

मत्स्यकी महाविद्यालय

मत्स्य विज्ञान की शिक्षा, अनुसंधान व प्रसार कार्यों के महत्व और आवश्यकता को देखते हुए नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय कुमारगंज, फैजाबाद में वर्ष 1986 में भारतीय कृषि अनुसंधान परिषद, नई दिल्ली एवं राज्य सरकार के आर्थिक सहयोग से एक मत्स्य विज्ञान विभाग की स्थापना की गई थी। यह विभाग शोध, शिक्षा एवं प्रसार के कार्यों को समुचित रूप से करता चला आ रहा था। पुर्वांचल के 25 जिलों के मत्स्य विकास की आवश्यकता को देखते हुए राज्य सरकार ने इसे वर्ष 2005-07 में महाविद्यालय का स्वरूप प्रदान कर दिया। इस महाविद्यालय में 2006-07 से चार वर्षीय बी० एफ० एससी० का स्नातक स्तर का शिक्षण 12 छात्रों के प्रवेश के साथ शिक्षा सत्र 2006-07 से प्रारम्भ किया है। इस संकाय का प्रथम बैच इसी वर्ष 2009-10 में उत्तीर्ण हुआ है। प्रथम बैच में उत्तीर्ण हुए सभी 11 छात्रों का चयन अखिल भारतीय परिक्षाओं द्वारा देश के विभिन्न शिक्षण संस्थानों में जैसे पंतनगर कृषि विश्वविद्यालय, मात्स्यकी शिक्षा संस्थान मुम्बई, केन्द्रीय कृषि विश्वविद्यालय, पंजाब कृषि विश्वविद्यालय आदि संस्थानों में स्नातकोत्तर पाठ्यक्रम में प्रवेश हुआ है। महाविद्यालय को सुचारु रूप से चलाने हेतु इसमें सात विभिन्न विभागों एवं एक शैक्षिक मत्स्य प्रक्षेत्र की स्थापना की गयी। राज्य सरकार के आर्थिक सहयोग से महाविद्यालय का मुख्य भवन, छात्रावास, आवास एवं आधुनिक मत्स्य प्रक्षेत्र का निर्माण कार्य पूरा हो चुका है। वर्तमान में राज्य सरकार के आर्थिक सहयोग से मुख्य भवन के साज-सज्जा का कार्य चल रहा है तथा आगामी शिक्षा सत्र से इसमें 40 छात्रों के प्रवेश देने की प्रक्रिया की जा रही है। राज्य सरकार के आर्थिक सहयोग से महाविद्यालय का एक अनुभाग मात्स्यकी उद्यमिता प्रशिक्षण केन्द्र जनपद गोण्डा में स्थापित किया जा रहा है। इस केन्द्र में प्रशिक्षण एवं प्रसार का कार्य प्रारम्भ किया जायेगा। मात्स्यकी महाविद्यालय के अन्तर्गत मत्स्य पालकों हेतु शासन द्वारा दो परियोजनाएं संचालित हैं जिसके द्वारा पूर्वी उत्तर प्रदेश के जनपदों के मत्स्य पालकों को प्रशिक्षण प्रदान किया जाता है तथा उनको उच्च गुणवत्ता के मत्स्य बीज की भी आपूर्ति की जाती है जिससे उनका व प्रदेश का मत्स्य उत्पादन बढ़ सके।

COLLEGE OF FISHERIES ACHIEVING NEW HIGHTS

Uttar Pradesh is the most populous state of the Indian union, occupying 9 percent of the total geographical area of the country. Uttar Pradesh is an inland state having vast resources of water in the form of rivers, reservoirs, canals and lakes (total water resources 11.65 lakh ha, out of which 7.20 lakh ha running water and 4.15 lakh ha stagnant water). The utilization of stagnant water for aquaculture is only 2.32 lakh ha which approximately 54 per cent of the total. The present fish production from all water resources is 2.60 lakh tonnes. Though the fish production has increased during last two decades however, the production and productivity in the state is still low as compared to other fish producing states.

Realizing the vast potential of fish production from available water resources in the state and need for professionally qualified personnel for developing fisheries, university had started a department of fisheries in the College of Agriculture in 1986 with the financial assistance of state government and ICAR, New Delhi. State government has sanctioned a College of Fisheries in the university and provided Rs. 14.66 crores for the construction of the college building, hostels and residences. Construction of college, Instructional farm, building and hostels are completed and furnishing work of the main building is going on. Bachelor of fisheries Science (B.F.Sc.) degree programme has already been started in the college from academic session 2006-07 and recommendations of IVth Dean's Committee of ICAR, is also adopted from session 2007-08. This college was first in the country to adopt this programme.

