GOVERNOR'S SECRETARIAT, BIHAR
RAJ BHAVAN, PATNA-800022

Letter No.-VKSU (Regulation)-15/2018- /GS(I), Dated-
From,
R.V.S. Parmar
Law Officer-cum-Incharge OSD(J)
To,
The Vice Chancellor
Veer Kunwar Singh University,
Ara.

Sub.:—Regarding approval of the Ordinance and Regulations for Bachelor of Industrial Fish and Fisheries course under Veer Kunwar Singh University, Ara (Bhojpur).

Sir,

I am directed to invite a reference to the University's letter No.-CCDC /2207/Estab./19 Dated- 07-08-2019 on the subject noted above and to inform that the Hon'ble Chancellor after due consideration of the proposal of the University and advise of the Advisory Committee and in exercise of the powers conferred upon him under section 38(2) and 39(2)(ii) of the BSU Act 1976 as amended up to date has been pleased to approve the Ordinance and Regulations for Bachelor of Industrial Fish and Fisheries course under Veer Kunwar Singh University, Ara, (Bhojpur).

Further necessary action may kindly be taken accordingly.

Yours faithfully,

(R.V.S. Parmar)
Law Officer-cum-Incharge OSD(J)

Memo No.- VKSU (Regulation)-15/2018-
Copy alongwith copy of approved Ordinance and Regulations for Bachelor of Industrial Fish and Fisheries course under Veer Kunwar Singh University, Ara, (Bhojpur) forwarded to the Principal Secretary, Education Department, Government of Bihar, Patna for information and necessary action.

Law Officer-cum-Incharge OSD(J)

Memo No.- VKSU (Regulation)-15/2018- Copy alongwith copy of approved Ordinance and Regulations for Bachelor of Industrial Fish and Fisheries course under Veer Kunwar Singh University, Ara, (Bhojpur) forwarded to the Technical Director, NIC-cum-Incharge Computer Cell, Raj Bhavan, Patna for uploading on the website of Raj Bhavan/Custodian, Guard File.

Law Officer-cum-Incharge OSD(J)
1. **Name of the Course:**
   The course shall be named as B.Sc. Industrial Fish and Fisheries.

2. **Eligibility:**
   The candidate must have passed intermediate of science or equivalent exam from state board or any other recognized board (Indian or Foreign) securing at least 45% marks in Biology.

3. **Number of seats:**
   The number of seats for the course shall be 30.

4. **Selection and Admission:**
   Eligible applicants will appear in the Entrance Test to be conducted by the university/college. It will be intermediate level written examination of one paper with both objective and subjective type questions from Zoology and related disciplines followed by a viva-voce examination. Merit list will be prepared on the basis of performance of the candidates in the entrance test and viva-voce examination for admission in B.Sc. Industrial Fish and Fisheries course. The written examination will carry 80 marks and viva-voce examination will be of 20 marks.

   Rules of reservation roster adopted by University/State Government will be followed at the time of admission. In case, no candidate from any reserved category is available or eligible for admission, the seat will be treated as unreserved and will be made available for general category candidates.

   Students admitted in the course will not be allowed to join any other course/job during the same period.

5. **Fee structure:**
   The selected candidates will have to pay Rs.12000 per annum for 3 years as fee for the course. Admitted students are required to bear the cost of field works within the country or overseas and group study tours arranged by the B.Sc. Industrial Fish and Fisheries Department.

6. **Duration of the Course:**
   The duration of the course shall be of 3 years consisting of six semesters.

7. **Accommodation:**
   The selected candidates shall be accommodated in the university/college hostel as per rule if the so apply.

8. **Aims:**
   Bachelor of Industrial Fish and Fisheries is a job-oriented course that offers numerous job opportunities in Government as well as private sector. In the private sector, the prime recruiters are Fisheries Development Boards (State wise), Aquatic Farms (State wise) and banks etc.
   The private sector is always ready to recruit B.Sc. graduates. The students usually get hired by Food Processing Industries, Restaurants, Fish Aquaculture, Aquariums etc.
   This course will definitely be useful for those who are interested in the field of fish and fisheries, students so finding decent jobs after graduation.
Draft Regulation for Conducting of I.F.F Vocational Course

1. जबाबदृश्य लाल नेहरू महाविद्यालय, उद्रेक – औरंगाबाद में प्रशिक्षण को स्वीकार करते हुए यू.जी.१०.०१ के पत्रका F.1-1/98 (Desk-VE) दिनांक 14.05.99 द्वारा स्वीकृति में विज्ञापन में इस आशाकालीन महाविद्यालय के प्रशिक्षण से प्रारम्भ करने की स्वीकृति प्रदान कर दी गई है। (पत्र की छापा प्रति संलग्न है) – (सत्य) योजना पर नामांकन लेना आवश्यक प्राप्त है।

