

Syllabus for Krishi Samprasaran Bandu

Course Name	Krishi Samprasaran Bandu
Sector	Agriculture
Course Code	AGR/2024/KRSB/425
Level	4
Occupation	Krishi Samprasaran Bandu
Job Description	AKrishi Samprasaran Banduis responsible for extension methodology and delivering extension services efficiently by selecting appropriate extension methods. The agricultural extension service providers will be able to organize both Result and Method Demonstrations for transfer of technology. They will also be able to identify training needs and impart training accordingly for capacity development of the participants. The Extension Service Provider will play an important role in motivating the participants for entrepreneurship development and provide information regarding different Govt. schemes.
Course Duration	Total Duration 420Hrs (T-120, P-180, OJT-60 and ES-60)
Trainees' Entry Qualification	<ul style="list-style-type: none"> • 12th grade pass Or • Completed 2nd year of 3-years diploma (after 10th) and pursuing regular diploma Or • 10th grade pass plus 2-years NTC Or • 10th grade pass plus 1-year NTC plus 1 year NAC Or • 8th pass plus 2-years NTC plus 1Year NAC plus CITS Or • 10th grade pass and pursuing continuous schooling Or • 10th Grade Pass with 2 years relevant experience Or • Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 3 years relevant experience Or • Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience
Trainers Qualification	<p>M. Sc. (Ag) in Agricultural Extension with 1 year experience in relevant field</p> <p>OR</p> <p>B. Sc. (Hons.) Agriculture with 3 years experience in rural development activities</p>

Structure of Course:

Module No.	Module name	Outcome	Compulsory/ Optional	Theory (Hrs)	Practical (Hrs)	OJT (Hrs.)	Total (Hrs) [Multiple of 30]
1	Introduction to Agricultural Extension Education and Communication Process	Explain Basic concept developed on agricultural extension and communication process.	Compulsory	20	10		30
2	Roles of KrishiSamprasaranBandu	Plan and identify roles of KrishiSamprasaranBandu.	Compulsory	10	20		30
3	Field Visit and Demonstration	Develop skills by conducting field visits.	Compulsory	20	40		60
4	Training and Capacity Building	Plan and organize training and capacity building programme	Compulsory	20	40		60
5	Market-linkage and Weather-based Farm Activities	Describe forward and backward market linkage, weather-based farm activities and crop insurance.	Compulsory	30	30		60
6	Formation and Operation of SHG/ Farmers' Producers' Company (FPC)	Describe the formation and operation of Farmers' Producer Companies and SHGs.	Compulsory	10	20		30
7	Agricultural Entrepreneurship	Initiate activities to set up a small agricultural project as a self-entrepreneur.	Compulsory	10	20	-	30
8	OJT	Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	Compulsory	--	--	60	60
9	Employability Skill	As per guided curriculum	Compulsory	60	--	--	60
TOTAL				180	180	60	420

SYLLABUS:

Module 1: Introduction to Agricultural Extension Education and Communication Process

Outcome: Explain Basic concept developed on agricultural extension and communication process

Theory Content:

- Agricultural Extension: Concept, philosophy, objectives, principles, functions, benefits
- Qualities of Extension personnel

- Teaching-learning process
- Communication: Concept, function and types of extension communication (verbal and non-verbal, upward-downward, etc.)
- Communication gap, message, treatment of message
- Barriers to communication and possible ways to overcome

Practical Content:

- Village survey: Visit to a village and contact with progressive farmers to study their agro-economic background, crop enterprise, cosmopolitanism, mass media exposure, agro-eco system analysis of the village through PRA method
- Demonstration of verbal and non-verbal communication

Module 2: Roles of Krishi Samprasaran Bandhu

Outcome: Plan and identify roles of Krishi Samprasaran Bandhu.