The quality graduates from the college would man the activities of government, teaching, research and extension to fully exploit the water resources of the state lead to production and processing of fish and fish products to improve the financial conditions of the fish farmers and the status of protein nutrition of our countrymen to keep them in good health. Presently, College of Fisheries has started undergraduate programme and later on post graduate as well as doctoral programmes will also be undertaken. The curricula and syllabi will be upgraded time to time as per the emerging needs of the state as well as recommendations of ICAR. Following are the mandate of the college.

1. To conduct education programmes leading to undergraduate (B.F.Sc.), postgraduate (M.F.Sc.) and doctoral (Ph.D) degrees.
2. To conduct applied research programmes leading to the development of fisheries with emphasis on inland aquaculture.
3. To conduct basic research in frontier areas of fishery sciences.
4. To carry out fisheries extension programmes through training, farm advisory and technical services, organizing gosthies for formers etc.

For proper functioning of the College of Fisheries in the university and in the light of IVth Dean's Committee recommendations the following seven departments are being established.

1. Department of Aquaculture
2. Department of Fishery Biology and Resource Management
3. Department of Fishery Pathology and Microbiology
4. Department of Harvest and Post Harvest Technology
5. Department of Fish Genetics and Biotechnology
6. Department of Limnology and Hydrography
7. Department of Fishery Extension, Statistics and Economics

INFRASTRUCTURE DEVELOPED

The main building of the college has four U.G. classrooms, seven P.G. classrooms, seven practical laboratories, six research laboratories, two wet labs, two central research labs, one computer/ARIS lab, one committee room, one information/exhibition hall, one examination hall, one library and two aquarium rooms for teaching and research purposes. These laboratories and classrooms need to be equipped with modern equipments. In addition to this separate hostels for boys' and girls', residential accommodation for all staff, canteen, instructional farm etc. are already constructed.

To achieve efficiency in the instructional programmes at undergraduate and post graduate level, an instructional fish farm with essential facilities like nursery, rearing, brood stock and grow out ponds have been established. Recently, with the financial assistance of ICAR, a Carp Hatchery is constructed with all modern facilities. Ten cemented experimental ponds of 100 m² each have also been constructed for various purposes. However, this instructional fish farm needs renovation and modernization to fulfill the future needs of the degree programmes.

ACADEMIC PROFILE

The college of fisheries is the smallest faculty in the university. At present there are only 11 sanctioned posts, university is requesting State Govt. for providing more posts in the college.

ACADEMIC PROGRAMME/SYSTEM OF EDUCATION

B.F.Sc. (Bachelor of Fisheries Science) is a 4 year degree course after 10+2 Science-Biology/Agriculture. It is a practical oriented professional course in which detailed theoretical instructions and intensive practical training are imparted in various aspects of fisheries science. At present 40 students are being admitted to this course through combined entrance test for the state (CATET). A total of 162 credits have to be completed by the candidates to become graduates. Semester system of education is followed in the programme. Each semester has 112 to 126 working

days. Examination system is 50 per cent internal and 50 per cent external. Ten (10) points grading system is followed with minimum Grade point Average (GPA) of 05.00 for passing a subject and over all GPA of 05.50 for obtaining a degree. All academic regulations are followed as per ICAR IVth Dean's Committee recommendations.

RURAL FISHERIES WORK EXPERIENCE (RFWE)

RFWE is a key component in the B.F.Sc. programme. Under this programme 1st semester of 4th year is fully devoted for Experiential Learning i.e. Hands-on training. In this programme students prepare a business/work plan for a specific area of specialization and end to end approach is followed in implementing the programme. Presently, this University has identified Aqua Farming and Seed Production as areas of specialization for this programme. In the second semester another programme In-plant training will be adopted by the students. In this programme each student or a batch of student will be sent to the aqua farm, hatchery, ornamental fish culture unit, processing plant, product development unit or export agency for their proper training.

STUDY TOUR

There is a compulsory course of study tour in 2nd year programme. In this programme the students are taken on tour to various ICAR institutions, fisheries colleges, fish markets, processing industry etc. This helps them to understand in depth the modern developments in fisheries and allied sciences in the country.

RESEARCH HIGHLIGHTS

In the field of inland fisheries, this college has successfully completed a number of research projects which were sponsored by National and International Agencies. The significant achievements made and package of practices developed so far are as follows

1. Development of culture practices of different species of fishers in usar land
2. Breeding of carps in usar ponds
3. Rice-Fish-culture
4. Mangur breeding in rice fields
5. Use of hormones in fish production and gonadal development

The college of fisheries is engaged in extension programme to enhance the fish production in the State. The college of fisheries is establishing a Fishery Entrepreneurship Training Center with financial assistance of State Government to cater the need of extension activities of the state.