S. No.	Course Cod	Course Name Name	Course Outcomes	
1	AG-101	Fundamentals of Agronomy	CO1	To understand about Indian Agriculture and importance, present status, scope and future prospect.
			CO2	To understand the Cropping seasons of India, Soil formation and its properties.
			CO3	To understand the crops and crops seeds.
			CO4	To apply the understanding of Agronomy for crops cultivation and management for the purpose of producing food for human, feed for animal and raw material for industries.
			CO5	To analyze the relation of Agronomy with other disciplines such as Botany, Soil Science, crop physiology, plant ecology, plant protection, Plant Genetics and Breeding, Agro meteorology etc.
2	AG 102	Fundamentals Of Genetics	CO1	To understand about the historical development aspect of genetics.
			CO2	To understand the concept of inheritance and cell division.
			CO3	To understand the linkage and crossing over and its significance in plants.
			CO4	To understand the causes of various genetic disorders proper.
			CO5	To know proper handling during laboratory work.
			CO6	Understand the basic concepts of the ultra structure of cell, cell organelles, chromosomes and nucleic acids.
			CO1	To understand about soil forming rocks and minerals, their weathering and soil forming processes .

3	AG 103	Fundamentals of Soil Science	CO2	To understand about physical and chemical properties of soil and their effect on plant's health.
			CO3	To understand students about causes, effects and remedies to prevention and mitigation of soil pollution.
			CO4	Student will able to evaluate physical and chemical properties of soil.
			CO5	The students are expected to gain practical knowledge on different aspects of fundamental of soil science like genesis of soil, soil profile, various properties of soil viz., soil texture, soil structure, soil density, soil colour, soil temperature, soil air, soil colloid, soil organic matter, soil organisms etc.
4	AG 104	Fundamentals Of Horticulture	CO1	To understand horticulture relates to the economy and environments, both currently and in the future.
			CO2	Students will understand basic principles, processes and plant propagation methods.
			CO3	Students will be able to understand plant vegetative structure
			CO4	Students will apply his understanding in plant propagations, harvest and management.
			CO5	Students will acquire practical knowledge on physiology of horticultural crops, PGR and their functions uses and biotic and abiotic stresses.
5	AG-105	Rural Sociology and Educational	CO1	To Understand and analyze social, economic and political aspects of rural society.
			CO2	To Understand the changes that are taking place in rural society.
			CO3	To Understand the psychological concepts and Rural leadership.
			CO4	To understand basic rural institution and their role.

		Psychology	CO5	To be able to demonstrate nature, subject-matter and importance of studying Rural Sociology.
			CO6	The learners are expected to develop expertise on different concepts and issues of rural sociology and educational psychology.
6	AG 106	Introduction to Forestery	CO1	Students will understand recognize various harvesting, transportation, and processing systems used in the management of forest resources and production of forest products
			CO2	Students will understand develop and evaluate management plans with multiple objectives and constraints.
			CO3	Students will learn how to develop and apply silvicultural prescriptions appropriate to management objectives.
			CO4	Students will understand analyze forest inventory information and project future forest, stand, and tree conditions.
			CO5	Students will demonstrate a
7	AG 107	Introduction Animal Husbandry	CO1	To understand the importance and contribution of livestock in the state and national economy.
			CO2	Students will be able to understand the mechanisms and role of reproductive physiology in livestock production.
			CO3	Students will understand the application of modern animal production technologies and management practices impact the production facilities, the communities and the world.
			CO4	To have minimum basic understanding of different disease encountered in the farm animal and poultry and their preventive and control measures.

			CO5	Students will able to apply concepts of breeding, physiology, nutrition, herd-health, economics and management into practical and profitable animal production programs.
			CO6	To make students practically stronger to undertake entrepreneurship in the livestock and poultry sector.
8	AG 108	Comprehension Communication Skill in English	CO1	Student will able to understand the functional aspects of english grammar.
			CO2	The course will acquaint students with the common english sentence structures, enable them to form new sentences and detect common errors.
			CO3	Student will understand the different styles of reading and develpo their english comprehension.
			CO4	Strudent will able to write application and report. It will develop written communication skills of the students.
			CO5	To increase the vocabulary of students and develop their understanding english.
9	AG 109	Agriculture Heritage	CO1	To Know about Ancient Agricultural Practices & Its relevant to modern agriculture practices.
			CO2	To understand Our Journey (Developments) in Agriculture and Vision for the Future.
			CO3	To understand our traditional technical knowledge.
			CO1	To understand about Indian Agriculture and importance, present status, scope and future prospect.
			CO2	Students will apply his understanding in plant propagations, harvest and management.

