I. B.Voc. Agriculture Technology	Course code	Course Title	Course outcome
,	VAT 101	Production Technology for ornamental Plants & Landscaping	This course will provide basic and practical knowledge, importance, division and classification of horticultural crops, various plant propagation techniques, and cultivation practices. As horticulture crops are important source of vitamins and minerals.
	VAT 102	Practical Cultivation of Ornamental Plants	Students will get acquainted with detailed practices and cultivation of fruit and vegetable crops; this will help them to enhance the production of horticulture crops using scientific methods.
	VAT 103	Production Technology of Cereal and Millet Crops	Knowledge of improving production of cereal and millet crops will be imparted
	VAT 104	Practical Management of Cereals and Millets	Practical knowledge of cultivation practices of growing cereals and millets will be given.
	VAT 105	Practical Soil Testing	Teaches the students various methods of soil sampling and soil testing that will help in determining soil fertility.
	VAT 106	Practical Plant Propagation Techniques	Students are imparted training in various plant propagation techniques which will be helpful for establishing a nursery.
	VAT 107	Agricultural Meteorology	The course of agro meteorology studies the behavior of the weather elements that have direct relevance to agriculture and their effect on crop production. Environmental conditions are important to success of agricultural crops. Weather and climate are such factors determining the success or failure of crop.
	VAT 108	Practical Application of Agricultural Meteorology	Student will learn at the end of the course: Mitigation measures such as shelterbelts against cold and heat waves, effective environmental protection. etc. Efficient management of soils according to weather action. Selection of crop depending upon the weather and climatic conditions. Cost effective irrigation, ploughing, harrowing, weeding etc. planning as per weather forecast. Reducing losses of applied chemicals and fertilizers and chemical sprays when rain is forecast. Efficient and timely harvesting of all crops
	CEC 191	Cultural Education	Knowledge about our Indian Culture; traditions will be given
	ESC 191	Environmental Studies	It is a core course. Motto of this course is to create awareness amongst all the students about environment, environment related problems, harms of over-exploitation of natural resources and all possible solutions to mitigate environmental hazards. Eco friendly solutions for a sustainable development with case studies will make the learning more meaningful
	GKC 191	General Knowledge & Current Affairs I	Current affairs and G.K. will be taught
	RDC 191	Rural Development I	It is a core course .This course will provide an introduction to the theory and practice of rural development. Students will learn the concept and Importance; structure and problems of Rural Development.

	VAT 201 VAT 202	Production Technology of Vegetable Crops Practical Management of Vegetable	This course will provide knowledge about various rural development programs initiated by National and State Governments. Students will learn to developing questionnaire and schedule for Socio-economic survey of a rural area. Students will get practical knowledge about Socio-economic status of a village by surveying a village Students will get practical knowledge about block training centre/Agriculture farm/ Dairy farm by studying them. Students will learn cultivation practices and management of various vegetable crops. A practical hands on training will be given in cultivation and management practices of
	VAT 203	Crops Fundamental of Legumes and Oilseeds	vegetable crops To educate the students about the cultivation practices and management for various
	VAT 204	Practical Cultivation of Legumes and Oilseeds	leguminous and oil-seed crops. A practical hands on training will be given in cultivation and management practices of leguminous and oil-seed crops.
	VAT 205	Practical Basics of Computer IT and Internet	Basic skills of using computer and internet will be taught
	VAT 206	Practical Water Management and Irrigation System	Students are taught various practical methods and tests for testing water quality for irrigation along with various methods of irrigation prevalent currently. These will benefit the agriculture students to plan strategies of irrigation and type of water that could be used effectively for irrigation.
	VAT 207	Practical Repair and Maintenance of Farm Implements	Practical knowledge of repairing and maintaining agricultural tools and implements will be given in work shop.
	VAT 208	Practical Communication Skill	Personality development ;spoken English ; and basic skills in communication will be taught
	CRC 291	Comparative Study of Religion	Comparative study of various religions of India like Jainism; Buddhism etc. will be given
	GKC 291	General Knowledge & Current Affairs II	Current affairs and G.K. will be taught
23	RDC 291	Practical Agricultural Operation	It is a core course .This course will provide an introduction to the basic and fundamental knowledge about agriculture to students and help them to appreciate the dignity of labour and will encourage the students to learn by doing. This course will help in the development of six `H's in the personality traits of the students i.e. better Head, better Hand, better Heart, better Health, better Home, and feeling of Humility. This course will develop love for plants among students which can be used in development kitchen gardens and for beautification of fields, offices, homes etc.
III.B.Sc. (Applied Botany Sciences)			
	ABS 101	Fundamentals of Botany & its application	This course provides, relationships, structure, and function of plants. Topics include reproduction and development of seed and non-seed plants, levels of organization, form and function of systems, and a survey of major taxa. The course also introduce students to basic concepts of genetics and cellular and organelles structure and function. General

