timber, and Minor Forest Produce.
- 2.4 MSMEs: Definition of Micro, Small, and Medium Enterprises and their significance in the rural context.

Unit 3: Institutional Support and Finance **20%**

- 3.1 Financial Institutions: Role of NABARD (National Bank for Agriculture and Rural Development), SIDBI, Regional Rural Banks (RRBs), and Cooperative Banks.
- 3.2 Government Schemes: PMEGP (Prime Minister's Employment Generation Programme), ASPIRE (Scheme for Promotion of Innovation, Rural Industries and Entrepreneurship), and SFURTI.
- 3.3 Microfinance: Concept of Self Help Groups (SHGs) and Microfinance Institutions in rural industrialisation.

Unit 4: Entrepreneurship and Infrastructure **20%**

- 4.1 Rural Entrepreneurship: Characteristics, Needs, and Types of Rural Entrepreneurs.
- 4.2 Infrastructure Requirements: Energy/Power supply, Transportation, Storage & Warehousing (Cold Chains), and Communication.
- 4.3 Marketing Strategy: Problems of marketing rural products, Cooperative Marketing, and the role of E-NAM (National Agriculture Market).

Unit 5: Challenges and Future Prospects **20%**

- 5.1 Major Challenges: Raw material availability, Lack of technical know-how, Low-quality standards, and Competition from large-scale industries/MNCs.
- 5.2 Globalization Impact: WTO regulations and their impact on Indian rural industries.
- 5.3 Emerging Trends: Organic Farming based industries, Agri-Startups, Contract Farming, and Value Addition.
- 5.4 Case Studies: Success stories of Amul (Dairy) or Lijjat Papad (Cooperative model).

Suggested Readings

- 1. Rural Industrialisation in India – by B.K. Singh
- 2. Agro-Industrial Development in India – by S.N. Misra
- 3. Entrepreneurship Development – by S.S. Khanka

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC/ OJT	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
B.R.S .	8	OJT-802		Agronomy	0+6	75	75	150	

Note: Rules & Regulation for OJT Evaluation subject to change as per SOP of Bhakta Kavi Narsinh Mehta University & HEI of Govt. of Gujarat

Title: - Agronomy (Major/Core Subject)

Course Requirements:

1. Core specific On Job Training (OJT) would comprise of 180 hours.
2. Students are required to be placed in the institutions, organizations, farmer's field, Co-operatives, Gau Shala, NGO's, Financial Institutions, Agro based business Centres, Value addition centres, Packaging-Marketing centres, excellence centres etc. relevant to their Core course.
3. Students are mandatorily required to prepare a Diary of their day to day activities during the OJT.
4. At the end of the OJT, students are required to obtain a confidential Feed Back Report from the Head of the Institution or Mentor of the training program of the institution.
5. The confidential Feed Back Report is to be submitted to the Course Teacher of the college.
6. A full attendance during the OJT/ training program is compulsory unless a special leave permission granted by the principal of the college.
7. The student has to obtain a completion certificate for OJT/ Internship/ Apprenticeship programme on the letter head of company/institute. The specimen of the certificate is given below.

Evaluation Method:

1. Continuous Comprehensive Evaluation (CCE): 75 Marks

(i): 30 Marks for day to day report writing (Diary) of internship program.

(ii): 30 Marks based on the confidential Feed Back Report received from the Head/ Coordinator of the Institution where placed

(iii): 15 Marks based on the attendance of the student at the institution where placed for Internship

2. Semester End Evaluation (SEE): 75 Marks

(i) 50 Marks for the Viva Voce evaluation conducted by the Course teacher

(ii) 25 Marks based on the Diary prepared during the internship program and overallbehaviour, enthusiasm, performance of the students.

Specimen of Completion Certificate

કંપની નું લેટર હેડ

રવાના

આઈ ડી. નંબર

OJT/ઇન્ટર્નશીપ પૂર્ણતા પ્રમાણપત્ર

આથી પ્રમાણિત કરવામાં આવે છે કે શ્રી.....D/o, W/o,
S/o.....એ.....(DD/MM/YY)
થી.....(DD/MM/YY) દરમિયાન.....(તાલીમ નું
સ્થળ).....(કંપની નું નામ અને એડ્રેસ) દ્વારા આયોજિત તેમજ.....(સંસ્થા નું નામ)
દ્વારા સુવિધા આપવામાં આવેલ.....(કોર્સનામ) માટે.....ગ્રેડ સાથે સફળતાપૂર્વક નોકરી/ઇન્ટર્નશીપ/એપ્રેન્ટીસશીપ
તાલીમ અભ્યાસ પૂર્ણ કર્યો છે.

