

# SAMBALPUR UNIVERSITY



# PROSPECTUS

FOR ADMISSION INTO DIFFERENT POST GRADUATE COURSES  
OFFERED THROUGH SAMBALPUR UNIVERSITY ENTRANCE  
TEST  
(SUET) - 2022  
DURING THE ACADEMIC SESSION 2022-23

SAMBALPUR UNIVERSITY  
(Accredited with "A" Grade by NAAC)

JYOTI VIHAR, BURLA  
SAMBALPUR-768019  
ODISHA

Website: [www.suniv.ac.in](http://www.suniv.ac.in)

## INTRODUCTION

The Sambalpur University Act was passed by the Orissa Legislature on 10<sup>th</sup> December, 1966 to fulfill the long cherished dream of the people of Western Odisha for establishment of a University. The University started functioning from 1<sup>st</sup> January, 1967 with Prof. Parsuram Mishra as the first Vice-Chancellor. The University was inaugurated on 4<sup>th</sup> January, 1967 by Hon'ble Chancellor A.N. Khosla. The University started functioning in 1967 in a rented private building at Ainthapali, Sambalpur from 1968-72. In the year 1973 the University was shifted to the present campus named Jyoti Vihar at Burla.

**Sambalpur University is accredited with 'A-Grade' by UGC (NAAC).** The present territorial jurisdiction of the University covers 06 districts, namely, Sambalpur, Sundargarh, Jharsuguda, Deogarh, Bargarh, Boudh and Athmallik Sub-Division of Angul District of Odisha.

The University provides two-years/three-years Post-Graduate Teaching in 32 courses offered by 25 Post-Graduate Departments. Out of the 32 subjects, admission into 26 courses (Anthropology (Arts), Anthropology (Science), Applied Chemistry, Applied Geology, Biotechnology, Chemistry, Computer Science, Economics, English, Environmental Science, Hindi, History, Home Science, Law, Library & Information Science, Life Science (Botany), Life Science (Zoology), M.Sc. Food Science & Nutrition, Mathematics, MBA, MSW(SF), Odia, Physics, Political Science, Sociology, Statistics) shall be through Common P.G. Entrance Test (CPET) and 06 courses (Master in Performing Arts (Regular), Bioinformatics(SF), Executive MBA (SF), Integrated B.Ed-M.Ed.(SF), M.Tech. Environmental Science & Engineering (SF), and M.Sc. Food Science (SF)) through Sambalpur University P.G. Entrance Test (SUET) during the academic session 2022-23. For admission into these courses visit [www.suniv.ac.in](http://www.suniv.ac.in) .

Besides, the constituent institute of Sambalpur University namely, Sambalpur University Institute of Information Technology (SUIIT) offers B.Tech., M.Tech., M.Sc. and Ph.D. Programmes in different disciplines of Engineering and Technology. For admission and other details to these courses visit: [www.suiit.ac.in](http://www.suiit.ac.in)

There are 11 Post-Graduate Hostels in the University Campus out of which 05 are Ladies Hostels and 06 are Gents Hostels. The University provides several facilities to the boarders in the Hostels like Common Room with T.V., Reading Room with Newspapers and Magazines, Guest Room, First Aid, Computer with Internet facilities, etc. The Central Canteen has been opened near the Hostel Campus for the benefit of students. Besides, there are 02 Nationalised Banks, 02 ATM Counters, 01 Post-Office, 01 Health Centre, 01 Auditorium, 01 Police-Out Post, 01 Faculty House and 01 Community Centre in the University Campus for providing services to students/teachers and employees in the Campus.

The establishment of Centre for Distance and Online Education (CDOE), Private Examination Cell (PEC), Nodal Computer Centre, UGC HRDC, Research and Development Cell (RDC), Professor Bhubaneswar Behera Central Library and Gymnasium are added features of Sambalpur University.

**JOIN HANDS TO MAKE YOUR  
CAMPUS RAGGING FREE**

**INFORMATION**  
**FOR ADMISSION TO ONE REGULAR**  
**AND FIVE SELF-FINANCING POST**  
**GRADUATE COURSES OFFERED**  
**THROUGH**  
**SAMBALPUR UNIVERSITY**  
**P.G. ENTRANCE TEST (SUET)**  
**EXAMINATION - 2022**

## 1. COURSES OFFERED THROUGH SAMBALPUR UNIVERSITY ENTRANCE TEST (SUET)-2022

The following regular and self-financing Post Graduate Courses are offered under Choice Based Credit System (CBCS) in the Semester mode during the academic session 2022-23 through SUET-2022. The sanctioned seats and duration of the courses are mentioned as below:

Sl. No.	Course	Department	Status	Seat Strength	Duration of Course
1.	Master in Performing Arts (Dance & Drama)	School of Performing Arts	Regular	Dance - 10 Drama - 10	2 years
2.	Executive MBA	Department of Business Administration	Self-financing	16	3 years
3.	Integrated B.Ed-M.Ed	Department of Education	Self-financing	50 (Admission shall be made on 50:50 ratio for Arts (Social Science and Humanities) and Science Streams.	3 years
4.	M.Tech. Environmental Science & Engg.	Department of Environmental Sciences	Self-financing	16	2 years
5.	M.Sc. Food Science	Food Sc. Technology and Nutrition	Self-financing	16	2 years
6.	Bioinformatics	Department of Biotechnology & Bioinformatics	Self-financing	16	2 years

(When numbers of applications are less than the sanctioned strength, the merit list will be prepared based on career marks only and no need to appear for the Entrance Test)

## 2. SCHEDULE OF ENTRANCE TEST

Admission to various Post Graduate Courses shall be done through the entrance test conducted by the P.G. Council, Sambalpur University, through SUET-2022 as per the schedule given below:

Sl. No.	Course	Date of Entrance Test	Time
1.	Integrated B.Ed-M.Ed	29.08.2022	10:30 AM to 12:30 PM
2.	Master in Performing Arts (Dance & Drama)	29.08.2022	10:30 AM to 12:30 PM
3.	Executive MBA	29.08.2022	2:00 PM to 4:00 PM
4.	M.Sc. Food Science	30.08.2022	10:30 AM to 12:30 PM
5.	M.Tech. Environmental Science & Engg.	30.08.2022	2:00 PM to 4:00 PM
6.	Bioinformatics	30.08.2022	2:00 PM to 4:00 PM

### 3. HOW TO APPLY

Candidates desirous of seeking admission to the courses listed under Table above are required to submit their applications online by adopting the following procedure:

