



Chhatrapati Shahu Ji Maharaj University, Kanpur



**School of Advanced Agricultural Science and Technology invites applications
from experts in the field of Agriculture and Allied Sciences for appointment to the post of
“Professor of Practice”**

Roles and Responsibilities:

1. Curriculum Development and Teaching:

- Design and develop advanced courses and modules on the various components of the agriculture and allied sciences and human actions that promote environmental consciousness.
- Deliver lectures and conduct practical sessions to help students improve their skill in the field of agriculture and allied sciences, etc.

2. Mentoring and Training:

- Provide guidance to students interested in agriculture and allied sciences, etc.
- Guide students in preparing for competitions in agriculture and allied sciences, etc at both the National and International levels.
- Training sessions, boot camps, and workshops are organized to help students gain problem-solving skills.
- Training to be provided at various levels at village, forest and industry level.

3. Industry-Academia Collaboration:

- Collaborate with industry experts to bring real-world environmental challenges into the academic environment.
- Foster relationships with tech companies to facilitate internships, guest lectures, and collaborative projects.

4. Research and Innovation:

- To promote environmental awareness by encouraging and supporting students to conduct research in plant sciences, environmental sciences, water harvesting, water recycling natural/organic farming and other areas of agricultural sciences.

5. Event Organization:

- Organize and oversee intra-university environmental science/agricultural sciences competitions to identify and nurture talent.
- Organize hands on practice in the area of agriculture and environment science.
- Coordinate with other faculty members to ensure the smooth execution of environmental contests and related events.

6. Skill Development and Student Engagement:

- Promote environmental awareness and conserve water by using innovative water harvesting techniques, online platforms, indigenous technique, and environmental socialist communities to engage students beyond the classroom.
- Track and monitor student progress and provide continuous feedback to help them improve.
- Promoting natural farming by improving soil fertility, water resources management etc. and utilization of animal and plant residue.

Qualifications and Experience:

- Candidates with a significant professional track record in agriculture science and allied science or related areas may be considered even if they do not have formal academic qualifications.
- Distinguished experts who have made remarkable contributions in their professions from various fields such as agriculture science, technology, entrepreneurship, environmental science, social sciences, food and food product, rearing domestic animal, watershed development, water-harvesting, watershed management, water recycling, natural/organic farming, plantation, small green energy systems.
- Those who have proven expertise in their specific profession or role with at least 5/10/15 years of service/experience.

Area of Specialization

1. Agronomy

Requirement for Assistant Professor/Associate Professor/Professor of Practice:

- **Expertise:** Strong background in the field of agronomy, including knowledge of increasing crop yields, balance agricultural production with the protection of soil, water and ecosystems, and promote sustainable agriculture.
- **Experience:** Minimum 5/10/15 years' experience in crop production and management such as cereal crops, pulse crops, oilseed, fibre crop, etc.
- **Roles and Responsibilities:**
 - Develop and teach courses on crop production of cereals, pulses, and oil seed etc.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in crop production and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

2. Horticulture

Requirement for Assistant Professor/Associate Professor/Professor of Practice:

- **Expertise:** Extensive knowledge of vegetables, balancing horticulture production with fruit science, floriculture, water management, plant propagation and production and natural/organic farming.
- **Experience:** Minimum 5/10/15 years' experience in fruit science, vegetable science, floriculture science, medicinal and aromatic plant, etc.
- **Roles and Responsibilities:**
 - Develop and teach courses on horticulture *viz* fruit, floriculture, vegetable, etc.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in horticulture production *viz* fruit, floriculture, vegetable, medicinal and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

3. Soil Science

Requirement for Assistant Professor/Associate Professor/Professor of Practice:

- **Expertise:** Depth knowledge of soil science, agriculture chemistry and agriculture microbiology.
- **Experience:** Minimum 5/10/15 years' experience in soil science, agriculture chemistry and agriculture microbiology.
- **Roles and Responsibilities:**
 - Develop and teach courses on soil science/agriculture chemistry/agriculture microbiology.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in soil science and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

4. Animal Husbandry & Dairying

- **Expertise:** Extensive knowledge of animal husbandry, dairy technology, dairy chemistry, dairy microbiology, dairy engineering.
- **Experience:** Minimum 5/10/15 years' experience in the field of animal husbandry and dairy sciences.
- **Roles and Responsibilities:**
 - Develop and teach courses on animal husbandry and dairy science.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in livestock production management and dairy science and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

5. Food Science and Technology

- **Expertise:** Depth knowledge of food science and technology, food engineering, food chemistry, food microbiology, etc.

- **Experience:** Minimum 5/10/15 years' experience in the area of food science and technology.
- **Roles and Responsibilities:**
 - Develop and teach courses on food science.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in food science and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

6. Plant Science

- **Expertise:** Strong knowledge of plant science, plant physiology, plant protection, seed science, etc.
- **Experience:** Minimum 5/10/15 years' experience in the area of plant science.
- **Roles and Responsibilities:**
 - Develop and teach courses on plant science.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in plant science and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

7. Environmental Science

- **Expertise:** Extensive knowledge of environmental science.
- **Experience:** Minimum 5/10/15 years' experience in environmental science, earth's physical and biological environment, and to the social, political and culture processes that affect planetary, marine and fresh water system and environment remediation and conservation.
- **Roles and Responsibilities:**
 - Develop and teach courses on area of environmental science.

- Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
- Leading research initiatives in environmental science and promoting industry partnerships for collaborative projects.
- Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

8. Agriculture Extension/Economics

- **Expertise:** Depth knowledge of agriculture extension and economics.
- **Experience:** Minimum 5/10/15 years' experience in agriculture extension and economics.
- **Roles and Responsibilities:**
 - Develop and teach courses on agriculture extension and economics.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in soil science and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

9. Agriculture Engineering

- **Expertise:** Depth knowledge of agriculture extension and economics.
- **Experience:** Minimum 5/10/15 years' experience in the area of agriculture engineering.
- **Roles and Responsibilities:**
 - Develop and teach courses on agriculture engineering.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in agriculture engineering and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

10. Social Entrepreneurship

- **Expertise:** Comprehensive knowledge of social entrepreneurship in agriculture.
- **Experience:** Minimum 5/10/15 years of experience in organizing Kisan Goshthi, interacting with farmers and KVKs Scientists, research stations.
- **Roles and Responsibilities:**
 - Develop and teach courses on social entrepreneurship in the field of agriculture.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in social entrepreneurship and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.

11. Agriculture Mass Communication & Journalism

- **Expertise:** Depth knowledge in the field of Agriculture Mass Communication & Journalism
- **Experience:** Minimum 5/10/15 years' experience in Agriculture Mass Communication & Journalism.
- **Roles and Responsibilities:**
 - Develop and teach courses on Agriculture Mass Communication & Journalism.
 - Develop hands-on laboratories and simulations to train students in identifying and mitigating security threats.
 - Leading research initiatives in Agriculture Mass Communication & Journalism and promoting industry partnerships for collaborative projects.
 - Organize workshops and seminars to keep students and teachers updated about the latest agricultural technology trends and advancements.