દ્વારા પ્રમાણિત:

(કંપની નું નામ)

સહી અને સિક્કો

(હોદ્દો)

પ્રદર્શન માટે ગ્રેડિંગ નીચે મુજબ છે :

ગ્રેડO- ઉત્કૃષ્ટ(આઉટસ્ટેન્ડિંગ)

ગ્રેડA+ - ઉત્તમ (એક્સેલેન્ટ)

ગ્રેડA - ખૂબ સારું (વેરીગુડ)

ગ્રેડB+ - સારું(ગુડ)

Faculty: - Rural Studies

Name	Se	DSC/	Cours	Course	Credi	CCE	SEE	Total	SEE
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of Course	m.	DSE/ MDC/ SEC/ AEC/ VAC/ OJT	e Code	Title	ts			Mark s	Durati on
B.R.S .	8	OJT- 802		Horticultur e & Forestry	0+6	75	75	150	

Note: Rules & Regulation for OJT Evaluation subject to change as per SOP of Bhakta Kavi Narsinh Mehta University & HEI of Govt. of Gujarat

Title: - Horticulture& Forestry (Major/Core Subject)

Course Requirements:

1. Core specific On Job Training (OJT) would comprise of 180 hours.
2. Students are required to be placed in the institutions, organizations, farmer's field, Co-operatives, Gau Shala, NGO's, Financial Institutions, Agro based business Centres, Value addition centres, Packaging-Marketing centres, excellence centres etc. relevant to their Core course.
3. Students are mandatorily required to prepare a Diary of their day to day activities during the OJT.
4. At the end of the OJT, students are required to obtain a confidential Feed Back Report from the Head of the Institution or Mentor of the training program of the institution.
5. The confidential Feed Back Report is to be submitted to the Course Teacher of the college.
6. A full attendance during the OJT/ training program is compulsory unless a special leave permission granted by the principal of the college.
7. The student has to obtain a completion certificate for OJT/ Internship/ Apprenticeship programme on the letter head of company/institute. The specimen of the certificate is given below.

Evaluation Method:

1. Continuous Comprehensive Evaluation (CCE): 75 Marks

(i): 30 Marks for day to day report writing (Diary) of internship program.

(ii): 30 Marks based on the confidential Feed Back Report received from the Head/ Coordinator of the Institution where placed

(iii): 15 Marks based on the attendance of the student at the institution where placed for Internship

2. Semester End Evaluation (SEE): 75 Marks

(i) 50 Marks for the Viva Voce evaluation conducted by the Course teacher

(ii) 25 Marks based on the Diary prepared during the internship program and overallbehaviour, enthusiasm, performance of the students.

Specimen of Completion Certificate

કંપની નું લેટર હેડ

રવાના

આઈ ડી. નંબર

OJT/ઇન્ટર્નશીપ પૂર્ણતા પ્રમાણપત્ર

આથી પ્રમાણિત કરવામાં આવે છે કે શ્રી.....D/o, W/o, S/o..... એ.....(DD/MM/YY) થી.....(DD/MM/YY) દરમિયાન..... (તાલીમ નું સ્થળ)..... (કંપની નું નામ અને એડ્રેસ) દ્વારા આયોજિત તેમજ..... (સંસ્થા નું નામ) દ્વારા સુવિધા આપવામાં આવેલ..... (કોર્સનામ) માટે..... ગ્રેડ સાથે સફળતાપૂર્વક નોકરી/ઇન્ટર્નશીપ/એપ્રેન્ટીસશીપ તાલીમ અભ્યાસ પૂર્ણ કર્યો છે.