- (i) **Online filling up of application form shall begin w.e.f. 27.07.2022 (4:00 PM onwards)**  
**The last date of submission of application online is 20.08.2022 (till 5:00 PM)**
- (ii) Candidates, in order to submit the application for admission, are required to login into the following link:  
**<http://www.suniv.ac.in> and click **ADMISSION** → “online admission” → **SUET-2022****
- (iii) The candidates may download the admission Prospectus-2022-23 and read it carefully before filling the form online.
- (iv) The candidate will have to pay **Rs.750** (Rupees Seven Hundred Fifty) only towards application fee through State Bank Collect through **Debit Card, Credit Card, Net Banking facility of any Bank besides visiting any SBI branch to deposit by cash or cheque drawn on any SBI Branch.** The procedure for depositing the application fee through State Bank Collect is as follows:
  - ☞ Visit online banking website of SBI by typing <https://www.onlinesbi.com> in the address bar of the browser viz. internet explorer. Once the home page appears click on ‘**State Bank Collect**’ tab or click on **SBI Collect** tab on online admission page.
  - ☞ ACCEPT the disclaimer clause and click on “**Proceed**”.
  - ☞ Select the State of Corporate/Institution as ‘**Odisha**’.
  - ☞ Select type of Corporate/Institution as ‘**Educational Institutions**’ and click on ‘Go’.
  - ☞ Now select Educational Institution Name as ‘**SAMBALPUR UNIVERISTY P.G. COUNCIL**’ and click on ‘Submit’.
  - ☞ Select the payment category from the drop down as “**P.G. Admission 2022-23**”.
  - ☞ Before filling the challan, read the Payment Details/Structure Document carefully and ascertain the fees amount applicable to you.
  - ☞ Fill in the challan with required information as asked for or select from the drop down options wherever available. **Take adequate care while filling in (a) Name (b) Date of Birth & (c) Mobile Number as asked for in the lower part of the screen.** This information is important to reprint the e-Receipt subsequent to any successful payment.
  - ☞ Once required data is filled in click on ‘Submit’.
  - ☞ The system will ask you to verify the details entered and confirm the transaction in the next page. Verify the details and click on ‘Confirm’.
  - ☞ The system will request you to select the desired payment mode from various options. Please note that the bank charges for various payment modes are also displayed which is to be borne by the remitter. **Carefully examine the charges displayed since the charges for different payment mode are different.** Select the desired payment mode.
  - ☞ Now the system will guide the remitter through the payment process. Once the payment is completed successfully one e-Receipt will be generated containing a **Reference Number** in PDF format. Take a print out of the e-Receipt. You may also

save this optionally for future reference. The e-Receipt can also be regenerated/reprinted afterwards from 'Payment History' link of 'State Bank Collect'.

If '**SBI Branch**' is selected as payment mode, a Pre Acknowledgement Payment (PAP) form will be generated which contains the relevant details for payment at Branch. The payer takes the print out of the PAP Form and visits **any SBI Branch** for payment through **cash or cheque drawn on SBI Branch**. After the payment is successfully processed by the branch, the branch will give an acknowledgment of payment on the PAP Form. Now any time the payer may optionally return to 'State Bank Collect' link in the home page of [www.onlinesbi.com](http://www.onlinesbi.com) for printing the e-Receipt from the 'Payment History' link.

- (v) The candidate should then register himself/ herself (through appropriate link) by providing the following information:
- (a) Name of the course
  - (b) Name of the candidate
  - (c) email ID
  - (d) SB Collect Reference No. (provided by the Bank)
  - (e) SBI Branch Name
  - (f) Password (to be created by the candidate)

The information as pre-page for registration is vital and the candidate should carefully note down those for future use.

- (vi) The candidates can then fill up the form online. After completion of all the fields in the form, the candidates should click the "submit" button. Thereafter a page will be opened with all the information of the candidate that he/she has filled in.

**After submitting the application online, the candidate has to take a printout of this page and send/submit the same, along with the following documents to the Course Coordinator of** (Name of subject) \_\_\_\_\_, (Name of the Dept.) \_\_\_\_\_ **Sambalpur University, Jyoti Vihar-768019, Sambalpur (ODISHA)** so as to reach on or before the date of Entrance Test for the subject concerned.

- Two recent passport size colour photographs of the candidate duly attested by a Gazetted Officer.
- Attested copies of the Mark sheets and Certificates of all examinations starting from H.S.C for determining eligibility. In case of students who have appeared the +3 final semester examination and the result is awaited, they may submit the certificate and mark sheet of +3 Examination on the day of the Entrance Test, failing which their case will not be considered for admission.
- e-Receipt of Rs.750/- in original towards payment of processing fee.
- An attested copy of the certificate from CDMO regarding his/her disability for 40% or more (in case of person with Disabilities).
- An attested copy of the Caste Certificate obtained from a Revenue Officer not below the rank of a Deputy Collector or MLA or MP or DWO, in absence of which the candidate will not be eligible to get concession allowed under reserved categories.
- The undertaking form(s) should be duly filled in and signed by the applicant and his/her father or natural guardian.

The envelope containing the above documents and the print out of the application form complete in all respect must be superscribed "Application for Admission in (Subject) .....

**NOTES:**

1. Application incomplete in any manner shall be rejected.
2. Mere appearance in the Entrance Test does not entitle a candidate for admission unless s/he is eligible as per the criteria laid down in the Admission Prospectus 2022-23.

**4. IMPORTANT DATES**

Online filling up of application form shall begin	<b>From 27.07.2022 (4:00 PM onwards)</b>
The last date of submission of application online	<b>20.08.2022 (till 5:00 PM)</b>
Last Date of submission of hard copy of the application along with the required documents	<b>23.08.2022</b> (However, submission of hardcopy will be entertained on or before the date of Entrance Test for the subject concerned)
Downloading of Admit Cards for Entrance Test	<b>25.08.2022</b>
Entrance Test	<b>From 29.08.2022 to 30.08.2022</b>
Publication of Entrance Test results	<b>03.09.2022</b>
1 <sup>st</sup> Phase Admission on the basis of merit will be completed	<b>09.09.2022</b>
2 <sup>nd</sup> Advertisement for filling of SC/ST vacancies, if any	<b>14.09.2022</b>
2 <sup>nd</sup> Phase Admission on the basis of merit will be completed	<b>21.09.2022</b>
Final Advertisement for filling of SC/ST vacancies, if any	<b>26.09.2022</b>
Admission process to be completed on	<b>12.10.2022</b>

**Procedure for downloading the Admit Card**

Admit Card will be available on the website [www.suniv.ac.in](http://www.suniv.ac.in) on **25.08.2022**. Candidates should login and download the same.

**5. ELIGIBILITY CRITERIA**

The eligibility criteria for admission into various Post Graduate Courses through Sambalpur University P.G. Entrance Test (SUET) – 2022 are as follows:



Sl. No.	Name of the Course	Eligibility
1.	Master in Performing Arts (Dance & Drama) <b>(Regular)</b>	Any Graduate.
2.	Executive MBA <b>(Self-Financing)</b>	<p>“Any Graduate with two years of work experience after graduation in any registered Govt./ Private /Autonomous Organization shall be eligible for apply for admission to the I semester of three-year Executive MBA programme, Entrepreneur and self employed person with Own-SSIS, valid License, TIN, PAN etc. with annual sales turnover of Rs.50.00 Lakh or more and professionals such as Doctors, Engineers, Chartered Accountants, Cost Accountants, Company Secretaries, Legal Practitioners with two year experience will also be eligible for admission.”</p> <p>Candidates on job, seeking admission to the programme, will have to produce NOC from their respective organizations.</p>
3.	Integrated B.Ed-M.Ed <b>(Self-Financing)</b>	Post Graduate degree in Science / Social Science / Humanities from a recognized University or Institution affiliated to a recognized University with a minimum of 55% marks or equivalent grade.
4.	M.Tech. in Environmental Science and Engineering <b>(Self-Financing)</b>	M.Sc. in any Science subject with at least 55% marks in aggregate or B.Tech. /B.E. degree in any professional Course of minimum four years duration after +2 science with at least 45% marks in aggregate
5.	M.Sc. Food Science <b>(Self-Financing)</b>	Any Science Graduate or any Technical/Professional Graduate (B. Tech., B.Sc. Agriculture, B. Pharma, B.Sc. Home Science and other related subjects of four years duration after +2 Science) or B.Sc. in Food Science or Food Science & Nutrition of three years duration after +2 Science or B. Voc. in Food Science & Nutrition of three years duration after +2 Science with a minimum of 45% marks is eligible.
6.	Bioinformatics <b>(Self-Financing)</b>	<p>Any Science Graduate such as Biological Sciences with Allied Subjects, Physical, Engineering and Medical Sciences or other professional courses with at least 45% of marks in aggregate. Minimum qualifying marks of 45% shall not be insisted for SC &amp; ST candidates.</p> <p>The students who have appeared CPET examination in any science stream shall also be eligible for admission against the vacant seats, if available.</p>

## 6. CALCULATION OF CAREER MARKS

Career marks for candidates seeking admission into various Post Graduate Courses will be calculated as follows:

### (A) FOR MASTER OF PERFORMING ARTS (DANCE & DRAMA):

Selection for admission into Performing Arts (Dance & Drama) shall be done through Written Entrance Test 30%, Career Mark 30%, Performance Test 30%, Experience in Performing Arts 10%. However, a candidate must secure at least 30% marks in Performance Test.

