

**1.1.1. Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the Institution.**

**Response:**

Curricula developed and implemented have direct relevance to the local, national, regional and global developmental needs. It is reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the Programmes. These efforts are regulated by the Board of Faculty, Academic Council, and Board of Management at various academic levels. In the current competitive landscape, employers seek job-ready candidates who possess both essential professional knowledge and practical skill sets to immediately contribute towards organizational mandate. To achieve this, we must view the curriculum of each course not as a static entity, but rather as a dynamic, powerful, and pivotal tool that reflects the current and future industry demands at local, regional, national, and international levels. To cater the immediate requirements of our local students from diverse vernacular backgrounds, particularly those with limited financial resources and agricultural roots, we offer comprehensive programmes such as B.Sc. (Hons.) in Agriculture, B.Sc. Horticulture, as well as Postgraduate and Doctoral degrees in Agricultural Sciences. Our curriculum emphasizes modern farming methods and techniques. Notably, we have incorporated courses like Crop Production Technology, Organic Farming, Practical Crop Production, Rural Entrepreneurship Awareness Development Yojana (READY), Precision Farming, Diseases of Field and Horticultural Crops and their Management, Livestock & Poultry Management and Sustainable Agriculture. These courses align with contemporary educational standards. The university is located in Western Uttar Pradesh and falls under National Capital Region. In the regional context, the economy of Western Uttar Pradesh relies on sugarcane farming, and agriculture-based industries like food processing and dairy processing industries. In order to offer specialized B.Tech. programmes in Food Technology, Dairy Technology, and Sugarcane Science & Technology. In order to address the challenges of farming issues of mechanization and post-harvest technology, we offer B.Tech. programmes in Agricultural Engineering, Biotechnology, and Veterinary Science align with current and near-future national and international demands of biofortified foods and livestock related issues. The programme outcomes (POs) for B.Tech. in Biotechnology and Bachelor of Veterinary Science equip students to apply cross-functional knowledge and technologies, to solve real-world challenges in crop and animal improvement and management. The curriculum is

designed based on learning outcomes. Students have the flexibility to choose subjects of their interest through the Choice Based Credit System. Periodic revision of the syllabus and the introduction of new courses from time to time allow the university to stay up to date with global and national trends, as well as local and regional needs. Departments provide project-oriented courses, fostering student engagement with real-world solutions and industry connections. Our faculty members maintain industry connections through academic collaborations, guest speaker interactions, and alumni engagement. The University employs modern educational techniques to instil in its students the skills of logical analysis, practical applications, and inventive problem-solving. The course of study is designed to prepare students for the job market, incorporating research and design endeavours, collaborative education systems, service learning programmes, internships, and cultural immersion.