Theory Content:

- Line Departments: Types and role of extension personnel in Department of Agriculture (ADA, BTM, ATM, KPS), Horticulture (ADH), Animal Husbandry (BLDO, Pranibandhu) of State Government
- Universities: Types and role of extension personnel in Directorate of Agricultural Extension
- KVKs: Role of KVKs in the district, types of SMS
- Farmers' Producers Organizations/Company: Role of FPO/FPC, Dairy/Milk Cooperative, etc.
- Input Providers: Seed companies, Fertilizer companies, Pesticide companies, Local input dealers/retailers
- NGOs: NGOs working in agricultural and rural development viz. PRADAN, MYRADA, other local NGOs
- Product promotional services provided by Agro-processing companies, Agri. Food companies, etc.
- Crop insurance: Extension services provided by Block Agriculture Department, Insurance companies, etc.
- Size and scope of agriculture industry and its sub-sectors with respect to employment opportunities for Agricultural Extension Service Providers

Practical Content:

- Make a list of different types of Agricultural Extension Service Providers in different Govt. Departments / Universities / KVKs / Seed and Fertilizer companies, etc.
- Make a visit to the office of Assistant Director of Agriculture (ADA) in the block and enlist the ongoing agricultural development programmes in the area including the roles of Krishi Prayukti Sahayaks (KPSs)
- Visit to KVK and study on different activities of KVK
- Visit to FPO and study on different activities of FPO
- Visit to local input dealers/retailers and study on their advisory services to local farmers
- Prepare cost-effective plan for providing agricultural extension services

Module No. 3: Field Visit and Demonstration

Outcome: Develop skills by conducting field visits.

Theory Content:

- Need for Field Visit : Objectives, planning and preparation, method

- Need for Demonstration: New variety / refined technology / modern farm machinery / special farm activity
- Result Demonstration: Concept, objectives, planning and preparation, implementation, follow-up
- Method Demonstration: Concept, objectives, planning and preparation, implementation, follow-up
- Difference between Result and method demonstration

Practical Content:

- Make a list of necessary infrastructure, tools, implements, equipment, audio-visual aids, literature required for conducting demonstration
- Select progressive farmers / beneficiaries for agri. Inputs / implements following standard methods
- Preparation of Leaflet, Folder, Poster, etc. for conducting demonstration
- Preparation of presentations for demonstration
- Visit to Result demonstration plots conducted by ADA, NGO, etc.
- Visit to Method demonstration of agricultural implements conducted by ADA, Farm machinery companies, etc.
- Preparation of report containing information on impact and economic analysis of the demonstration conducted
- Maintenance of Field Visit and Demonstration Register

Module No. 4: Training and Capacity Building

Outcome: Plan and organize training and capacity building programme

Theory content:

- Training: Concept, types (pre-service and in-service)
- In-service training: Induction or orientation training, foundation training, refresher training, on job training, etc.
- Phases of training: pre-training phase, training phase and post-training phase
- Classroom training and community training
- Training need identification method: Job analysis, informal discussion, performance evaluation, questionnaire method
- Difference between training and capacity building

Practical Content:

- Select topic of training (*viz.* cultivation practice / plant protection / post-harvest management, etc.) based on the need of stakeholders or by informal discussion with the farmers / participants
- Identify target group, date, time, venue of training
- Make a training schedule in consultation with higher officials and availability of resource persons
- Collect relevant materials from experts / books / library / internet for hands-on-training
- Learn to prepare training presentations containing up-dated relevant information, illustration/photograph in local language
- Organize training in classroom on the selected topic by lecture and 'learning by doing' method
- Organize interactive session between experts and trainees
- Maintenance of Training Register
- Collection and analysis of feed-back from the trainees
- Collection of suggestions, if any from the technical experts / administrative officers for future planning

Module 5: Market-linkage and Weather-based Farm Activities

Outcome: Describe forward and backward market linkage, weather-based farm activities and crop insurance.

Theory Content:

- Market: Concept, types, size, area, agricultural products, etc.
- Idea on demand and supply-chain, types and relationship of Buyer and Seller in market network
- Market-linkage: Forward and backward
- Minimum support price (MSP): Idea, importance, crops and their MSPs, procurement procedure, difference between MSP and market price
- Role of FPOs / FPCs / Rural co-operatives, etc. in agricultural marketing
- Weather advisory service: Idea, types, role of media, importance in agricultural activities
- Planning of weather-based farm activities and follow up
- Crop insurance: Types (PMFBY, BSB), crops under scheme, implementing agency, insurance premium, settlement of claims for crop damage, etc.

Practical Content:

- Make a list of different types of market for agri-based products in the district
- Preparation of road map for step-wise market-linkage activities including idea on whole-sale and retail price
- Compare direct sale and indirect sale through middle men
- Make a list of different crops along with their MSPs of the year
- Make a chart for weather-based farm activities / contingent plan in different seasons in the study area
- Make a list of crops including insurance agency and premium, districts / blocks covered

Module 6: Formation and Operation of SHG/ Farmers' Producers' Company (FPC)

Outcome: Describe the formation and operation of Farmers' Producer Companies and SHGs.