Career marks will be calculated from 30 marks out of which 05 marks will be given for 10<sup>th</sup> examination, 10 marks will be given for +2 examination and 15 marks will be given for +3 examinations. The applicants are requested to indicate either the marks or the CGPA as reflected in their mark sheets. The marks awarded for career will be as follows:

- (i) Percentage of marks expressed as a fraction or CGPA expressed as a fraction of 10 multiplied by 5 in the 10<sup>th</sup> examination, and multiplied by 10 in +2 examinations.
- (ii) If the applicant has applied for the subject at P.G. level, which s/he has taken as core/honours at UG level, then s/he will get 4 marks. For distinction, 01 mark will be awarded. The remaining 10 marks will follow the same formula as +2. In case of identical total marks in (entrance+ career), entrance marks will be taken for deciding the merit. If entrance marks are also identical then career mark in graduation examination (+3) and then +2 marks will be considered for deciding the rank. In case of +2 career marks being identical, the applicant born earlier will get the higher rank.

### (B) FOR EXECUTIVE MBA:

Career:30 Written Test:40 Experience:30

#### EXPERIENCE:

3 marks shall be given for each completed year of experience subject to a maximum of 30 marks i.e 3 marks per year for a maximum of 10 years.

Formula for calculating career marks (out of 30) will be as per the general selection criteria except for +3 which will be as follows:

$$\text{Marks Secured in \%} = \frac{\text{Total Marks secured}}{\text{Maximum Marks}}$$

<u>Percentage of Marks</u>	<u>Weightage</u>
75% or above	15
60% or above but less than 75%	12
45% or above but less than 60%	10
All other eligible candidates	08

**(C) FOR INTEGRATED B.Ed- M.Ed:**

Career: 30%, Written test: 70%

<b>H.S.C.E.</b>	1 <sup>st</sup> Div. -3	2 <sup>nd</sup> Div. - 2	3 <sup>rd</sup> Div./Pass-1.5
<b>+2</b>	1 <sup>st</sup> Div. -5	2 <sup>nd</sup> Div. - 4	3 <sup>rd</sup> Div./Pass-3
<b>+3 B.A./B.Sc./B.Com</b>	1 <sup>st</sup> Class Hons – 9	2 <sup>nd</sup> Class Hons – 7	Pass – 5 Distinction - 1
<b>P.G.</b>	1 <sup>st</sup> Class – 12	2 <sup>nd</sup> Class – 9	

**(D) FOR M.TECH. IN ENVIRONMENTAL SCIENCE AND ENGINEERING:**

Career: 30%, Written: 70% marks with the following distribution

<b>For General M.Sc. Students</b>	<b>First Dvn.</b>	<b>Second Dvn.</b>	<b>Third Dvn.</b>
H.S.C.E	6.0	4.5	3.0
+2	6.0	4.5	3.0
+3 (Hons)	9.0	7.0	5.0
Distinction	1.0	1.0	1.0
M.Sc.	8.0	6.0	4.0
<b>For Professional degree students</b>	First class Hons	First class	Second Class
B.E /B.Tech. (after +2)	18	13	8

**(E) FOR M.Sc. IN FOOD SCIENCE:**

Career: 30 marks, Written: 70 marks (Total: 100 marks). When the number of applications is less than the sanctioned strength, merit list will be prepared on the basis of career marks only.

For students who have passed Technical/Professional Graduates

<b>Degree</b>	<b>First Division</b>	<b>Second Division</b>	<b>Third Division/Pass</b>
High School	6	4.5	3.0
+2	9	7	5
B.E./B.Tech./B.Sc. Home Sc./ B.Pharm (4 years study after +2)			
First Class Hons or equivalent grade - 75% marks or above			15
First Class or equivalent grade - above 60% marks and below 75%			13
Second Class or equivalent grade - above 50% marks and below 60%			10
Pass or equivalent grade with below 50% marks			07

+3(Honours): Marks secured in Honours Subject X 15  
Maximum Marks in Honours Subject

+3(Pass): Aggregate Marks secured X 12  
Maximum Marks

**(F) FOR BIOINFORMATICS:**

Career: 30%, Written: 70%

**(a) Category-I (Science Graduate)**

H.S.C.E.	1 <sup>st</sup> Div. -6	2 <sup>nd</sup> Div. - 4.5	3 <sup>rd</sup> Div./Pass-3
+2	1 <sup>st</sup> Div. -9	2 <sup>nd</sup> Div. - 7	3 <sup>rd</sup> Div./Pass-5

**+3(Honours):**  $\frac{\text{Marks secured in Honours Subject}}{\text{Maximum Marks in Honours Subject}} \times 15$

**+3(Pass) :**  $\frac{\text{Aggregate Marks secured}}{\text{Maximum Marks}} \times 12$

**(b) Category-II (Other than Science Graduate)**

H.S.C.E.	1 <sup>st</sup> Div. -6	2 <sup>nd</sup> Div. - 4.5	3 <sup>rd</sup> Div./Pass-3
+2	1 <sup>st</sup> Div. -9	2 <sup>nd</sup> Div. - 7	3 <sup>rd</sup> Div./Pass-5

**Graduation (Marks secured in percentage)**

“Total Marks Secured/Maximum Marks X 100”

75% and above = 15

60% and above but less than 75% = 12

45% and above but less than 60% = 10

All other eligible candidates = 08

**7. RESERVATION POLICY**

The reservation policy adopted for admission into various Post Graduate Courses conducted through Sambalpur University P.G. Entrance test (SUET-2022) by the P.G. Council, Sambalpur University are as follows:

- (i) 22.5% and 16.25% of seats in each course are reserved for candidates belonging to Scheduled Tribes and Scheduled Castes, respectively. The reserved seats are not interchangeable between SCs and STs.
- (ii) SC/ST applicants selected for admission on their merit shall not be counted against reserved seats.
- (iii) However, any modification made by the government in the reservation policy will be followed during admission.
- (iv) Persons with disabilities (PWD) - 5% of sanctioned seat shall be reserved for PWD students with extent of disability not below 40% (blindness and low vision, hard of hearing, locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy, autism, intellectual disability, specific learning disability and mental illness).

- (v) Ex-Serviceman (ESM), Serving Defence Personnel (SDP), Children of Martyrs (CoM) – 1% of the sanctioned seats shall be reserved for Self / Children / Wife / Husband of Ex-Serviceman, Serving Defence Personnel & the Children of Martyrs.

Concessions for the wards of Kashmiri migrants for admission shall be allowed as per the directive of the MHRD, Govt. of India.