10	AG 110	General Agriculture	CO3	To understand about physical and chemical properties of soil and their effect on plant's health.
			CO4	To understand the knowledge of Plant Pathology.
11	AG 111	Introductory Biology	CO1	The student will be able to read, understand, and critically interpret the primary biological literature in his/her area of interest.
			CO2	The student will be able to design, conduct, analyze, and communicate (in writing and orally) biological research.
			CO3	The student will recognize and be able to apply basic ethical principles to basic and applied biological/biomedical practice and will understand the role of biological/biomedical science, scientists, and practitioners in society.
			CO4	The student will be able to explain the process of organic evolution and its underlying principles and mechanisms.
			CO5	metabolism, homeostasis, reproduction, development, and genetics, and the relationships between form and function of biological structures at the molecular, cellular, organismal, population, and
12	AG 112	General Agriculture II	CO1	To understand the importance and contribution of livestock in the state and national economy.
			CO2	To understand the importance of farm power and machenary.
			CO3	To understand about the various implements used in agriculture farm for various purposes.

			CO4	To identify elements of business success in agriculture as well as elements that determine economic role of agriculture in national economy.
13	AG 113	Elementary Math	CO1	To understand of basic concepts of statistics and applied mathematics.
			CO2	To analyse the data using various statistical test like Z- Test, T-Test, F-Test, Chi- SquareTest.
			CO3	To take appropriate decision by applying the concepts of analytics and experimental design.
			CO4	The students to make thei rexperimental designs, statistical analysis, and error estimation etc. for their research work.
			CO5	To compute various measures of central tendencies, dispersion , probability, sampling techniques, differentiation and their implementation in solving the numerical problems.
14	AG 114	NSS	CO1	To uphold the value system based on the cultural, social, political and moral bases of Indian society.
			CO2	Identify and solve the major social and environmental issues/challenges and equip the classroom learning to face those challenges.
			CO3	Develop teacher competence, sensitivity and teacher motivation.
15	AG 201	Fundamentals of crop physiology	CO1	Role of crop physiology in crop health.
			CO2	Identification of deficiency symptoms of nutrients.
			CO3	To understand the metabolic and synthetic pathway of biomolecules.
			CO4	To know the difference between C3, C4 and CAM plant.

			CO5	The students will understand various aspects of stress physiology such as physiological and molecular basis of abiotic stress tolerance in plants.
			CO6	To understand the importance of growth Harmon in Agriculture.
16	AG 202	Fundamentals of plant biochemistry	CO1	To know the role of crop physiology in crop health.
			CO2	To be able to identification of deficiency symptoms of nutrients.
			CO3	To understand the metabolic and synthetic pathway of biomolecules.
			CO4	To know the difference between C3, C4 and CAM plant.
			CO5	The students will understand various aspects of stress physiology such as physiological and molecular basis of abiotic stress tolerance in plants.
			CO5	To understand the importance of growth Harmon in Agriculture.
17	AG 203	Fundamentals of entomology	CO1	To understand the knowledge of Insects.
			CO2	To understand about the insects morphology, anatomy, sense organs.
			CO3	To understand general introduction of phylum Arthropoda, its various classes & their character with reference to class-Insecta.
			CO4	To understand the pre development & post embryonic development.
			CO5	The students will be able to get acquainted with the different techniques of management of crop pest in an integrated way.
18	AG 204	Fundamentals of agricultural economics	CO1	To understand the markets and their role.
			CO2	To understand the market agents and controlled market
			CO3	To understand the problems of marketing of Agriculture produce.
			CO4	To gain fundamental understanding of demand and supply of a commodity.