2. यह कि उपरोक्त आशाकालीन महाविद्यालय के प्रशिक्षण सं/10 JNC/P/43/99 दिनांक 10.07.1999 के द्वारा संयुक्त समिति, विश्वविद्यालय अनुदान आयोग द्वारा तथा महाविद्यालय के प्रशिक्षण सं/10 JNC/P/44/99 दिनांक 10.07.1999 के द्वारा कुल समिति, वीर भूमर सिंह विश्वविद्यालय आयोग के द्वारा नहीं। (पत्र की छापा प्रति संलग्न है)

3. यह कि महाविद्यालय के प्रशिक्षण सं/10 JNC/P/44/99 दिनांक 17.07.1999 के आलोक में वीर भूमर सिंह विश्वविद्यालय के प्रशिक्षण R/6/2000 दिनांक 04.01.2000 के द्वारा रह 1999 – 2000 से (I.F.F) पाठ्यक्रम को औपचारिक रूप से प्रारम्भ करने की स्वीकृति प्रदान की गई है। (पत्र की छापा प्रति संलग्न है) – (सत्य) योजना पर नामांकन लेना आवश्यक प्राप्त है।

4. वीर भूमर सिंह विश्वविद्यालय आयोग के विषय परिषद की बैठक में निर्णय द्वारा विभागीय स्थायी कोष, जनजीवन एवं खुशी विभाग के द्वारा विद्यालय लेखा कार्य के लिए आर्थिक संपत्ति रख कर दिया गया। प्रशिक्षण स्थल का पाठ्यक्रम एवं सहायक विषय का संरचना वीर भूमर सिंह विश्वविद्यालय के अनुसार है। (पत्र की छापा प्रति संलग्न है)

5. विश्वविद्यालय के प्रशिक्षण DSW/392/Estab/11 दिनांक 19.05.2011 के द्वारा अनुमति के पक्ष में विद्यालय के अनुमति के प्रशिक्षण में जल रहे व्यावसायिक कोर्स वी.सी.2000 , वी.सी.1000 , वी.सी.सी.सी.सी वायोटेक्स एवं आई.एन.एफ.एफ.के पाठ्यक्रम की अनुमति पुनः प्रदान की गई है। (पत्र की छापा प्रति संलग्न है)

6. यह कि इस सवार्थ से Degree प्राप्त करने के प्रवेशात बहुत से छात्रों ने विद्यालय तथा प्राइवेट सेक्टर में Job प्राप्त कर चुके है।

7. यहा व जारी Training Fisheries विभाग स्थानों पर कार्यालय करता है जैसे सेन्ट्रल मैंडू प्लांट ऑफ क्यास्ट, भोपाल, Central Institute of Fisheries Bhusenwar, Central Institute of Fisheries Kakinada, Central Institute of Kochin, & Vishakha patanam में Job Training करारा जाता है।

8. 1999 – 2000 से खेती कोर्स संचालन के लिए यू.जी.१०.०१ से अनुमति भी प्राप्त हुआ है।
**Checklist**

1. Name for university: Veer Kunwar Singh University, Ara
2. Name of the Course: I.F.F. (Industrial Fish and Fisheries)
3. Proposed duration of the Course: 3 Years divided in to six semesters
4. Whether this is a degree course: Degree Course
5. Details of subject/papers taught in the course with distribution of marks:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Papers</th>
<th>Internal Assessments</th>
<th>Final Exam</th>
<th>Full Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Hons. Paper-I</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-II</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Subsidiary Paper-I (Zoology)</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Composition</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-III</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-IV</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Subsidiary Paper-II (Zoology)</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Practical Paper-I</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-V</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-VI</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Subsidiary Paper-I (Chemistry)</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Practical Paper-II</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-VII</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-VIII</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Subsidiary Paper-II (Chemistry)</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Practical Paper-III</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-IX</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-X</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-XI</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Practical Paper-IV</td>
<td>-</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-XII</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-XIII</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Hons. Paper-XIV</td>
<td>30</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>General Study</td>
<td>100</td>
<td></td>
<td>100</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>2400</strong></td>
</tr>
</tbody>
</table>
Job Training is essential. Syllabus is being attached herewith. The course spread over 5 years (6 semesters) consists of 14 papers excluding 4 Practical papers. 4 Subsidiary papers 1 composition and 1 General Study paper of 100 marks each. In Hons Paper's there will be internal assessment of 30 marks each in which the student will have to obtain 18 marks.