દ્વારા પ્રમાણિત:

(કંપની નું નામ)

સહી અને સિક્કો

(હોદ્દો)

પ્રદર્શન માટે ગ્રેડિંગ નીચે મુજબ છે :

ગ્રેડO- ઉત્કૃષ્ટ(આઉટસ્ટેન્ડિંગ)

ગ્રેડA+ - ઉત્તમ (એક્સેલેન્ટ)

ગ્રેડA - ખૂબ સારું (વેરીગુડ)

ગ્રેડB+ - સારું(ગુડ)

Faculty: - Rural Studies

Name of	Se m.	DSC/ DSE/	Cours e	Course Title	Credi ts	CCE	SEE	Total Mark	SEE Durati
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Course		MDC/ SEC/ AEC/ VAC/ OJT	Code					s	on
B.R.S .	8	OJT-802		Animal Husbandry	0+6	75	75	150	

Note: Rules & Regulation for OJT Evaluation subject to change as per SOP of Bhakta Kavi Narsinh Mehta University & HEI of Govt. of Gujarat

Title: - Animal Husbandry (Major/Core Subject)

Course Requirements:

1. Core specific On Job Training (OJT) would comprise of 180 hours.
2. Students are required to be placed in the institutions, organizations, farmer's field, Co-operatives, Gau Shala, NGO's, Financial Institutions, Agro based business Centres, Value addition centres, Packaging-Marketing centres, excellence centres etc. relevant to their Core course.
3. Students are mandatorily required to prepare a Diary of their day to day activities during the OJT.
4. At the end of the OJT, students are required to obtain a confidential Feed Back Report from the Head of the Institution or Mentor of the training program of the institution.
5. The confidential Feed Back Report is to be submitted to the Course Teacher of the college.
6. A full attendance during the OJT/ training program is compulsory unless a special leave permission granted by the principal of the college.
7. The student has to obtain a completion certificate for OJT/ Internship/ Apprenticeship programme on the letter head of company/institute. The specimen of the certificate is given below.

Evaluation Method:

1. Continuous Comprehensive Evaluation (CCE): 75 Marks

(i): 30 Marks for day to day report writing (Diary) of internship program.

(ii): 30 Marks based on the confidential Feed Back Report received from the Head/ Coordinator of the Institution where placed

(iii): 15 Marks based on the attendance of the student at the institution where placed for Internship

2. Semester End Evaluation (SEE): 75 Marks

(i) 50 Marks for the Viva Voce evaluation conducted by the Course teacher

(ii) 25 Marks based on the Diary prepared during the internship program and overall behaviour, enthusiasm performance of the students.

Specimen of Completion Certificate

કંપની નું લેટર હેડ

રવાના

આઈ ડી. નંબર

OJT/ઇન્ટર્નશીપ પૂર્ણતા પ્રમાણપત્ર

આથી પ્રમાણિત કરવામાં આવે છે કે શ્રી.....D/o, W/o, S/o..... એ.....(DD/MM/YY) થી.....(DD/MM/YY) દરમિયાન..... (તાલીમ નું સ્થળ)..... (કંપની નું નામ અને એડ્રેસ) દ્વારા આયોજિત તેમજ..... (સંસ્થા નું નામ) દ્વારા સુવિધા આપવામાં આવેલ..... (કોર્સનામ) માટે..... ગ્રેડ સાથે સફળતાપૂર્વક નોકરી/ઇન્ટર્નશીપ/એપ્રેન્ટીસશીપ તાલીમ અભ્યાસ પૂર્ણ કર્યો છે.

દ્વારા પ્રમાણિત:

(કંપની નું નામ)

સહી અને સિક્કો

(હોદ્દો)

પ્રદર્શન માટે ગ્રેડિંગ નીચે મુજબ છે :

ગ્રેડ O- ઉત્કૃષ્ટ(આઉટસ્ટેન્ડિંગ)

ગ્રેડ A+ - ઉત્તમ (એક્સેલેન્ટ)

ગ્રેડ A - ખૂબ સારું (વેરીગુડ)

ગ્રેડ B+ - સારું(ગુડ)

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on
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		AEC/ VAC/ OJT							
B.R.S .	8	OJT- 802		Rural Extension	0+6	75	75	150	

Note: Rules & Regulation for OJT Evaluation subject to change as per SOP of Bhakta Kavi Narsinh Mehta University & HEI of Govt. of Gujarat

Title: - Rural Extension (Major/Core Subject)

Course Requirements:

1. Core specific On Job Training (OJT) would comprise of 180 hours.
2. Students are required to be placed in the institutions, organizations, farmer's field, Co-operatives, Gau Shala, NGO's, Financial Institutions, Agro based business Centres, Value addition centres, Packaging-Marketing centres, excellence centres etc. relevant to their Core course.
3. Students are mandatorily required to prepare a Diary of their day to day activities during the OJT.
4. At the end of the OJT, students are required to obtain a confidential Feed Back Report from the Head of the Institution or Mentor of the training program of the institution.
5. The confidential Feed Back Report is to be submitted to the Course Teacher of the college.
6. A full attendance during the OJT/ training program is compulsory unless a special leave permission granted by the principal of the college.
7. The student has to obtain a completion certificate for OJT/ Internship/ Apprenticeship programme on the letter head of company/institute. The specimen of the certificate is given below.

