BABU DINESH SINGH UNIVERSITY

GARHWA, JHARKHAND

PROSPECTUS
2026-27

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FACULTY OF
AGRICULTURAL SCIENCE AND FORESTRY

Knowledge | Innovation | Sustainability

B.Sc. (Hons.) AGRICULTURE

ACADEMIC SESSION : 2026-27

QUALITY EDUCATION | PRACTICAL LEARNING | RESEARCH AND INNOVATION | EXTENSION AND COMMUNITY SERVICE

A Constituent Faculty of

BABU DINESH SINGH UNIVERSITY

GARHWA, JHARKHAND

Campus: Garhwa, Jharkhand
Website: www.bdsu.ac.in
Mobile: 9661462506, 6206297213

Empowering Future Agriculturists Through Innovation, Research & Sustainable Farming

About the Faculty

- The Faculty of Agricultural Science and Forestry, established under Babu Dinesh Singh University in April 2026, aims to promote quality agricultural education, research, innovation, and extension activities in the region.
- The Faculty is committed to developing professionally competent, technically skilled, and socially responsible graduates capable of contributing to sustainable agriculture, food security, environmental conservation, and rural development.
- The Faculty is commencing the B.Sc. (Hons.) Agriculture programme from the academic session 2026–27 as per ICAR recommendations and NEP 2020 guidelines.
- The programme emphasizes multidisciplinary learning, practical training, research orientation, entrepreneurship, and sustainable agricultural practices to address modern agricultural challenges.
- The Faculty provides modern infrastructure including smart classrooms, laboratories, demonstration fields, library facilities, internet connectivity, and field exposure opportunities.
- The Faculty aspires to emerge as a centre of excellence in agricultural education and research while serving farming communities and rural society through scientific and technological advancement.

Vision

To establish the Faculty of Agricultural Science and Forestry as a centre of excellence in agricultural education, research, innovation, and extension
for sustainable agricultural development and rural prosperity. The Faculty
aims to provide quality education and practical training in agriculture and allied sciences with special emphasis on scientific farming, food security, environmental sustainability, and upliftmentof rural communities.

Mission

To impart quality agricultural education through innovative teaching, practical training, research, and extension activities in accordance with UGC–NEP 2020 and ICAR guidelines. To develop professionally competent, technically skilled, and socially responsible agricultural graduates capable of addressing contemporary challenges in agriculture and allied sectors. To promote entrepreneurship, scientific temperament, ethical values, and sustainable agricultural practices for the welfare of society and national development.

Message from Honorable Chancellor

Our vision is based on hard work, academic excellence, innovation, discipline, and social responsibility. The establishment of the Faculty of Agricultural Science and Forestry under Babu Dinesh Singh University, Farathiya, Garhwa in April 2026 marks an important step towards strengthening agricultural education and rural development in the region. The Faculty has been established especially in the interest of the farming community, weaker sections of society, and students belonging to this undeveloped aspirational district and surrounding backward regions, where access to quality agricultural education has remained limited.

The programme B.Sc. (Hons.) Agriculture aims to prepare students with scientific knowledge, technical skills, research aptitude, and entrepreneurial capabilities so that they may contribute effectively towards agricultural advancement, food security, environmental protection, and rural prosperity. Learning should always be practical, innovative, and connected with real-life agricultural challenges and opportunities. The Faculty is committed to providing quality education, skill development, and value-based learning to rural youth so that they may become self-reliant and capable of contributing to the agricultural economy of the region.

Special emphasis will be given to practical training, field exposure, sustainable farming practices, and modern agricultural technologies for improving farmers' livelihoods. We strongly believe that education should empower students with academic knowledge, ethical values, leadership qualities, and a spirit of service towards society. Through this Faculty, the University aims to create competent agricultural professionals, researchers, entrepreneurs, and future leaders who will contribute meaningfully to national development and rural transformation.

