Letter No. TMBU-(Regulations)-29/2008- /GS(I), Dated

From,
A.L. Srivastav
Officer on Special Duty (Judl.)

To,
The Vice Chancellor
T.M. Bhagalpur University
Bhagalpur.

Sub:- Regarding approval of the Ordinance and Regulations of P.G. Diploma (Vocational) Course in Bio-informatics of T.M. Bhagalpur University, Bhagalpur.

Sir,
I am directed to invite a reference to the University's letters no B/19432, dated 05.12.2014 on the subject noted above and to inform that the Hon'ble Chancellor, after due consideration of the proposal of the University, advice of the Advisory Committee and in exercise of powers vested in him under Section 38(2) and 39(2)(ii) of the Bihar State Universities Act, 1976, as amended up to date, has been pleased to approve the Ordinance and Regulations of P.G. Diploma (Vocational) Course in Bio-informatics in T.M. Bhagalpur University, Bhagalpur (copy enclosed), with the condition to seek approval of the number of students to be admitted in the course from the State Government.

Further necessary action may kindly be taken accordingly. Yours faithfully

Encl.: As above
(Sd/-)
A.L. Srivastav
Officer on Special Duty (Judl.)

Memo No. TMBU-(Regulations)-29/2008-
Copy alongwith copy of approved Ordinance and Regulations of P.G. Diploma (Vocational) Course in Bio-informatics forwarded to The Principal Secretary, Education Department, Govt. of Bihar for information and necessary action.

Encl.: As above
(Sd/-)
A.L. Srivastav
Officer on Special Duty (Judl.)

Memo No. TMBU-(Regulations)-29/2008- 1329 /GS(I), Dated 10-09-2015
Copy alongwith copy of approved Ordinance and Regulations of P.G. Diploma (Vocational) Course in Bio-informatics forwarded to Scientist-D, In-charge Computer Cell, Raj Bhavan, Patna for uploading on the website of Raj Bhavan/Guard File of Regulations and Ordinance of Patna University, Patna.

Encl.: As above

A.L. Srivastav
Officer on Special Duty (Judl.)
T.M. BHAGALPUR UNIVERSITY, BHAGALPUR

Ordinance for Admission to Post-Graduate Diploma (Vocational) Course in Bioinformatics of University Centre of Bioinformatics, T.M. Bhagalpur University, Bhagalpur.

1.0 Admission:

1.1 Candidates seeking admission to Post-Graduate Diploma (Vocational) Course in Bio-informatics must have acquired the graduation degree in Science, Medicine, Engineering, Agriculture, Pharmacy, Biotechnology or Biochemistry from a University as is established by law or an equivalent degree thereto as is recognized by T.M. Bhagalpur University, with atleast 45% marks at the graduation level.

1.2 Admission to Post-Graduate Diploma (Vocational) Course in Bio-informatics shall be done on the basis of the marks obtained by the candidates in the Aptitude Test to be conducted by this department on behalf by the University at the beginning of each academic session. The test paper shall consist of 100 objective type questions of multiple choices each question carrying one mark to be set from areas of basic sciences, computer knowledge, environment and general studies.

1.3 The date and time of the Test shall be announced each year by the University through newspapers.

1.4 Candidates appearing for the test shall have to pay Rs.500/- each as cost of the admission form and other expenses to be incurred by the University in connection with the conduct of the aforesaid Aptitude Test.

2.0 Number of Seats:

2.1 Number of seats in Post-Graduate Diploma (Vocational) Course in Bio-informatics shall be a maximum of 50 only or as per the direction of the state Govt.

3.0 Duration:

Duration of the course shall be of a year and half, spread over three semesters. The first semester shall start in July of the first year of study.

4.0 Reservation:

Reservation of seats for SC/ST/OBC etc. shall be done as per reservation rules of the State Government of Bihar.

5.0 Fee Structure:

5.1 Fee structure for the course shall be as follows:

(a) Admission Fee Rs. 100/- (One time)
(b) Registration Fee Rs. 200/- (One time)
(c) Tuition Fee Rs. 5000/- (Each Semester)
(d) Laboratory & Software Rs. 2000/- (Each Semester)
(e) Library Rs. 1000/- (Each Semester)
(f) General Maintenance Rs. 1000/- (Each Semester)
(g) Examination fee

 Islamic Law on Police and Criminal Justice in Bangladesh
5.2 Fee shall be paid at the beginning of each semester. At the time of admission it would be Rs.10300/- followed by Rs. 10,000/- only at the beginning of 2\textsuperscript{nd} and 3\textsuperscript{rd} semester, or in any other manner as is determined by the University.