			CO5	To undertstand about importance of cooperative system and corporative Banks
19	AG 205	ciples of organic farr	CO1	To understand Initiatives taken by Government for organic produce.
			CO2	To understnd role of NGOs in producing organic products.
			CO3	To know about Selection of crops and varieties for organic produce
			CO4	To know the procedure of Certification of organic produce.
20	AG 206	Fundamentals of plant pathology	CO1	To understand the knowledge of Plant Pathology.
			CO2	To understand the reasons of plant pathogens.
			CO3	To understand the pathogen fungi and classification.
			CO4	To understand the pathogen bacteria and morphology, reproduction and role of causes the diseases.
21	AG 207	Production technology of vegetables and spices	CO1	Students will understand practical knowledge on specialized production techniques of vegetables and spices.
			CO2	Studentswill understand Importance of vegetables & spices in human nutrition improved and national economy.
			CO3	Students will knowledge about quality requirement and production and techniques.
22	AG 208	Fundamentals of agricultural	CO1	To understand of the rural development schemes.
			CO2	To understand of the problems of rural development.
			CO3	To understand different methods for transfer of agricultural technology.

22	AG 208	extension education	CO4	To understand of aids for extension activities as projector, display board, field demonstrations.
			CO5	To be able to create plan for developmental activities.
23	AG 209	Diary processing and safety issues	CO1	To determined the relative importance of attributes of food safety improvement in the production chain of fluid pasteurized milk.
			CO2	To know about methods for improving milk safety in smallholder dairying.Students will understand about traditional systems of cattle and concepts of farming.
			CO3	To understand about general classification, characteristics, scope of microbes in dairy industry.
			CO4	To understand the role of milk in transmission of disease, management practices and regulations to ensure safe dairy products.
24	AG 210	Human values & ethics	CO1	To give basic insights and inputs to the student to inculcate Human values to grow as a responsible human beings with proper personality.
			CO2	To instill professional Ethics in the student to maintain ethical conduct and discharge their professional duties.
			CO3	To understand the difference between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.
			CO4	To understand the role of a human being in ensuring harmony in society and nature.

			CO5	To distinguish between ethical and unethical practices, and start working out the strategy toactualize a harmonious environment wherever they work.
25	AG301	Crop Production Technology-I (Kharif Crops)	CO1	The students will be able to know about origin, geographical distribution, and economic importance of Kharif crops
			CO2	To be able to know about Soil and climatic requirements, varieties, cultural practices and yield of Kharif crops.
			CO3	To Analysis of comparative benefits of the different kharif crops
			CO4	To understand Constraints in production of oilseeds and pulses maybe identified through course content.
			CO5	To understand Production technology of kharif cereals and millets fulfill the need of human consumption and milch cattle
26	AG302	Practical Crop Production –I	CO1	Students will be acquainted with the knowledge of profitable crop production technology.
			CO2	Students will able to understand about ruminative crop production techniques.
			CO3	It helps to adopt diversified farming system according to available farming situation.
			CO4	It will assist to encourage the sustainable agriculture system.
			CO5	To understand the Profitable based farming system that we can adopt.
			CO1	To be able to establish the commercial plant breeding company to developed new superior crops varieties.

27	AG303	Fundamentals of Plant Breeding	CO2	To be able to develop the insect and disease resistant varieties for environment friendly management of disease and insect.
			CO3	To be able to serve the quality food in the market by developing high nutritive varieties.
			CO4	To understand how to increase the farm yield to get higher income on farm by developing higher yield crop varieties.
			CO5	To be able to start a consultant company to guide & supply the better varieties to the farmers.
28	AG304	Agricultural Microbiology	CO1	To understand the basic microbial structure, function and study the comparative characteristics of prokaryotes and eukaryotes.
			CO2	To know the various Physical and Chemical growth requirements of bacteria
			CO3	To Impart knowledge about production of beneficial bacteria.
29	AG305	Agriculture Finance & co-operation	CO1	To understand the broad feature of Indian financial institutions with instruments to control credit in the country.
			CO2	To be able to narrate the kinds and components of money with its regulatory system .Be aware of the functions, objectives and limitations of commercial bank.
			CO3	To identify the existence and development of non- banking financial institutions, know the important role of mutual fund. LIC investment companies etc. Utilize and effectively participate in the development process.
			CO4	To understand the macroeconomics aspects of the economy as they affect the agricultural sector.