We welcome aspiring students to become part of the Faculty of Agricultural Science and Forestry and join us in our mission of promoting sustainable agriculture, inclusive growth, rural empowerment, and quality higher education for the youth of this region.

Dinesh Prasad Singh
Chancellor
Babu Dinesh Singh University

Message from Pro Chancellor

It gives me great pleasure to announce the commencement of the **B.Sc. (Hons.) Agriculture** programme under the Faculty of Agricultural Science and Forestry at Babu Dinesh Singh University, Farathiya, Garhwa from the academic session **2026–27.**

Agriculture is the backbone of our nation's economy and the foundation of rural prosperity. In a region like Garhwa and nearby backward and aspirational areas, agricultural education has a vital role in empowering youth, strengthening farming communities, and promoting sustainable development. The establishment of this faculty is an important step towards providing quality professional education in agriculture and developing skilled human resources for the future.

Our vision is to develop this faculty as a centre of academic excellence, practical learning, innovation, and rural development. The programme has been designed to provide students with scientific knowledge, field exposure, modern agricultural technologies, and entrepreneurial skills required to meet present and future agricultural challenges.

I extend my best wishes to all aspiring students, faculty members, and stakeholders associated with this important initiative. I am confident that the Faculty of Agricultural Science and Forestry will emerge as a leading institution for agricultural education, research, and extension activities in the region.

Pawan Kumar Singh
Pro Chancellor
Babu Dinesh Singh University

Message from Honorable Vice-Chancellor

It gives me immense pleasure to welcome all students, parents, academicians, and stakeholders to the progressive journey of Babu Dinesh Singh University as the founding Vice-Chancellor. It is an honor and privilege to lead the University toward academic excellence and inclusive development.

I am delighted to announce the establishment of the Faculty of Agricultural Science and Forestry at Babu Dinesh Singh University, Farathiya, Garhwa, Jharkhand in April 2026. This marks a significant step toward strengthening agricultural education, research, innovation, and rural development in the region. The Faculty is commencing the **B.Sc. (Hons.) Agriculture** programme, a four-year undergraduate degree course, from the academic session 2026–27 with an intake capacity of 120 students per year, as per ICAR guidelines and NEP 2020.

The University is committed to providing a healthy academic environment with modern infrastructure, advanced laboratories, smart classrooms, research facilities, demonstration farms, library resources, and opportunities for innovation and extension activities. Our objective is to impart knowledge and develop professionally competent, socially responsible, and technically skilled agricultural graduates to address contemporary challenges.

I express my sincere gratitude to the sponsoring body, Vananchal Educational and Welfare Trust, for its continuous support and commitment to advancing professional and higher education in the region.

I invite all aspiring students to join the Faculty of Agricultural Science and Forestry and become part of this academic mission dedicated to excellence, innovation, and national development.

Prof. (Dr.) M. K. Singh
Vice-Chancellor
Babu Dinesh Singh University, Garhwa

MESSAGE FROM DEAN

As the Founding Dean of the **Faculty of Agricultural Science and Forestry at Babu Dinesh Singh University,** I warmly welcome all students, faculty, and stakeholders. The establishment of this faculty is a pivotal step in nurturing agricultural education in this backward region of Jharkhand. Agriculture forms the backbone of India's economy, and our mission is to empower students with scientific knowledge, practical skills, and innovative thinking.

Our **B.Sc. (Hons.) Agriculture** programme, aligned with UGC – New Education Policy **(NEP) 2020** and **ICAR** guidelines, offers a blend of theory, hands-on training, and field exposure. The Faculty aims to provide a dynamic academic environment supported by modern laboratories, smart classrooms, demonstration fields, library facilities, and extension activities for the holistic development of students.

We strongly believe that education should not only provide knowledge but also inspire **innovation, leadership, responsibility,** and **service to society**. Our objective is to nurture future agricultural scientists, entrepreneurs, extension specialists, administrators, and researchers who will contribute significantly to agricultural advancement and national development.