## 8. ADMISSION PROCEDURE

Admission to the candidates will be offered strictly as per SUET-2022 Merit List with applicable reservation policy and available intake capacity.

- (a) (i) Candidates seeking admission into one regular and five self-financing courses shall be as per the merit list prepared by Sambalpur University for these courses based on the candidates' performance in the entrance test and career marks. The distribution of marks under entrance test, career etc. for each course is given in the Section 6.
- (ii) Admission to the candidates will be offered strictly as per merit list prepared by the respective Departments of Sambalpur University for the courses with applicable reservation policy and available intake capacity.
- (b) The list of selected candidates for admission will be uploaded in the University website <http://www.suniv.ac.in>. They will also be informed through their registered email IDs. Hence, they are advised to visit the University website and check their email regularly after publication of the merit list(s).
- (c) Intimation to the selected candidates will be issued by the Head/ Coordinator of the concerned Department through the candidates' registered email IDs.

## 9. SUBMISSION OF ADMISSION DOCUMENTS

The candidates selected for admission shall have to submit the following documents by Registered / Speed Post to the respective Heads/Coordinators of the P.G. Departments for admission.

- i. Print out of the Online Admission form submitted to SUET-2022 duly signed by the candidate.
- ii. College Leaving Certificate in original from the Institution last attended.
- iii. Migration Certificate in original for candidate from other University.
- iv. Two attested passport size colour photographs.
- v. Conduct Certificate in original from the Institution last attended.
- vi. One set of photocopies of Mark Sheet/Certificates starting from H.S.C.E. to last qualifying examination self attested by the candidate.

- vii. (In case of +3 Examinations, Mark sheet of First Examination and Final Examination are to be submitted separately, if detailed marks are not provided in the final mark sheet).
- viii. Original Income Certificate (In respect of female candidates claiming concession in tuition fee).
- ix. Required fees specified in the Intimation Letter.
- x. Application in the prescribed form for seeking admission into hostel.

**SAY NO TO SEXUAL HARASSMENT  
BE A MAN, RESPECT WOMEN**

*For any information of general nature, contact  
P.G. Council Office, Sambalpur University,  
Jyoti Vihar – 768 019*

*email ID: [pgco@suniv.ac.in](mailto:pgco@suniv.ac.in)*

## 10. ADMISSION FEES AND COURSE FEES AS ADMISSIBLE FOR SUBJECTS UNDER SUET-2022

SL.NO.	SUBJECT NAME	ADMISSION FEES			COURSE FEES		
		GENERAL STUDENTS	GENERAL GIRLS Whose parents do not pay income tax	SC/ST Students	GENERAL COURSE FEES	SELF-FINANCING COURSE FEES (PER SEMESTER)	TOTAL
1.	EXECUTIVE MBA (3 YEARS)	7616	7538	7460	6132	13500	87,132/-
2.	BIOINFORMATICS	7662	7571	7480	4632	28500	1,18,632/-
3.	INTEGRATED B.ED-M.ED (3 YEARS)	9766	9688	9610	6132	28500	1,77,132/-
4.	M.TECH. ENV. SC. & ENGG.	7662	7571	7480	4632	28500 (33500 for in-service candidates)	1,18,632/- 1,38,632/- (in-service)
5.	M.SC. FOOD SCIENCE	7662	7571	7480	4632	18500	78,632/-
6.	PERFORMING ARTS (Regular Course)	7616	7538	7460	4632	-	4632/-

Candidates seeking admission to Hostel are required to deposit the seat rent of Rs.300/- or Rs.180/- as the case may be in the P.G. Council Office in addition to the fees to be deposited in the Hostel as provided in the Hostel Admission Rules and Related Matters Section of this Prospectus. This will be intimated after selection to the Hostel.

### NB:

- (i) The students who are migrated from other Universities are required to pay **Rs.225/-** in addition to other usual fees towards their Registration, Enrolment and Recognition fees.
- (ii) The autonomous Departments shall collect the fees from the students before each Semester examination. For non-autonomous Departments, the examination related fees shall be deposited by the students in the Central Office at the time of form fill up before each Semester examination.
- (iii) Departments conducting field trip or study tour as a part of their curriculum shall bear the expenditures out of contributions levied on students, and the appropriate fees shall be collected from the students as decided by the Teachers Council of the respective Department at the time of admission and / or renewal of admission.
- (iii) Fees once deposited shall not be refunded.

## **11. COMMENCEMENT OF CLASSES**

Classes for different courses will commence as per the Academic Calendar notified from the office of the Chairman, P.G. Council at the start of every session. Because of the COVID-19 Pandemic situation, the Academic schedule published by the Higher Education Department, Govt. of Odisha from time to time is also followed.

## **12. REQUIREMENT OF ATTENDANCE**

A candidate shall be required to attend 75% of lectures, tutorials and practical classes offered during the year. Condoning of attendance may be granted by the Syndicate only to the extent of 15% in exceptional cases. When a candidate has been deputed by College/University to represent the College/University/State for any activity, the lectures delivered during his/her absence, shall not be counted towards the calculation of percentage of attendance, provided the HOD/Coordinator certifies to that effect.

## **13. CONDUCT OF EXAMINATION**

P.G. Examinations will ordinarily be held as per the University Act, Statutes and Regulations.

## **14. PENALTY & PUNISHMENT TO THE STUDENTS INDULGING IN RAGGING INSIDE THE UNIVERSITY /DEPARTMENT / HOSTEL PREMISES**

- (i) As per Supreme Court order ragging in any form is a cognizable offence and should be strictly prohibited. As per UGC guidelines 6.1 (d&e) of the regulation (F-1 16/2007 (CPP-II/dated 17 June 2009) or any revised Guidelines circulated, students who are found ragging other students shall be liable to punishment. If any incident of ragging comes to the notice of the authority the accused student will be given an opportunity to explain, and if his/her explanation is not satisfactory, the authority will punish the student as per the punishment cited here under:
  - a) Rustication from the university and / or hostel
  - b) Embossment on mark sheets, degree certificate etc. Stating that he/she indulge in ragging
  - c) Penalty and imprisonment of one year
  - d) Fine up to Rs.2.5 lakh
- (ii) While admitting the students each H.O.D. shall ensure the submission of an undertaking in the format prescribed in the admission application form signed by both the candidate and his/her parents (or legal guardian).



## 15. GENERAL DISCIPLINE

- (i) The students are expected to maintain discipline and proper atmosphere of study in the university campus.
- (ii) The following acts of indiscipline are strictly prohibited:
  - (a) Any act of preventing the teaching and non-teaching staff of the university from discharging their normal duties.
  - (b) Any act of stopping the university vehicles from plying and thereby affecting the functioning of university system.
  - (c) Any act of lockout of the university gate, university office, university P.G. Departments, Library and other such units of the university system.
  - (d) Any act of assembling in a meeting or going in a procession inside the university campus without prior notice to the authority or without availing the usual channels of grievance redressal.
  - (e) Any other agitational activity that will affect the day-to-day running of the university system.
  - (f) Sexual harassment of any kind.
  - (g) Sexist or Casteist remark of any kind.
  - (h) Non-adherence to COVID-19 Guidelines of the Govt. of Odisha and SOP of the University circulated from time to time.

## 16. INTERPRETATION

For any dispute in interpretation in respect of the provisions of this Prospectus, the decision of the University shall be treated as final.

# **HOSTEL ADMISSION RULES AND RELATED MATTERS**

## 1. HOSTEL ADMISSION RULES AND RELATED MATTERS

Hostel accommodation shall be provided to students of P.G. Programme depending on availability of seats in the following hostels. However, as the Sambalpur University is not a residential university, it is not mandatory on the part of the university authorities to provide hostel accommodation to each and every intending student.