			CO5	To be apply economics principles to understand the conduct and performance of the agricultural industry.
30	AG306	Farm Machinery & Power	CO1	To know about various sources of farm power and their uses.
			CO2	To know about working of IC Engines and their uses in modern equipments.
			CO3	To understand various parts of tractors and their mechanism.
			CO4	To understand the financial aspects of using farm power .
			CO5	To know about the various implements used in agriculture farm for various purposes.
31	AG307	Principals of integrated Disease Management	CO1	Student will know importance of sign and symptoms for detection of pathogens and disease.
			CO2	Student acquire the knowledge of Integrated methods of disease management.
			CO3	To Learn about biological and chemicals in disease management.
			CO4	To understand Insect Vectors transmitting plant diseases.
			CO5	To gain understanding of Insect Control Methods.
			CO1	To gain knowledge on Environment, its structure, climate change, sustainable development, disaster management, different type of diseases and public health management.
			CO2	To develop an understanding on the Environment, ecosystem, biogeochemical cycle, environmental pollution and capability to identify relevant environmental issues, analyse the various underlying causes, evaluate the practices and policies, and develop framework to make informed decisions.

32	AG308	Environmental Studies and Disaster Management	CO3	To be able to develop an objective view on population ecology, population growth and controls, climate change and sustainable development goals.
			CO4	To understand the concept of disaster management, vulnerability, assessment and risk analysis, institutional framework, preparedness measures and survival skills.
			CO5	To apply proficiency in analytical methods, critical thinking, communication, and leadership skills sufficient to make a contribution in environmental and related fields.
			CO6	To analyse critical issues in public health management, communicable and non-communicable disease, life style management, transmission of epidemic- pandemic diseases and its prevention. Learner will enable to understand the role of different public sectors in managing health disaster.
32	AG309	Statistical Methods	CO1	To familiarize with some basic concepts in statistics.
			CO2	To understand and familiarize elementary statistical methods of analysis of data viz. Measures of Central Tendency, Dispersion, Moments, Skewness, and Kurtosis and to interpret them.
			CO3	To Analysis data pertaining to attributes and to interpret the results.
32	AG310	Fundamentals of soil water conservation	CO1	To understand the principles and concepts of soil and water conservation engineering and the importance of conservation practices in agricultural systems.
			CO2	To gain knowledge about erosion processes, soil erosion types, and factors affecting soil erosion in agricultural landscapes.
			CO3	To familiarize with various soil and water conservation techniques and structures used in agricultural land.

			CO4	To learn the design principles and criteria for different soil and water conservation structures and techniques.
32	AG311	Dairy Science	CO1	To get comprehensive understanding of dairy production, processing, and preservation techniques
			CO2	To get Proficiency in quality control and food safety practices specific to the dairy industry
			CO3	To be ability to operate and maintain dairy machinery and equipment
			CO4	To gain knowledge of dairy product development, packaging, and marketing strategies
			CO5	To understand the economic and environmental aspects of the dairy sector
	AG312	Fundamentals of entomology-II	CO1	To understand ecology and environmental factors regulating insect population dynamics.
			CO2	To able to perform pest surveillance and forecasting.
			CO3	To understand the concepts, principles, aims, and tools of IPM.
			CO4	To understand the concepts of insect resistance and resurgence and their management.
			CO5	To understand Insecticide act, and perform spraying techniques and safety uses of pesticides.
32	AG401	Crop Production Technolology II (Rabi Crops)	CO1	To know the Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield of rabi crops
			CO2	To identify weeds in rabi season crops.

			CO3	To understand the yield attributing characters of kharif crops an d Estimate yield of Rabi crops.
32	AG402	Practical Crop Production –(Rabi Crops)	CO1	Students will be acquainted with the knowledge of profitable crop production technology.
			CO2	Course content will help to students about ruminative crop production techniques.
			CO3	It helps to adopt diversified farming system according to available farming situation.
			CO4	It will assist to encourage the sustainable agriculture system.
			CO5	Profitable based farming system can we adopted with the help of course content
32	AG403	Principle of Seed Technology	CO1	Student should be able to understand the concept of seed technology.
			CO2	Student should be able to identify seeds identification based on morphological characters.
			CO3	Student should get knowledge about reproduction in plants, seed structure and development.
			CO4	To understand the theoretical orientation of seed development.
			CO5	To familiarize with Seed Technology and morphology of seed and its development.