I warmly invite students to join the Faculty of Agricultural Science and Forestry and become part of this new academic journey dedicated to **excellence, innovation, sustainability, and rural transformation.**

With best wishes for a bright and successful future.

Dr. Ashok Kumar
Dean
Faculty of Agricultural Science and Forestry

Programme/Course Details

Particulars	Details
Name of Programme	B.Sc. (Hons.) Agriculture
Duration	4 Years (8 Semesters)
Academic Session	2026–27
Intake Capacity	120 Students
Eligibility	10+2 with Science/Agriculture
Mode of Study	Regular
Medium of Instruction	English
Degree Awarded	B.Sc. (Hons.) Agriculture

Key Features:

- UGC New Education Policy- 2020 and ICAR based Syllabus.
- Experienced Faculty.
- Well- Equipped Laboratories.
- Adequate area under instructional farm and practical Training units like Fishery & Dairy.
- Research and Innovation Facilities.
- Library with adequate number of books and digital learning.
- Student READY/RAWE programme
- Extensionand Farmer Outreach.
- Placement and Enterprenurship support.
- Rich Infrastructure and students facilites.
- Good academic environment.
- Use of Modern Technologies.

Process of Admission & Eligibility

Direct Admission of candidates seeking admission must have:

- Passed 10+2 or equivalent examination
- Science/Agriculture stream with relevant subjects
- Fulfilled eligibility norms prescribed by the University

Course Fee Detail

Duration	Application	Admission	Development	Library	Tuition Fee	T&P
4 years	1000	5000	2000 Per Semester	1000 Per Semester	30,000 Per Semester	5000
				Total Fee		**2,66,000**

- 20% Scholarship on tuition fee in Academic year 2026-2027
- Effective amount after scholarship =2,18000.
- Hostel Fee: 22000/- Per Annum + 7,500 at Time of Admission.
- Food Charge: 3200 Per Month in Hostel Mess.

Scholorship

- Students are benefitted Govt. scholarship
- The University Provides fee waiver benefits to deserving students.

Documents Required at the Time of Admission

- 10th Marksheet and Certificate or Provisional
- 12th Marksheet and Certificate or Provisional
- Transfer Certificate (CLC/TC or last Passed examination)
- Migration Certificate of last Passed examination
- Character Certificate
- Aadhaar Card Photocopy
- ABC ID Number
- 10 Passport Size Photographs
- All document need to give original with 3 set of Photo copies.

Student Support Facilities

- Academic Mentoring
- Career Guidance and Counseling
- Competitive Examination Support
- Placement Assistance
- Scholarship Guidance
- Personality Development Programmes
- Skill Development Workshops

Major Departments Under the Faculty

1. Agronomy and Agroforestry.
2. Soil Science and Agricultural Chemistry.
3. Genetics and Plant Breeding.
4. Horticulture.
5. Agricultural Extension education.
6. Entomology.
7. Plant pathology.
8. Agricultural Engineering.
9. Agricultural Economics.
10. Agricultural Meteorology.
11. Plant Physiology
12. Animal Husbandry and Dairy Science.
13. Statistics and Computer Applications.
14. Agricultural Business Management (Agri- Business)

Objectives of the Programme

The programme is designed to:

1. Provide comprehensive knowledge of agricultural sciences.
2. Develop practical and technical skills through field-based learning.
3. Promote scientific thinking and problem-solving ability.
4. Encourage innovation and entrepreneurship in agriculture.
5. Prepare students for higher education, research, and competitive examinations.
6. Train students in sustainable and climate-smart agricultural practices

Curriculum Structure

The curriculum is designed according to modern agricultural education standards and includes:

- Fundamental Agricultural Sciences
- Laboratory and Practical Classes
- Crop Production Activities
- Field Visits and Demonstrations
- Rural Agricultural Work Experience (RAWE)
- Experiential Learning Programme (ELP)
- Skill Development Courses
- Entrepreneurship Development
- Project Work and Seminars

The programme follows a semester system comprising eight semesters over four academic years.