5.3 University may revise the fee structure from time to time after obtaining approval of the Chancellor.
T.M. BHAGALPUR UNIVERSITY, BHAGALPUR

Regulations for Post-Graduate Diploma (Vocational) Course in Bioinformatics of T.M. Bhagalpur University, Bhagalpur.

1.0 Course Name:
These regulations shall be called as regulations governing Post-Graduate Diploma (Vocational) Course in Bioinformatics of T.M. Bhagalpur University, Bhagalpur.

2.0 Enforcement:
These regulations shall come into force with effect from the academic session of 2015-16.

3.0 Duration of the Course and Semester System:
Duration of the course shall be a year and a half, divided equally into three semesters. First Semester shall begin in July of each year and shall end in December of the same year. The second semester shall begin in January of the next and third semester shall last from July to December of the next year. In each semester there will be 18-20 weeks of actual teaching.

4.0 Examination:
4.1 Students offering Bioinformatics diploma course shall be continuously assessed, examined and evaluated to judge their performance based on two mid semester tests, and one university examination at the end of each semester. Division of marks between midsemester tests and semester-end examination shall be in a ratio 20:80 respectively. Each mid-term test shall have 10 marks. The modalities of the mid term test shall be decided by the examination board of the university.

4.2 Each paper (both theory and practical) to be answered at the semester-end examination shall carry 80 marks. Theory papers shall have written examination of 80 marks, while examination in practical papers shall be, primarily, laboratory based. In the 3rd semester students will undertake specific projects under the supervision of experts to be assigned by the university. Project Reports to be submitted by the students of which 80 marks shall be assigned 80 marks for writing the Project Report and 20 marks shall be kept reserved for Project-based Viva-Voce examination.

4.3 The 3rd semester shall be entirely devoted to preparation of the Project Report. For this purpose the University will depute every student to a reputed organization/industry where he/she will work on the project and submit a detailed report to the University, in four copies, before completion of the 3rd semester, along with a certificate from the supervisor, duly counter signed by the head of the organization, certifying that the student did actually work on the concerned project for a period of at least four months and that the report, being submitted by him/her, is based on his/her experience and training in the organization/industry.
4.4 All semester-end examinations, both theory and practical and mid-term tests, as also evaluation of Project Report and viva-voce examination, shall be conducted by the University. Practical examination shall be conducted jointly by two external examiners to be appointed out of the panel of experts approved by the university.

4.5 A student shall have to pass separately in each paper (both theory and practical) of each semester, as also in Project Report paper, before he/she is promoted to the next semester.

5.0 Pass Marks and Award of Divisions:

5.1 In order to pass a semester examination, a student shall have to secure at least 50% marks in each paper to be calculated by taking together the marks obtained by him/her both in semester-end examination and mid-term tests.

5.2 No division shall be awarded up to 2nd Semester. A student, passing the 1st or 2nd semester, shall be simply promoted to the 2nd or 3rd semester, as the case may be. Students, passing all the three semesters, shall be awarded CGP and appropriate grades on the framework of PG regulations as approved by the Chancellor’s office.

6.0 Attendance:

A candidate, appearing as a regular student for a semester examination, shall be required to attend at least 75% of the classes in each theory and practical paper separately. However, a shortfall in attendance up to 15% can be condoned as per rules of the University.

6.1 Promotion:

A student who fails in not more than two papers will be promoted to the next higher semester. He will have to clear his backlog papers with the next examination of the same semester. However, no student shall be permitted to appear in the 3rd end semester university examination unless he has cleared all his backlog papers. Such candidates shall not participate in the merit list.

7.0 Improvement Examination:

If a candidate has cleared a semester examination in full, he/she will be allowed to reappear in not more than two papers to improve his/her marks. The better of two marks shall be considered in his/her final result. These candidate will also not participate in the merit list.

8.0 Syllabus and Course Structure:

Syllabus and Course Structure shall be as follows:

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<th>Paper Code</th>
<th>Paper Title</th>
<th>Internal Assessment</th>
<th>Semester Examination</th>
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**Semester - III**

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| Grand Total   | 260| 1040| 1300|

*Note:* Keeping in view the background of candidate, the Department shall do the allocation of elective course to students from Physical Sciences and Biological Sciences as follows:

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<th>Elective I</th>
<th>Students from Physical Sciences to offer</th>
<th>Students from Biological Sciences to offer</th>
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<tr>
<td>BIN102</td>
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<tr>
<td>BIN103</td>
<td>Structural Biology</td>
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8.1 Successful candidates shall be provided with the Post Graduate diploma in Bioinformatics under the faculty of Science, T M Bhagalpur University, Bhagalpur.

9.0 Savings:
Provisions not covered herein under this regulation shall be shall be continued to be governed by Regulations relating to Post Graduate Degree Course of Science Subject of T.M. Bhagalpur University, Bhagalpur.