32	AG404	Problematic Soil & their Management	CO1	To be able to understand about waste land and problematic soils in India and management of the soils.
			CO2	Students will be able to know about the different reclamation and management practices for the development of the soils.
			CO3	To understand different factors responsible for saline, sodic and acidic soils and their properties.
			CO4	To be able to use the fundamentals of soil science disciplines for the reclamation of degraded soils.
			CO5	To be able to demonstrate fundamental knowledge to identify problematic soils and associated problems and identify processes resulting in deterioration of soil physical and chemical properties.
32	AG405	Fandamental of Plant Biotechnology	CO1	To understand the concepts and techniques of plant biotechnology and their applications in crop plants.
			CO2	To understand the basics principles of plant sciences and molecular biology and their integration towards trait improvement in plants.
			CO3	To have a thorough knowledge of laboratory techniques used in plant biotechnology.
			CO4	To understand the industrial applications of biotechnology in developing new products.
			CO5	To acquire experimental skills to conserve plants for sustainability

32	AG406	Renewable Energy & Green Tech.	CO1	To understand the need of energy conversion and the various methods of energy storage
			CO2	To identify Winds energy as alternate form of energy and to know how it can be tapped
			CO3	To explain bio gas generation and its impact on environment
			CO4	To understand the geothermal &Tidal energy, its mechanism of production and its applications
			CO5	To illustrate the concepts of Direct Energy Conversion systems & their applications.
32	AG407	Production Tech. of Ornamental Crops & MAP	CO1	To learn different production technology for ornamental Crops.
			CO2	To understand about the Importance and scope of Ornamental Crops, MAPs and Landscaping. To learn the techniques in Landscaping.
			CO3	To gain knowledge about production technology of cut flower, loose flower, medicinal and aromatic plants.
			CO4	To know about the uses of annuals, biennials, perennials tree, shrub, climbers and potted plants in landscaping.
32	AG408	Entrepreneurship Development & Business Communication	CO1	To understanding basic concepts in the area of entrepreneurship
			CO2	To understanding the role and importance of entrepreneurship for economic development
			CO3	To understanding the stages of the entrepreneurial process and the resources needed for the successful development of entrepreneurial ventures

			CO4	To develop and strengthen the entrepreneurial quality, i.e. motivation or need for achievement.
			CO5	To analyze environmental set up relating to small industry and small business
32	AG409	Introductory Agro-Meteorology & Climate Change	CO1	To understand roles of agro meteorology in agriculture and its relation to other areas of agriculture.
			CO2	To develop weather based agro advisories to sustain crop production utilizing various.
			CO3	To study about different climatic factors affecting crop growth and development.
			CO4	To make proper understanding on crop-weather relationship.
			CO5	To assess productivity level of major crops during future climate-change scenario.
32	AG410	Agri Informatics	CO1	To be able to understand analogy of computer.
			CO2	To know the use of IT application and different IT tools in Agriculture
			CO3	To know about the use of Decision support systems, Agriculture Expert System and Soil Information Systems in Agriculture
			CO4	To acquaint the students with introduction to computer & operating system.
			CO5	To understand the data presentation, interpretation and graph creation.
32	AG411	Production & Mana	CO1	To know about the construction of hatchery
			CO2	To gain knowledge about different sections / rooms in hatchery for efficient operations
			CO3	To be able to understand the handling and care of hatching eggs

			CO4	To understand different procedures followed in incubation of chicken eggs in hatchery
			CO5	To gain knowledge of handling and Care of hatched chicks
32	D-591	Introduction to Plant Biotechnology	CO1	The students do understand the importance of plant diversity and their conservation through invitro propagation and maintainance.
			CO2	To understand the application of biotechnology/Genetics engineering in crop improvement.
			CO3	To understand the tissue culture media.
			CO4	To understand the plant tissue culture and micro propagation.
			CO5	Apply learned techniques in new or similar situations
32	D-592	Milk and Milk Processing and human Nutrition	CO1	To be able to write the definition and chemical composition of milk and colostrums.
			CO2	To be able to understand the physical properties of milk and colostrums.
			CO3	To be able to understand the factors affecting the quality and quantity of milk.
			CO4	To be able to analyze the difference in the milk of cow and buffalo and colostrums.
			CO5	To be able to write the name of microorganism of milk and their functions.
		Preservation of Fruit and	CO1	To understand the post harvest technology of horticultural crops.
			CO2	To understand the value addition of horticulture crops.