- (a) Brahmaputra, Mahanadi, Bhagirathi, Mahodadhi, Golden Jubilee and IB Gents Hostels (for Male students only).
- (b) Narmada, Silver Jubilee, Pravabati Devi, Baitarani, Brahmani and Indrabati Ladies Hostels (for Female students only).
- (c) The selection for hostel admission will be made on the basis of the Merit List of the Entrance Test conducted through SUET-2022.
- (d) The Regular students will be given first preference in Hostel Admission and if any seats are left will be given to the Self-financing students.

## 2. RESERVATION

**Reservation in various Hostels for SC and ST candidates is as per Rules, i.e., SC-16.25% and ST-22.5%**

## 3. HOSTEL RENT/FEE

### (a) SEAT RENT (Except Mahodadhi)

- |                           |                    |
|---------------------------|--------------------|
| (i) Single Seated Room    | Rs.300/- per annum |
| (ii) Multiple Seated Room | Rs.180/- per annum |

### (b) SEAT RENT (Mahodadhi Hostel)

- |                         |                     |
|-------------------------|---------------------|
| (i) Single Seated Room  | Rs.1000/- per annum |
| (ii) Double Seated Room | Rs.600/- per annum  |

### (c) ENERGY CHARGES TO BE DEPOSITED IN THE P.G. COUNCIL OFFICE

- |                                      |                     |
|--------------------------------------|---------------------|
| (i) Energy Charges for Ph.D. Scholar | Rs.2000/- per annum |
| (ii) Water Charges for Ph.D. Scholar | Rs.150/- per annum  |

### (d) FEES TO BE DEPOSITED IN THE HOSTEL

- |  |                     |
|--|---------------------|
| (i) Establishment fee                          | Rs.1800/- per annum |
| (ii) Cultural fee                              | Rs.300/- per annum  |
| (This may increase if a hostel so decides)     |                     |
| (iii) Hostel Caution Money                     | Rs.200/-            |
| (iv) Utility Charges                           | Rs.700/- per annum  |
| (v) Mess charges to be decided by the Hostels. |                     |

## 4. ADMISSION

- (a) Students selected for taking admission into the Hostels shall have to submit two recent passport size colour photographs in the prescribed form available in the P.G. Departments duly forwarded by the HOD.

- (b) The selected boarders shall have to take admission through the P.G. Council Office by paying the above fees as applicable for the session through State Bank Collect.
- (c) On submission of the receipt obtained against the hostel seat rent at the respective hostel, the Superintendent shall collect the other prescribed charges of Hostel and allot seat/room in the Hostel. The boarder shall be provided with furniture and other materials for his/her seat/room for the hostel from the resources available.

The charges are subject to change from time to time. A portion of the Hostel and Mess caution money will be deducted at the time of refund. The amount to be deducted shall be decided by the Hostel Residence Committee (HRC). If the caution money is not claimed within 3 years from the date of leaving the hostel, the claim for the said amount shall automatically stand forfeited.

If the students of Third Semester or 2<sup>nd</sup> Year do not deposit their annual fees like establishment, cultural etc. in the hostel office by the end of August, a late fine @ Rs. 5/- per day shall be levied maximum up to one month. Otherwise allotment for admission shall be cancelled.

- (d) Research Scholars on completion of their tenure of Fellowship may be allowed to stay in the hostel for one month only on payment of usual charges.
- (e) **MESS:** The boarder shall have to be guided by the Mess Rules to be framed by each hostel.
- (f) **DISCIPLINE:** Boarders are expected to maintain discipline and proper atmosphere of studies in the hostels.

The following acts of indiscipline are strictly prohibited:

- All kinds of shouting, violence, knocking or /and any other act of undesirable behavior that is likely to cause disturbance or annoyance to others.
- Ragging of all kinds in the hostels or in the University Departments and within or outside the Campus.
- Any form of playing music and video system inside the room or the hostel premises causing annoyance and disturbance to others.
- Maltreating or abusing the hostel employees, mess canteen staff and others.
- Any meeting not relating to hostel affairs held on the hostel premises without prior permission.
- Keeping fire arms, weapons and intoxicants of any kind in the hostels.
- Cooking in the room of the hostels.
- The use of electric heaters, immersion heater, radio, TV and other similar electrical appliances in the room.
- Keeping the light and fan on when boarders are not inside the rooms.
- Damaging, misusing and stealing of any hostel property or stealing others belongings.
- Entertaining female visitor into the room of the boarders in the boy's hostels and male visitor into the rooms of the women hostels.
- Boarders staying outside overnight without permission of the competent authority.
- Overstaying in Hostels by the boarders without permission of competent authority.
- Entertaining guest/outside in the hostel without written permission of the respective Hostel Superintendent.

- Leaving Jyoti Vihar without intimating the hostel authority in writing and without taking prior permission.
- Consumption of alcohol and / or any other intoxicant by a boarder.
- Sexual harassment of any kind.
- Sexist or Casteist remark of any kind.
- Non-adherence to COVID-19/Government Guidelines and SOP of the university issued from time to time.
- The student boarders will not be doing any problems in the University or having any affiliation with any political party. If found will be expelled from the Hostel.

## **5. FINAL CLEARANCE**

- (i) After the completion of theory and practical examinations the boarders shall have to handover the furniture and other materials issued to him/her along with the room key with the hostel authorities within a week.
- (ii) The boarder can then claim a final clearance certificate in the prescribed format from the hostel office and submit the same to the respective H.O.D.
- (iii) There shall be a Hostel Residence Committee (HRC) with Warden, P.G Hostels as the Chairman and all Superintendents and Assistant Superintendents as its members. The Hostel Residence Committee shall look into general administration of the Hostels.

**GO AHEAD: REPORT RAGGING**

**ADDITIONAL INFORMATION FOR  
ADMISSION  
TO REGULAR AND  
SELF-FINANCING COURSES IN  
P.G. DEPARTMENTS  
2022-23 THROUGH SUET-2022**

## **A. Master in Performing Arts (Regular)**

### **SCHOOL OF PERFORMING ARTS**

#### **SPECIAL FEATURES OF THE COURSE AND HOST DEPARTMENT:**

The Department is the only institution in Western Odisha imparting teaching and research in Performing Arts. Since its establishment in the year 2010, it has created a name of its own in the field of Dance and Drama. Many of the passed out students of this Department have been successfully engaged in various public and private sector organizations of repute. Also a good number of students have received fellowships from the Ministry of Culture, Government of India for pursuing their studies. The Department has been organizing public performance events in order to demonstrate the art and creativity of the student from time to time.

**1. ELIGIBILITY CRITERIA:** Any graduate.

**2. SELECTION CRITERIA:** Selection for admission into Performing Arts (Dance & Drama) shall be done through Written Entrance Test 30%, Career Mark 30%, Performance Test 30%, Experience in Performing Arts 10%. However, a candidate must secure at least 30% marks in Performance Test.