		account and importance of important plant groups and various disciplines of plant Sciences are
ABS 102	Principles of Agronomy	discussed briefly This course aims to provide students with an understanding of some of the important factors that affect crop productivity and can be applied to agriculture systems.
ABS 103	Practical Applied Botany Practical	Practicals based on ABS 101 & ABS 102
BOM101	Algae and Lichens	Large diverse group important to study to mitigate environment related problems and food crisis. Micro flora have vital role for well being of next generation. Symbiotic relationship between algae and fungi is exemplified by study of lichens
BOM 102	Fungi and Plant Pathology	Students will be able to differentiate between algae and fungi To impart knowledge related to general characters; nutrition; reproduction; ultra structure ,economic importance and classification of fungi Students will learn about true and allied fungi as well as gain knowledge of important fungal diseases and their life cycle.
BOM103	Practical Botany Practical & GD	Practicals based on BOM 101 & BOM 102 through microscopic slide preparations; permanent slides and museum specimens will be given.
BOW 103	Practical Work Experience (Modern Crop Production Tech)	It is a work experience based course. Practical knowledge of disease and Pest Management in Kharif Crops will be imparted through Field Survey, Collection of diseased plant parts, identification of major fungal, bacterial, and viral diseases and insects and phytonematodes
CHH/ ZOH 101	Chemistry/Zoology Theory	Introductory half course in chemistry or zoology.
CHH/ ZOH 103	Chemistry/ Zoology Practical	Practicals based on Half course theory
CEC 191	Cultural Education	Knowledge about our Indian Culture; traditions will be given
ESC 191	Environmental Science	It is a core course. Motto of this course is to create awareness amongst all the students about environment, environment related problems, harms of over-exploitation of natural resources and all possible solutions to mitigate environmental hazards. Eco friendly solutions for a sustainable development with case studies will make the learning more meaningful
GKC 191	General Knowledge & Current Affairs I	Current affairs and G.K. will be taught
RDC 191	Rural Development I	It is a core course .This course will provide an introduction to the theory and practice of rural development. Students will learn the concept and Importance; structure and problems of Rural Development. This course will provide knowledge about various rural development programs initiated by National and State Governments. Students will learn to developing questionnaire and schedule for Socio-economic survey of a rural area. Students will get practical knowledge about Socio-economic status of a village by surveying a village Students will get practical knowledge about block training centre/Agriculture farm/ Dairy farm by studying them.
ABS 201	Fundamental of Soil Science	Students learn about soil structure, soil types of India and crops that could be grown in those soils. It teaches the techniques of soil analysis

	1		& tests for determining its nutritive value and
			methods of improving sol quality by additives.
	ABS 202	Fundamental of Horticulture	This course will provide basic and practical knowledge, importance, division and classification of horticultural crops, various plant propagation techniques, and cultivation practices. As horticulture crops are important source of vitamins and minerals. Students will be getting acquainted with detailed practices and cultivation of fruit and vegetable crops this will help them how to enhance the production of horticulture crops using scientific methods.
	ABS 203	Practical Applied Botany Practical	Practicals based on ABS 201 & ABS 202
	BOM201	Bacteria, Virus and Mycoplasma	Students will learn salient features, Nature and characteristics, of bacterial cell; viruses; Mycoplasma; and Cyanobacteria. They will be able to differentiate among these microbes.
	BOM202	Cell Biology	Basic knowledge of Cell as a unit of structure and function; its evolution and Origin along with Organization and function of various cell organelles; cell cycle and genetic material will be imparted
	BOM203	Practical Botany Practical & GD	Practicals based on BOM 201 & BOM 202 through microscopic slide preparations; permanent slides and museum specimens will be given.
	BOW 203	Practical Modern Crop Production Tech. II	It is a work experience based course. Practical knowledge of disease and Pest Management in Rabi Crops will be imparted through Field Survey, Collection of diseased plant parts, identification of major fungal, bacterial, and viral diseases and insects and phyto nematodes
	ENG /ECO 291	English/Economics	Personality development ;spoken English ; and basic skills in communication will be taught
	CRC 291	Comparative study of religion	Comparative study of various religions of India like Jainism; Buddhism etc. will be given
	GKC 291	General Knowledge & Current Affairs I	Current affairs and G.K. will be taught
	RDC 291	Practical Agricultural Operation	It is a core course .This course will provide an introduction to the basic and fundamental knowledge about agriculture to students and help them to appreciate the dignity of labour and will encourage the students to learn by doing. This course will help in the development of six 'H's in the personality traits of the students i.e. better Head, better Hand, better Heart, better Health, better Home, and feeling of Humility. This course will develop love for plants among students which can be used in development kitchen gardens and for beautification of fields, offices, homes etc.
25	RDC 292	Practical Social Service	NSS
III. BAMBOO APPLICATION TECHNOLOGY Modular Course			
	MBT101	Practical	An introduction to bamboo
	MBT102	Practical	Bamboo in building construction
	MBT103	Practical	Bamboo-based industries and employment
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