Evaluation Method:

1. Continuous Comprehensive Evaluation (CCE): 75 Marks

(i): 30 Marks for day to day report writing (Diary) of internship program.

(ii): 30 Marks based on the confidential Feed Back Report received from the Head/ Coordinator of the Institution where placed

(iii): 15 Marks based on the attendance of the student at the institution where placed for Internship

2. Semester End Evaluation (SEE): 75 Marks

(i) 50 Marks for the Viva Voce evaluation conducted by the Course teacher

(ii) 25 Marks based on the Diary prepared during the internship program and overall behaviour, enthusiasm, performance of the students.

Specimen of Completion Certificate કંપની નું લેટર હેડ

રવાના

આઈ ડી. નંબર

OJT/ઇન્ટર્નશીપ પૂર્ણતા પ્રમાણપત્ર

આથી પ્રમાણિત કરવામાં આવે છે કે શ્રી.....D/o, W/o, S/o..... એ.....(DD/MM/YY) થી.....(DD/MM/YY) દરમિયાન..... (તાલીમ નું સ્થળ)..... (કંપની નું નામ અને એડ્રેસ) દ્વારા આયોજિત તેમજ..... (સંસ્થા નું નામ) દ્વારા સુવિધા આપવામાં આવેલ..... (કોર્સનામ) માટે..... ગ્રેડ સાથે સફળતાપૂર્વક નોકરી/ઇન્ટર્નશીપ/એપ્રેન્ટીસશીપ તાલીમ અભ્યાસ પૂર્ણ કર્યો છે.

દ્વારા પ્રમાણિત:

(કંપની નું નામ)

સહી અને સિક્કો

(હોદ્દો)

પ્રદર્શન માટે ગ્રેડિંગ નીચે મુજબ છે :

ગ્રેડO- ઉત્કૃષ્ટ(આઉટસ્ટેન્ડિંગ)

ગ્રેડA+ - ઉત્તમ (એક્સલેન્ટ)

ગ્રેડA- ખૂબ સારું (વેરીગુડ)

ગ્રેડB+ - સારું(ગુડ)

Faculty: - Rural Studies

Name of Course	Se m.	DSC/ DSE/ MDC/ SEC/ AEC/ VAC/ OJT/R	Cours e Code	Course Title	Credi ts	CCE	SEE	Total Marks	SEE Durati on

		P							
B.R.S	8	RP-801		DSC/Major	0+6	75	75	150	

Note: Rules & Regulation for Research Project Evaluation subject to change as per SOP of Bhakta Kavi Narsinh Mehta University & HEI of Govt. of Gujarat

Title: - DSC (Discipline Specific Core) / Major Course for Following Courses:

1. Agronomy
2. Horticulture & Forestry
3. Animal Husbandry
4. Rural Extension

Course Requirements:

1. The student is required to complete the Core Specific Research Project during the 8th Semester only and if not completed, he/she would be granted an another term.
2. This course comprises 6 credits and will be assigned to the Course Teacher of respective DSC.
3. The Research Project involves following functionalities:
 - Preparation and approval of a research proposal with Course Teacher
 - Conducting the project or survey in field condition and data collection
 - Data compilation and analysis
 - Preparation of a Dissertation/Thesis under guidance of Course Teacher

Evaluation Method:

1. Continuous Comprehensive Evaluation (CCE): 75 Marks

- (i): 30 Marks for the Research Proposal
- (ii): 30 Marks for the survey or project work

(iii): 15 Marks based on the Attendance, Library/Laboratory work and Enthusiasm of student for the project

2. Semester End Evaluation (SEE): 75 Marks

(i) 50 Marks for the Viva Voce evaluation conducted by the External Examiner and the Course Teacher

(ii) 25 Marks for the Dissertation/Thesis prepared on the basis of Research Project