6. B.Sc.(I.F) Hons

**Basic Structure**

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Details of Papers</th>
<th>Total Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>14 Hons Papers of Six credit hours each. Total credit hours 14x6</td>
<td>84</td>
</tr>
<tr>
<td>2</td>
<td>4 Elective or Subsidiary Papers of six credit hour each. Total credits hours 4x6</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>4 Practical Papers of 4 credit hours each. Total no. of credit hours 4x4</td>
<td>16</td>
</tr>
<tr>
<td>4</td>
<td>1 Composition Paper of 6 credit hours</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>1 General Study paper of 6 credit hours</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total:-</strong></td>
<td><strong>136</strong></td>
</tr>
</tbody>
</table>

**Note:-**
(i) 1 credit hour is of 5 classes and 1 tutorial
(ii) Ideal lecture class size = 20 to 30 students
(iii) 1 tutorial group size = 10 to 12 students.
(iv) 1 laboratory Practical batch = 10 to 15 students.
7. **Eligibility for admission**
   The Candidate must have passed intermediate of science exam with 45% marks in Biology.
   The admission will be taken through pre-admission test.

8. The faculty for each of the proposed topics/subjects is not available in the college. Therefore part-time faculty will be hired for running the course.

<table>
<thead>
<tr>
<th>Director</th>
<th>500 P.M.</th>
<th>6000 yearly</th>
<th>18000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty paid for</td>
<td>800 P.M.</td>
<td>9600 yearly</td>
<td>28800</td>
</tr>
<tr>
<td>Classes of subsidiary classes</td>
<td>30000/</td>
<td>36000 yearly</td>
<td>10,80,000</td>
</tr>
</tbody>
</table>

9. The faculty for proposed course is not available in house. Of course Director of the course is nominated from the faculty of the college. Subsidiary papers along with composition are taken by regular teachers for which Rs. 100/= p. class is paid to them.

10. The course will be run at on centre i.e. the premise of Jawahar Lal Nehru College, Dehradun, only.

11. Yes, there is mechanism available in the college. Placement cell is functional. The member of the cell will contact the I.B. Feed companies of Bihar, Godrej Agrovet Ltd, of A.P., Apple Medicine Ltd. Of Andhra Pradesh and other relevant companies of West Bengal.

12. Class rooms
    - Bench
    - Desk
    - Black Board
    - L.C.D. Projector
    - Computers
    - Lab
    - Pond
    - Library
    - available in sufficient number
    - available in sufficient number
    - Yes, in each class room.
    - available
    - available
    - available
    - available
    - More than three hundred Titles of book.

13. Yes, the course is running in CM Science college, Darbhanga, and R.D.S college, Muzaffarpur.

14. The course does not require approval/sanction of statutory bodies like AICRT/NCTE/DEC/science & technology Department, Health Department, GOB etc.

However the proposal for starting Vocational Centre-Muzaffarpur.
15. Yes, the college will start the proposed course as per provision made under section 61(2) of the Bihar University Act, 1976, as amended up to date.

16. The proposed course will be run under self-finance scheme, on no profit, no loss, and basis so the reservation roster of seat in the course is not followed as required under section 61(3) of the Bihar University Act, 1976.

17. Yes, college teacher will be nominated as co-ordinator/Director of the proposed course. He will be director the paid Rs 500/= per month as remuneration. The total amount to be paid to the director during the entire course will be Rs.- 18000=.

18. Yes, the copy attached.

19. Yes, the copy attached.

20. Yes,

21. Proposed ordinance/regulation has been checked for language and spelling related errors.

22. Bachelor in industrial fish and Fisheries is a job oriented course that offers numerous job opportunities in Government as well as private sector.

• Talking about Government sector the prime recruiters are Fisheries Development Boards (State wise), Food Departments (State wise) and Banks etc.

The private sector offers much more job opportunities. IFF graduates usually get hired by Food processing and Technology sector, Fish Breeding farms, Aquariums etc.

If students are passionate about entrepreneurship, they may become self-employed and start own fisheries-related business also.

Students who are interested in aqua life and want a career focusing on the same field may pursue the course.

The proposed course is important to individuals, society and environment. It may make substantial contribution to meeting the challenges in a changing global landscape.

Since this is not a very popular course among students, it is relatively less saturated so finding decent jobs after graduation won’t be a problem for the students. The course is not taught in any institution of south Bihar. To