D-593	Vegetable Post Harvest Management of Fruits and Vegetables	CO3	To understand the work space, tool and equipment design for PHT and value addition.
		CO4	To understand the various certification and accreditation i.e. FPO, ISO and other leveling.
		CO5	To understand post harvest loss reduction through processing of fruits and vegetables.
D-594	Crop Pests and Integrated Pest Management	CO1	To gain general understanding of crop Pests.
		CO2	To understand about Integrated Pest Management.
		CO3	To understand Insect Vectors transmitting plant diseases.
		CO4	To gain understanding of Insect Control Methods.
		CO5	To understand about Plant Protection equipments.
D-595	Weed Management	CO1	To understand why to undertake environmental weed control.
		CO2	Students will able to understand different approaches of weed management.
		CO3	Students will apply the understanding for planning of weed management and processes.
		CO4	Students will able to evaluate about harmful and beneficial effects of weeds in Agriculture.
		CO5	Trained to workout collection and preservation of weeds.
D-596	Crop Diseases and	CO1	The course will acquaint students with the general understanding of Plant diseases.
		CO2	To understand how to control the disease and management of the diseases of crops.

D-590	their Management	CO3	Student will able to apply their understanding in identifying of disease symptoms, pathogens
		CO4	To be able to understand the disease and about plant quarantine.
D-597	Soil Fertility, Fertilizers and Integrated Nutrient Management	CO1	To gain understanding of different manure and fertilizers used in different crops according to soilcondition.
		CO2	To understand essentiality of plant nutrients and mechanism of nutrient transport to plant.
		CO3	Students will evaluate the deficiency symptoms of plant nutrients.
		CO4	To be able to establish soil testing laboratory in future as a entrepreneur.
D-691	Principles of Seed Technology	CO1	To provide students with the basic knowledge of seed formation, development, and morphology, seed chemical composition.
		CO2	To understand the storage of pure variety seed and to avoid the availability crises of pure variety seed due to adverse environmental conditions.
		CO3	To understand production of hybrid seed of different crops to increase the farm income.
		CO4	Provide students with the methodology of conducting and applying the industrial tests for monitoring seed quality.
		CO5	Students will acquire skills & handling operations of different equipment's in seed science laboratory
D-692	Dairy products	CO1	Students will understand about traditional systems of cattle and concepts of farming.
		CO2	To understand about cream separation, pasteurization , homogenization of milk chemistry and microbiology of milk.

D-692	technology	CO3	To understand about general classification, characteristics, scope of microbes in dairy industry.
		CO4	To understand about mechanism of different dairy equipments.
D-693	Post-Harvest Technology	CO1	To understand the importance of pre-harvest physiology for fruit and vegetables on the long term storage of horticultural crops.
		CO2	To learn about the importance of atmospheric composition on the eating quality and shelf life of horticultural crops.
		CO3	To evaluate the damage caused by post-harvest pest and diseases under different storage regimes.
		CO4	To Contrast the design of controlled atmosphere stores and modified atmosphere
D-694	Farming System & Sustainable Agriculture Course Outcomes	CO1	The student will be able to understand the major aspects of agricultural practices and traditions through time and throughout the world.
		CO2	To understand in general the relationships among culture, economics &politics.
		CO3	To understand the macroeconomics aspects of the economy as they affect the agricultural sector.
		CO4	TO explain the broad feature of Indian financial institutions with instruments to control credit in the country.
D-695	Agricultural Finance, Business	CO1	To understand the macroeconomics aspects of the economy as they affect the agricultural sector.
		CO2	To explain the broad feature of Indian financial institutions with instruments to control credit in the country.
		CO3	To Understand the conditions of financial markets and its impact in the economy.