Theory Content:

- Self- Help Group: Concept, importance, role
- Process of formation of SHG
- Training of SHG members: Refinement of technology, scope of small business
- Farmers' Producers' Company (FPC) : Concept, importance, types of agri. business
- Process of formation of FPC, roles of executive and general members
- Training of executives and members of FPC: Potential area and scope of business, administrative and financial management, value-addition in agri. products, market-linkage, etc.

Practical Content:

- Identify and motivate target people / group for formation of SHGs / FPCs
- Describe the step-wise procedure for formation and operation of SHGs / FPCs
- Visit to SHGs to learn the activity and constraints
- Make economic analysis of small business of SHGs including sharing of profit
- Write a report about the success of SHGs
- Visit to FPC to learn the activity, constraints and future planning
- Write a report about the success of FPCs

Module 7: Agricultural Entrepreneurship

Outcome:Initiate activities to set up a small agricultural project as a self-entrepreneur.

Theory Content:

- Employability: Concept, scope in different agro-based sectors
- Entrepreneurship: Concept, types, characteristics, functions, scope for different agro-enterprises
- Idea on 4Ps: Product, price, promotion and place
- Entrepreneur: Motivation, project identification and business plan
- SWOT analysis: Idea, methodology, conclusion

Practical Content:

- Preparation of a small agri. business project including scope, feasibility, success possibility / risk assessment, total cost, source of fund, etc.
- Make idea on Govt. support, schemes, bank loan, GST, etc.
- Practical skill in e-commerce, e-payments, computer-based record management, etc.
- SWOT analysis for entrepreneurship development viz. Vermi-compost production unit, Bee Keeping, Poultry farming, etc. according to local situation

Module 8: OJT

Outcome: Work in real job situation with special emphasis on basic safety and hazards in this domain

Practical Content:

Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation.

(The trainee is expected to undertake work in actual workplace under any supervisor / contractor for 60 Hours)

Module 9:Employability Skills (60 Hours)

Key Learning Outcomes

Introduction to Employability Skills

Duration: 1.5 Hours

After completing this programme, participants will be able to:

1. Discuss the Employability Skills required for jobs in various Agri-allied institutions, Private companies, NGOs.
2. List different learning and employability related GOI and private portals and their usage

Constitutional values - Citizenship

Duration: 1.5 Hours

3. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
4. Show how to practice different environmentally sustainable practices.

Becoming a Professional in the 21st Century

Duration: 2.5 Hours

5. Discuss importance of relevant 21st century skills.
6. Exhibit 21st century skills like Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to

- learn etc. in personal or professional life.
7. Describe the benefits of continuous learning.

Basic English Skills

Duration: 10 Hours

8. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone
9. Read and interpret text written in basic English
10. Write a short note/paragraph / letter/e -mail using basic English

Career Development & Goal Setting

Duration: 2 Hours

11. Create a career development plan with well-defined short- and long-term goals

Communication Skills

Duration: 5 Hours

12. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette.
13. Explain the importance of active listening for effective communication
14. Discuss the significance of working collaboratively with others in a team

Diversity & Inclusion

Duration: 2.5 Hours

15. Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
16. Discuss the significance of escalating sexual harassment issues as per POSH act.

Financial and Legal Literacy

Duration:5 Hours

17. Outline the importance of selecting the right financial institution, product, and service
18. Demonstrate how to carry out offline and online financial transactions, safely and securely
19. List the common components of salary and compute income, expenditure, taxes, investments etc.
20. Discuss the legal rights, laws, and aids

Essential Digital Skills

Duration: 10 Hours

21. Describe the role of digital technology in today's life
22. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
23. Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely
24. Create sample word documents, excel sheets and presentations using basic features
25. utilize virtual collaboration tools to work effectively

Entrepreneurship

Duration: 7 Hours

26. Explain the types of entrepreneurship and enterprises
27. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
28. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
29. Create a sample business plan, for the selected business opportunity

Customer Service

Duration: 5 Hours

30. Describe the significance of analyzing different types and needs of customers
31. Explain the significance of identifying customer needs and responding to them in a professional manner.
32. Discuss the significance of maintaining hygiene and dressing appropriately