Career marks will be calculated from 30 marks out of which 05 marks will be given for 10<sup>th</sup> examination, 10 marks will be given for +2 examination and 15 marks will be given for +3 examinations. The applicants are requested to indicate either the marks or the CGPA as reflected in their mark sheets. The marks awarded for career will be as follows:

- (i) Percentage of marks expressed as a fraction or CGPA expressed as a fraction of 10 multiplied by 5 in the 10<sup>th</sup> examination, and multiplied by 10 in +2 examinations.
- (ii) If the applicant has applied for the subject at P.G. level, which s/he has taken as core/honors at UG level, then s/he will get 4 marks. For distinction, 01 mark will be awarded. The remaining 10 marks will follow the same formula as +2. In case of identical total marks in (entrance+ career), entrance marks will be taken for deciding the merit. If entrance marks are also identical then career mark in graduation examination (+3) and then +2 marks will be considered for deciding the rank. In case of +2 career marks being identical, the applicant born earlier will get the higher rank.

(When number of application is less than the sanctioned strength, merit list will be prepared based on career mark only)

**3. DURATION OF THE COURSE:** 2 YEARS

**4. NUMBER OF SEATS:** 20 (10+10) DRAMA+DANCE

**5. COURSE STRUCTURE: (Likely to be revised from the Academic Session 2022-23)****DANCE****1<sup>ST</sup> SEMESTER**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
MPA (DNC) –4.1.1	History of Indian Dance & Drama (Ancient and Medieval)	4
MPA (DNC) –4.1.2	Natyashastra and Other Texts	4
MPA (DNC) –4.1.3	Folk Dance and Folk Drama (Major) of Western Odisha	4
MPA(DNC) –4.1.4	Yoga	4
MPA (DNC) –4.1.5	Studio Course -Multimedia & Computers	4

**2<sup>nd</sup> SEMESTER**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
MPA (DNC) –4.2.1	Indian Dance: Pre and Post-Independence Scenario	4
MPA (DNC) –4.2.2	Dance Aesthetics	4
MPA (DNC) –4.2.3	Popular Dances of the World	4
MPA(DNC) –4.2.4	Studio Course - Abhinaya Aspect of Classical	4
MPA (DNC) –4.2.5	Studio Course - Rhythm	4

**3<sup>rd</sup> SEMESTER (Special Paper)****(A) ODISSI DANCE**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
MPA (DNC) –5.1.1	Dance Research	4
MPA (DNC) –5.1.2	Theory of Odissi Dance	4
MPA (DNC) –5.1.3	Studio Course - Choreography	4
MPA(DNC) –5.1.4	Studio Course - Techniques of Odissi Dance	4
MPA (DNC) –5.1.5	Studio Course - Arts Management	4



**3<sup>d</sup> SEMESTER (Special Paper)****(B) FOLK DANCES OF WESTERN ODISHA**

Course No.	Title of the Course	Credit Hours
MPA (DNC) –5.1.1	Dance Research	4
MPA (DNC) –5.1.2	History & Principles Of Western Odisha Dance	4
MPA (DNC) –5.1.3	Studio Course - Choreography and Art Management	4
MPA(DNC) –5.1.4	Studio Course - Techniques Of Sambalpuri Dance- I	4
MPA (DNC) –5.1.5	Studio Course - Techniques Of Sambalpuri Dance-II	4

**4<sup>th</sup> SEMESTER (Special Paper)****(A) ODISSI DANCE**

Course No.	Title of the Course	Credit Hours
MPA (DNC) –5.2.1	Musical Instruments of Odissi Dance, Origin and History	4
MPA (DNC) –5.2.2	Life sketch & contribution of Odissi Nrutya Guru & Dancers	4
MPA (DNC) –5.2.3	Studio Course-Teaching Process	4
MPA(DNC) –5.2.4	Studio Course - Performance	4
MPA (DNC) –5.2.5	Field work, Project Report /Dissertation & Viva -voce	4

**(B) SAMBALPURI DANCE**

Course No.	Title of the Course	Credit Hours
MPA (DNC) –5.2.1	Musical Instruments of Folk Instruments	4
MPA (DNC) –5.2.2	Life Sketch & Contribution of Nrutya Guru in Sambalpuri Dance	4
MPA (DNC) –5.2.3	Studio Course - Teaching Process	4
MPA(DNC) –5.2.4	Studio Course - Stage Performance	4
MPA (DNC) –5.2.5	Field work, Project Report /Dissertation & Viva -voce	4

**DRAMA****1<sup>ST</sup> SEMESTER**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
MPA (DRM) –4.1.1	History of Indian Dance and Drama(Ancient and Medieval)	4
MPA (DRM) –4.1.2	Natyashastra and other Texts	4
MPA (DRM) –4.1.3	Folk Dance and Folk Drama (Major) of Western Odisha	4
MPA(DRM) –4.1.4	Studio Course (Practical) Yoga, Music & Theatre Games	4
MPA (DRM) –4.1.5	Studio Course - Multimedia & Computers	4

**2<sup>ND</sup> SEMESTER**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
MPA (DRM) –4.2.1	Dramatic Literature	4
MPA (DRM) –4.2.2	History & Development of Theater	4
MPA (DRM) –4.2.3	Theatre Basics (Acting, Direction, Stage Craft, Play Writing)	4
MPA(DRM) –4.2.4	Studio Course - Acting Techniques and Methods	4
MPA (DRM) –4.2.5	Studio Course - Acting and Direction	4

**3<sup>RD</sup> SEMESTER****SPECIAL PAPER (ACTING)**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
MPA (DRM) –5.1.1	Theory of Acting	4
MPA (DRM) –5.1.2	Elements of Acting, Group dynamics, Relations with other Directors	4
MPA (DRM) –5.1.3	Studio Course - Acting in Different Media	4
MPA(DRM) –5.1.4	Studio Course - Stage Acting with Given Script	4
MPA (DRM) –5.1.5	Studio Course - Theatre Forms	4

**4<sup>TH</sup> SEMESTER****(ACTING)**

Course No.	Title of the Course	Credit Hours
MPA (DRM) –5.2.1	Theatre Research	4
MPA (DRM) –5.2.2	Theatre Management	4
MPA (DRM) –5.2.3	Studio Course-Classroom Production	4
MPA(DRM) –5.2.4	Project/dissertation/Seminar in the Concerned Stream	4
MPA (DRM) –5.2.5	Studio course - Play Production	4

**\*Studio Course = Practical**

\*From the beginning of the third Semester, a student shall work on a dissertation under the supervision of a suitable Guide with the approval of the Academic Committee. The dissertation will be evaluated during Fourth Semester.

**Total Credit Hours of the Semesters - 80****6. Coordinator:**

Dr. Jagadish Kumar Tripathy  
Associate Professor,  
Dept of Earth Sciences  
Mob. No.9437444750

**7. Teacher-in-charge Examination:**

Dr. Mohit Kumar Swain  
Mob. No.9437130494

**8. Teacher-in-charge Admission:**

Mrs. Mamata Sahu  
Mob. No.7978942075, 9437420161

**9. COURSE FACULTY :**

(A)

SL NO.	Name Of The Teacher	Qualification	Area Of Specialization	Email Address / Contact No.
1.	Mrs. Mamata Sahu Asst. Professor	M.Sc.(Zoo) M.Phil (Ictheology) B.Ed, MPA(Dance) M.Phil (Dance) CBSE NET (Dance)	ODISSI DANCE	<a href="mailto:mamatasahuodissi@gmail.com">mamatasahuodissi@gmail.com</a> Mob- 7978942075 9437420161
2.	Dr. Mohit Kumar Swain Asst. Professor	MPA (Dance) M.Phil. (Performing Arts) Ph.D. (Performing Arts)	SAMBALPURI DANCE	<a href="mailto:lahirimohitsbp@gmail.com">lahirimohitsbp@gmail.com</a> Mob- 9437130494
3.	Mr. Arabinda Panda Asst. Professor	MPA (Drama)	ACTING	<a href="mailto:arabind1967@gmail.com">arabind1967@gmail.com</a> Mob-9861428775 6371708544