Practical Exposure and Skill Development

- Experimental Farms
- Laboratory Training
- Field Demonstrations
- Village Attachment Programmes
- Farmer Interaction Programmes
- Industrial Visits
- Internship and Experiential Learning
- Agricultural Entrepreneurship Training

Course outcome of B.Sc. (Hons) Agriculture Course

After successful completion of the B.Sc. (Hons.) Agriculture programme, the graduates will be able to:

- **Acquire Fundamental Agricultural Knowledge**

Gain comprehensive knowledge in Agronomy, Soil Science, Genetics & Plant Breeding, Horticulture, Plant Pathology, Entomology, Agricultural Economics, Agricultural Engineering, Extension Education, and allied agricultural sciences.

- **Apply Scientific Principles in Agriculture**

Utilize scientific and modern agricultural techniques for sustainable crop production, soil management, plant protection, irrigation, and resource conservation.

- **Develop Problem-Solving Ability**

Identify and solve field-level agricultural problems related to crops, pests, diseases, climate variability, soil fertility, and farm management using scientific approaches.

- **Promote Sustainable Agriculture**

Understand the importance of eco-friendly farming systems, organic farming, integrated nutrient management, integrated pest management, and climate-resilient agriculture.

- **Enhance Practical and Technical Skills**

Acquire hands-on training through laboratory work, field visits, Rural Agricultural Work Experience (RAWE), experiential learning, and skill development programmes.

- **Strengthen Research and Innovation Capacity**

Develop basic research aptitude, data analysis skills, experimental techniques, and innovative thinking for agricultural advancement.

- **Develop Entrepreneurship and Leadership**

Gain entrepreneurial skills for self-employment and agribusiness ventures

such as seed production, mushroom cultivation, nursery management, dairy, poultry, agri-clinics, and agro-industries.

- **Improve Communication and Extension Skills**

Effectively communicate agricultural technologies and innovations to farmers and stakeholders through extension and advisory services.

- **Prepare for Higher Education and Competitive Examinations** Become competent for higher studies such as M.Sc. Agriculture, MBA (Agri-Business), and competitive examinations including ICAR-JRF,UPSC, State Agriculture Services, Banking, and other government sectors.

- **Contribute to National Agricultural Development**

Serve society by contributing towards food security, rural development, sustainable agriculture, and enhancement of farmers' livelihood.

- **Develop Professional Ethics and Social Responsibility** Demonstrate ethical values, environmental consciousness, teamwork, and responsibility towards farming communities and society.

- **Adopt Modern Agricultural Technologies**

Gain awareness and application skills related to precision farming, ICT in agriculture, remote sensing, artificial intelligence, protected cultivation, and smart farming technologies.

Future Prospect of B.Sc. (Hons.) Agriculture

B.Sc. (Hons.) Agriculture is a professional undergraduate degree programme that offers vast career opportunities in agricultural sciences, agribusiness, research, education, banking, government services, and entrepreneurship. Agriculture plays a vital role in the Indian economy and food security; therefore, skilled agricultural graduates are in high demand in both public and private sectors.

The scope of B.Sc. (Hons.) Agriculture includes the following areas:

Higher Education and Research

- M.Sc. Agriculture in various disciplines
- MBA in Agri-Business Management
- M.Tech. in Agricultural Engineering
- Ph.D. programmes in Agricultural Sciences
- ICAR-JRF and SRF programmes
- Research careers in agricultural universities and institutions

Government Job Opportunities

- Agriculture Officer
- Horticulture Officer
- Plant Protection Officer
- Block Agriculture Officer
- ATM, BTM, DyPD, & PD in ATMA
- Agriculture Development Officer
- Seed Certification Officer
- Food Safety Officer
- Rural Development Officer
- Agricultural Extension Officer
- Scientific Assistant in research institutes

They are also eligible for:

- UPSC Civil Services
- State Public Service Commission examinations
- IBPS Agriculture Field Officer (AFO)
- FCI, NABARD, and other banking/recruitment examinations