Getting Ready for apprenticeship & Jobs

Duration: 8 Hours

33. Create a professional Curriculum Vitae (CV)
34. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
35. Discuss the significance of maintaining hygiene and confidence during an interview
36. Perform a mock interview
37. List the steps for searching and registering for apprenticeship opportunities

Learning Outcome–Assessment Criteria

Module No.	Outcome	Assessment Criteria
1	Explain Basic concept developed on agricultural extension and communication process	After completion of this module students will be able to: 1.1 Conduct village survey 1.2 Collect data from progressive farmers 1.3 Apply PRA method 1.4 Compare verbal and non-verbal communication
2	Plan and identify roles of KrishiSamprasaranBandu.	After completion of this module students will be able to: 2.1 Make a list of different types of Agricultural Extension Service Providers in different Govt. Departments / Universities / KVKs / Seed and Fertilizer companies, etc. 2.2 Explain the role of Agricultural and other line Departments, Agricultural Universities, KVKs in Transfer of Technology 2.3 Discuss the role of input dealers and services provided by them 2.4 Identify the services provided by NGOs in rural development 2.5 Make plan for extension services in target areas
3	Develop skills by conducting field visits.	After completion of this module students will be able to: 3.1 Conduct Result Demonstration 3.2 Conduct Method Demonstration 3.3 Prepare leaflet, folder, poster, etc. for demonstration 3.4 Make a list of progressive farmers / beneficiaries for agri. Inputs / implements following standard methods 3.5 Prepare report containing information on impact and economic analysis of the demonstration conducted
4	Plan and organize training and capacity building programme	After completion of this module students will be able to: 4.1 Identify training needs of the farmers / stake holders 4.2 Select target group and topic and make plan for appropriate capacity development methods 4.3 Prepare training schedule, presentation, etc. 4.4 Organize training and capacity building programme

Module No.	Outcome	AssessmentCriteria
		4.5 Analyze trainees' feedback for future planning
5	Describe forward and backward market linkage, weather-based farm activities and crop insurance.	After completion of this module students will be able to: 5.1 Survey market and associated enterprises 5.2 Discuss on forward and backward linkage 5.3 Discuss on MSPs of different crops 5.4 Advise weather-based farm activities 5.5 Explain the importance of crop insurance for the benefit of the farmers
6	Describe the formation and operation of Farmers' Producer Companies and SHGs.	After completion of this module students will be able to: 6.1 Explain the process of formation of SHGs and FPCs 6.2 Collect data from SHGs about activities and economics 6.3 Collect data from FPC about activities and economics 6.4 Identify the constraints and scope of business of SHGs and FPCs
7	Initiate activities to set up a small agricultural project as a self-entrepreneur.	After completion of this module students will be able to: 7.1 Identify and make small Entrepreneurial Project 7.2 Conduct SWOT Analysis of any project or scheme 7.3 Show practical skill in e-commerce, e-payments, computer-based record management, etc.
8	OJT	Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for 60 Hours.)
9	Employability Skill	As per guided curriculum

List of Tools, Equipment & materials needed for 30 Trainees (Practical)

Sl. No.	Name of the Tool & Equipment	Specification	Quantity
1.	Class room	40 Trainees capacity	One
2.	Laptop		One
3.	Projector		One
4.	Sound system		One
5.	Camera		One
6.	Television		One
7.	Radio		One
8.	Tape recorder		One
9.	Black board		One
10.	White Board		One
11.	Chalk, Marker pen		Adequate
12.	Art paper		Adequate
13.	Trainee's Handbook		One for each

Marks Distribution

Outcome	Outcome Code	Total Th marks	Total Pr marks	Total OJT marks
Explain Basic concept developed on agricultural extension and communication process.	AGR/0279/OC1	20	60	0
Plan and identify roles of KrishiSamprasaranBandu.	AGR/0279/OC2	20	80	0
Develop skills by conducting field visits.	AGR/0279/OC3	20	120	0
Plan and organize training and capacity building programme	AGR/0279/OC4	20	120	0
Describe forward and backward market linkage, weather-based farm activities and crop insurance.	AGR/0279/OC5	30	110	0
Describe the formation and operation of Farmers' Producer Companies and SHGs.	AGR/0279/OC6	20	80	0
Initiate activities to set up a small agricultural project as a self-entrepreneur.	AGR/0279/OC7	20	80	0
Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	AGR/0279/OC8	0	0	150
Employability Skills – 60 Hrs	DGT/VSQ/N0102	50	0	0