**(B) - Guest Faculty:**

1. Guru Ranajit Kumar Nag  
(Eminent Folk Artist, Sangeet Natak Akademy Awardee)
2. Prof. Pushpita Mukherjee  
(HOD in Odissi Dance, Biswabharati University, Kolkata)
3. Arupa Gayatri Panda  
(HOD, Performing Arts, Sri Sri University, Cuttack)
4. Dr. Nabin Kumar Parida  
(Retd. Principal Utkal Sangeet Mahavidyalaya, Bhubaneswar)
5. Dr. Sudarson Jena  
(Associate Professor & Head of the Department, Computer Science Engineering & Application, SUIIT)
6. Mr. Ratan Pujahari  
(Eminent Artist [Song], AIR approved music composer)
7. Mr. Kapilendra Sahu  
(Eminent Artist [Percussion Instrument], Odisha Sangeet Natak Academy Awardee, AIR approved artist)

## **B. Executive MBA (Self-financing)**

### **DEPARTMENT OF BUSINESS ADMINISTRATION**

#### **SPECIAL FEATURES OF THE COURSE AND HOST DEPARTMENT:**

The course has been designed to develop Executive by equipping them with managerial tools and techniques so as to make them capable of shouldering higher responsibility and contributing to the organizational growth.

The Department is equipped with highly qualified and experienced faculty with adequate modern infrastructure.

- 1. NUMBER OF SEATS:** 16 (minimum number to run the programme is 08)
- 2. ELIGIBILITY CRITERIA:** “Any Graduate with two years of work experience after graduation in any registered Govt./ Private /Autonomous Organization shall be eligible for apply for admission to the I semester of three-year Executive MBA programme, Entrepreneur and self employed person with Own-SSIS, valid License, TIN, PAN etc. with annual sales turnover of Rs.50.00 Lakh or more and professionals such as Doctors, Engineers, Chartered Accountants, Cost Accountants, Company Secretaries, Legal Practitioners with two year experience will also be eligible for admission.”
- Candidates on job, seeking admission to the programme, will have to produce NOC from their respective organizations.

#### **3. COURSE STRUCTURE: (Likely to be revised from the Academic Session 2022-23)**

<b>1<sup>st</sup> Semester</b>		<b>Marks</b>
E-E-101	Management process and Organisation Behaviour	100
E-102	Human Resource Management	100
E-103	Financial Accounting for Managers	100
E-104	Quantitative Methods for Managers	100
E-105	Marketing Management	100

<b>2nd Semester</b>		<b>Marks</b>
E-201	Managerial Economics	100
E-202	Financial Management	100
E-203	Strategic Cost & Management Accounting	100
E-204	Indian Ethos & Values	100
E-205	Management Science	50

<b>3rd Semester</b>		<b>Marks</b>
E-301	Research Methodology	100
E-302	Computers for Management	100
E-303	Three Elective Specialization	100
E-304	Papers from Groups of E-303 to	
E-305	E-305	

4th Semester		Marks
E-401	Business Environment	100
E-402	Production Management	100
E-403	Three Elective Specialization Papers from Groups of E-403 to E-405	100
E-404		
E-405		

5th Semester		Marks
E-501	Business Policy	100
E-502	Business Legislation	100
E-503	Three Elective Specialization Papers from Groups of E-503 to E-505	100
E-504		
E-505		

6th Semester		Marks
E-601	Management Information System	100
E-602	Strategic Management	100
E-603	Corporate Governance	100
E-604	Dissertation (Equivalent to two Papers)	200

### SPECIALIZATION OFFERED

Floating of an area of specialization will be the exclusive prerogative of the department and the mere mentioning of the areas of specialization in the prospectus does not entitle a candidate the right to press for the opening of an area of specialization of his/her own choice.

**ELECTIVE SPECIALISATION PAPERS: Each paper carries 100 Marks.**

FINANCE	Human Resource Management
E-303FIN Security Analysis and Portfolio Management	E-303 HRM Industrial Relation
E-304FIN Project Planning and Appraisal Method	E-304 HRM Management Training and Development
E-305FIN Working Capital Management	E-305 HRM Human Resource Development Strategies and System
E403FIN Management Control System	E-403 HRM Manpower Development for Technological Change
E-404FIN Corporate Taxation	E-404 HRM Compensation Management
E-405FIN Corporate Restructuring	E-405 HRM Managing Interpersonal and Group Processes
E-503FIN Financial Derivatives	E-503 HRM Industrial Relation
E-504FIN international Accounting	E-504 HRM Management Training and Development
E-505FIN international Finance	E-505 HRM Legal Framework Governing Human Relation

<b>Marketing</b>	<b>Production</b>
E-303-MAR Consumer Behaviour E-304-MAR Advertising Management E-305-MAR Sales and Distribution Management E-403-MAR Strategic Management E404-MAR Marketing of Services E-405-MAR Retail Management E-503-MAR International Marketing E-504-MAR Brand Management E-505-MAR Marketing Research	E-303 PRO Total Quality Management E-304 PRO Production Planning and Control E-305 PRO Logistic Management - E-403 PRO Purchasing and Material Management E-404 PRO Applied Operation Research E-405 PRO Transportation Management E-503 PRO Goal Programming in Management E-504 PRO Service Operation Management E-505 PRO World Call Manufacturing

<b>Rural Management</b>	<b>Health Care Administration</b>
E-303 RUR Corporative Management E-304 RUR Rural Credit Finance E-305 RUR Rural Resource and Development E4Q3 RUR Rural Industrialization E-404 RUR Participatory Development in Rural Areas E405 RUR Rural Marketing E-503 RUR Waste Land Management E-504 RUR Urban Development and Regional Planning E-505 RUR Urbanization in India	E-303 HCA Organization and Management of Hospital E-304 HCA Health Care and Social Policy E-305 HCA Health System Management E-403 HCA Health Care Economics and Finance E-404 HCA Environmental Health Management and Safety E-405 HCA Health and Hospital Information System E-503 HCA Health Communication: Development and E-504 HCACommunity Health, Epidemiology & Population E-505 HCA Support and Utility Services and Risk Management

<b>System</b>	<b>Small Business and Entrepreneurship Management</b>
E-303 SYS' Derision Support System E-304 SYS Business Process Reengineering E-3Q5 SY5 System Analysis and Design E-403 SYS Database Management E-405 SYS IT Application for Business E-503 SYS Security and Control Information System Dissemination E-504 SYS Software Engineering Management E-505 SYS E-Business	E-303 SBE Government Business Interface E-304 SBE Small Business Marketing E-305 SBE Financing of Small Business E-403 SBE New Enterprises Management E-404 SBE Entrepreneurial Development E-405 SBE Small Business Environment and Management E-503 SBE Innovation and Small Business Management E-504 SBE Small Business Investment and Management E-505 SBE Small Business & Export Management