Opportunities in Private Sector

- Seed companies
- Fertilizer industries
- Pesticide industries
- Food processing industries
- Agri-tech companies
- Agricultural marketing firms
- Dairy and poultry industries
- Export and import companies related to agriculture

Entrepreneurship and Self-Employment

- Organic farming
- Mushroom cultivation
- Floriculture
- Nursery management
- Beekeeping
- Dairy farming
- Poultry farming
- Seed production
- Vermicomposting
- Agri-clinic and agri-business centres

Scope in Research and Innovation

- Development of improved crop varieties
- Climate-resilient agriculture
- Sustainable farming technologies
- Precision farming and smart agriculture
- Soil and water conservation research
- Integrated pest and disease management

International Opportunities

- International agricultural organizations
- NGOs and development agencies
- Foreign universities and research institutions
- Global agri-business companies

Agriculture graduates play a significant role in:

- Food and nutritional security
- Rural development
- Farmer welfare
- Environmental sustainability
- Agricultural modernization and economic growth

Thus, B.Sc. (Hons.) Agriculture is a multidisciplinary and career-oriented programme with excellent prospects for employment, higher education, entrepreneurship, and national development.

Facilities

Smart Class rooms

Central / Library

Modern Laboratories

Training & Placement Cell

Experimental Field

Fishery unit

Dairy unit

Auditorium

Hostel & Mess

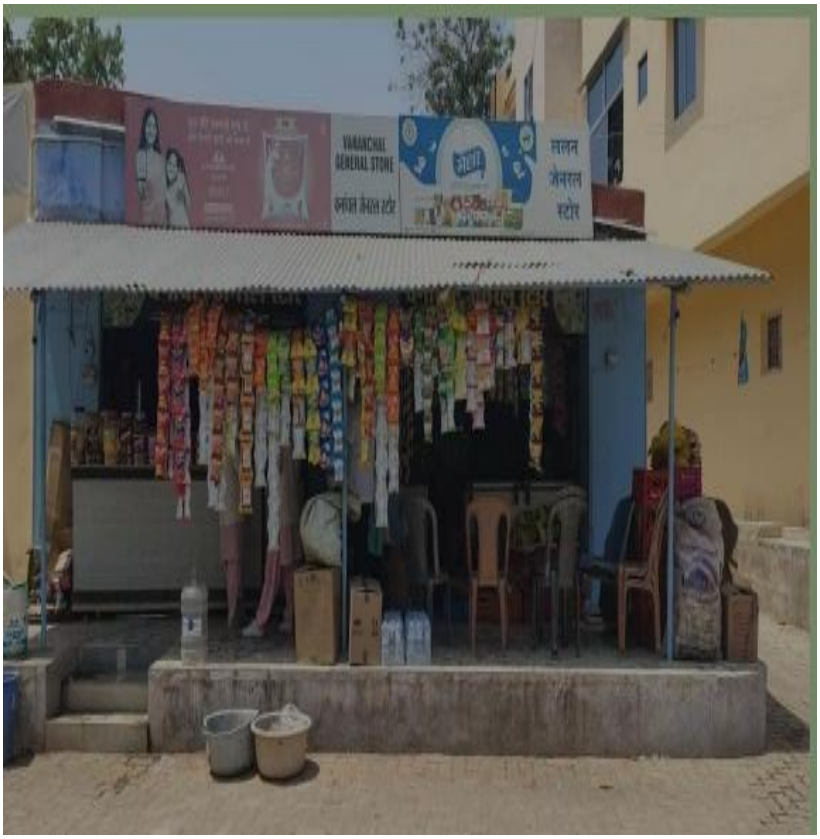
Guest House

Cafeteria

Transport

Bank / ATM / Post Office

- **General Store**



Medical Store

- **Hospital (OPD & IPD) , & Minor OT.) Ambulance Service .**

CONTACT & COMMUNICATION DETAILS -

Faculty of Management Studies & Research

Babu Dinesh Singh University (BDSU)

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