		CO4	To be able to apply economics principles to understand the conduct and performance of the agricultural industry.
		CO5	To be able to explain the functions, objectives and limitations of commercial bank and other financial institution.
D-696	Communication diffusion of agriculture innovation	CO1	To understand the communication process and agriculture innovation.
		CO2	To understand the diffusion of agriculture innovation.
		CO3	To understand the development of agriculture research of agriculture innovation.
		CO4	To understand the management and demonstration for agriculture innovation.
D-697	Mushroom cultivation	CO1	To understand about different edible mushrooms and basic aspects of Mushroom cultivation.
		CO2	Student will able to gain knowledge to overcome contaminants, pest and diseases problems.
		CO3	Trained in spawn and mushroom cultivation especially indigenous to latest technology.
		CO4	Trained to workout cost analysis of mushroom unit and prepare projects to funding agencies.
D-698	Ornamental of horticulture	CO1	To be able to use botanical nomenclature to select plants for use in annual displays.
		CO2	To be able to Categorize the roles of higher plants.
		CO3	The student will gain skill in manual drawing and execution of garden
		CO4	The students will able to create the garden of their own with all the elements of garden and principles.
		CO1	Student can able to understand about rainfed agriculture and its introduction, problem and prospects in India.

D-791	Rainfed Agriculture & Watershed Management	CO2	Student can able to understand objective, principles and component of watershed management.
		CO3	To know about conservation of soil by adopting latest soil conservation techniques will help in obtaining higher production of rainfed crops.
D-792	Silviculture and Agro forestry	CO1	To be able to understand about Agro forestry and Silviculture, objectives and potential.
		CO2	To know about different Agro-forestry Systems, Subsystem, Practices, AFS Classification, Agro-forestry Systems on nature of Components.
		CO3	To Impart knowledge about forest, status of Indian forest and their role in farming system.
		CO4	To analyze the distinction between Agro forestry and Social Forestry.
D-793	Production technology of medicinal and aromatic crops	CO1	To gain understanding of production technology for various important medicinal crops.
		CO2	To gain understanding of the study of herbal industry for medicinal crops
		CO3	To able to understand the systems of cultivation and organic production and able to classify the medicinal crops,
		CO4	To explain the Indian system of medicine, indigenous Traditional Knowledge, IPR issues.
		CO5	To be able to identify various types of problematic soils in India, along with their occurrence and formation.
	Management of	CO1	To be able to identify various types of problematic soils in India, along with their occurrence and formation.
		CO2	To understand about the management strategies adopted for the reclaiming of salt-affected soil, waterlogged soil, and eroded soils.

D-794	Problems soil and water	CO3	To able to understand distribution of wastelad in india and importance of their management.
		CO4	Students will be able to identify the causes and factors that contribute to wasteland conversion in India.
		CO5	To be able to understand the management of soil in Arid and Semi-Arid region of India.
D-795	Dairy chemistry and animal nutrition	CO1	To be able to underastand about milk composition and milk preservation.
		CO2	To gain understanding about milk chemistry.
		CO3	To be able to classify animal nutrition on the basis different ways.
		CO4	To understand the metabolism of different biochemicals.
		CO5	To understand role of micro molecules in animal feeding.
D-796	Computer application	CO1	To understand the basic concept of windows, operating system and various applications.
		CO2	To understand basic knowledge MS excel and their applications.
		CO3	To be able to understand the basic idea power point presentations and how to use it like creation of PPT on any topic.
		CO4	To understand the basic concept of windows, operating system and various applications.
D-891	Rural Agricultural Work Experience and Agro-industrial	CO1	Students will get an on campus training from various faculties before step into the village attachment and Agro-industrial attachment.
		CO2	To enable the students to understand the issues related to farming and rural development in a natural setting on real-time basis.

	Industrial Attachment (RAWE &AIA)	CO3	The course also provides opportunities for the students to understand and learn about the functioning of the extension organizations.
		CO4	Course provides opportunities for the students to attach with the Agri related industries and make them know about the functioning them.

To understand the knowledge of Plant Patholo

To identify elements of business success in agriculture as well as elements that determin

gy.

e economic role of agriculture in national economy.