**7. Course Coordinator:** Dr. D.K. Mahalik  
Mob. 9861134018

**8. Teacher-in-Charge, Examination:** Dr. R.K. Mishra  
Mob. 7894896974

**9. COURSE FACULTY & GUEST FACULTY:**

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Prof. B.Satpathy         | 14. Prof. S.R. Mahapatra  |
| 2. Prof. A.K. Das Mohapatra | 15. Dr. K. Pradhan        |
| 3. Dr. P.C. Tripathy        | 16. Dr. S. Sahu           |
| 4. Dr. T.K. Das             | 17. Mr. N.K. Ojha         |
| 5. Dr. D.K. Mahalik         | 18. Mr. P.K. Sahu         |
| 6. Mr. S. Kerketta          | 19. Mr. O.P. Mishra       |
| 7. Ms. A. Samal             | 20. Prof. A.K. Sribastab  |
| 8. Dr. S.K. Sahoo           | 21. Mr. J. Patjoshi       |
| 9. Dr. R.K. Mishra          | 22. Prof. S. Teki         |
| 10. Prof. D.V. Ramana       | 23. Dr.(Mrs.) M. Pattnaik |
| 11. Prof. P.N. Panda        | 24. Prof. A.M. Pal        |
| 12. Prof. S.S. Rath         | 25. Prof. B.R. Parida     |
| 13. Dr. P. Dandsana         |                           |



## C. INTEGRATED B.Ed.-M.Ed. (Self-financing)

### P.G. DEPARTMENT OF EDUCATION

**SPECIAL FEATURE OF THE COURSE:** The Integrated B.Ed.- M.Ed. Programme is a three-year full-time professional programme in education, without any option of intermediate exit before completing the 3-years study. It aims at preparing teacher educators and other professionals in education, including curriculum developers, educational policy analysts, educational planners and administrators, school principals, supervisors and researchers in the field of education. The completion of the programme shall lead to integrated B.Ed.-M.Ed. degree with specialization in school education (both elementary and secondary).

1. **DURATION OF THE COURSE:** 3 Years
2. **NUMBER OF SEATS:** 50 [Admission shall be made on a 50:50 ratio for Arts (Social Science and Humanities) and Science Streams]
3. **ELIGIBILITY CRITERIA:** Post Graduate degree in Science / Social Science / Humanities from a recognized University or Institution affiliated to a recognized University with a minimum of 55% marks or equivalent grade.
4. **COURSE STRUCTURE:**

### SEMESTER-WISE COURSES AND CREDITS

#### SEMESTER – I (20 + 4 Credits)

Course	Title	Credit (s)		Marks		
		Theory (Teaching Hrs.)	Practicum (hours/ weeks)	Internal Assessment	External Exam.	Full Marks
PC-3	Education, School and Society	4 (64 Hrs.)	1(32)	30	70	100
PC-5	Childhood and Growing up	4 (64 Hrs.)	1(32)	30	70	100
PC-8	Curriculum Studies	4 (64 Hrs.)	1(32)	30	70	100
PPP	Pedagogy Processes and Practices	4(64 Hrs.)	1(32)	30	70	100
PSS-A	Pedagogy of School Subject Gr.A-P.I	4 (64 Hrs.)	1(32)	30	70	100
PSS-Pr.-I	SI -I School Exposure	-	04 (2 weeks)	100	-	100
<b>Total</b>		20 (320Hrs.)	04 (160hrs & 2 weeks)	150+ 100	350	500+ 100

**SEMESTER- II (18 + 6 CREDITS)**

Course	Title	Credit (s)		Marks		
		Theory (Teaching Hrs.)	Practicum (weeks)	Internal Assess- ment	External Exam.	Full Marks
PC-4	Historical, Political and Economic Perspectives of Education	4 (64 Hrs.)	-	30	70	100
PC-6	Learner and Learning	4 (64 Hrs.)	-	30	70	100
PC-10	Learning Assessment	2 (32 Hrs.)	-	15	35	50
RTS-3	Inclusive Schooling	2(32 Hrs.)	-	15	35	50
RTS-4	ICT in Education	2(32 Hrs.)	-	15	35	50
PSS-A	Pedagogy of School Subjects Gr.A- P.2	4 (64 Hrs.)	-	30	70	100
RTS- P3	Communication and Expository Writing	-	02 (64Hrs)	50	-	50
PSS-Pr.-II	SI-II Exposure to Multi-cultural Contexts in Schools	-	04 (4 weeks)	100	-	100
Total		18 (320Hrs.)	06	135+ 150	315	450+ 150

**SEMESTER- III (14 + 10 CREDITS)**

Course	Title	Credit (s)		Marks		
		Theory (Teaching Hrs.)	Practicum (Hrs./weeks)	Internal Assessment	External Exam.	Full Marks
PC-1	Introduction to Study of Education	4(64 Hrs.)	-	30	70	100
PC-9	Language across Curriculum	2(32 Hrs.)	-	15	35	50
RTS-1	Introduction to Research Methods	4(64 Hrs.)	-	30	70	100
PSS-B	Pedagogy of School Subjects-Gr.B-.P.1	4(64 Hrs.)	-	30	70	100
RTS Pr.-1	Dissertation	-	2 (64 Hrs.)	50	-	50
RTS Pr.-2	Research Seminar	-	2 (64 Hrs.)	50	-	50
PSS-Pr.III	SI-III Classroom Transaction and related activity	-	4 (6 weeks)	100	-	100
PSS Pr. IV	Interaction with Community	-	1 (1 week)	25	-	25
PSS-Pr. V	Discourse with Other Related Agencies	-	1 (1 week)	25	-	25
Total		14 (224 Hrs.)	10	105+ 250	245	350+ 250

**SEMESTER- IV (18 + 6 CREDITS)**

Course	Title	Credit (s)		Marks		
		Theory (Teaching Hrs.)	Practicum (weeks)	Internal Assessment	External Exam.	Full Marks
PC-2	Philosophical Perspectives in Education	4(64 Hrs.)		30	70	100
RTS-5	Self Development	2(32 Hrs.)		15	35	50
TEC-1	Perspectives in Teacher Education	4(64 Hrs.)		30	70	100
PSS-2	Pedagogy of School Subjects-2.P.II	4(64 Hrs.)		30	70	100
SSC-1	School Education: Systems, Structures and Functions	4(64 Hrs.)		30	70	100
RTS Pr.-1	Dissertation		2 (64 Hrs.)	50	--	50
TEC-Pr	Attachment with TEIs (Elementary and Secondary TEIs)		4 (6 weeks)	100	--	100
<b>Total</b>		<b>18 (288Hrs.)</b>	<b>6</b>	<b>135+ 150</b>	<b>315</b>	<b>450+ 150</b>

**SEMESTER- V (16 + 8 CREDITS)**

Course	Title	Credit (s)		Marks		
		Theory (Teaching Hrs.)	Practicum (Hrs./weeks)	Internal Assessment	External Exam.	Full Marks
PC-7	Contemporary Concerns in Education	4(64 Hrs.)		30	70	100
RTS-2	Advanced Research Methods	4(64 Hrs.)		30	70	100
TS	Theme-based Specialization (a.P.I)	4(64 Hrs.)		30	70	100
	Theme-based Specialization (b.P.I)	4(64 Hrs.)		30	70	100
RTS Pr.-1	Dissertation		2 (64 Hrs.)	50	--	50
PSS- Pr.III	SI-III Classroom Transaction and related activity(Contd.)		4 (6 weeks)	100	--	100
TS Pr.1	Theme Area Practicum		2 (2 weeks)	50	--	50
<b>Total</b>		<b>16 (256Hrs.)</b>	<b>8</b>	<b>120+ 200</b>	<b>280</b>	<b>400+ 200</b>

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**SEMESTER- VI (20 +4 CREDITS)**

Course	Title	Credit (s)		Marks		
		Theory (Teaching Hrs.)	Practicum (Hrs./ weeks)	Internal Assessment	External Exam.	Full Marks
<b>TEC-2</b>	Issues and Research in Teacher Education	4(64 Hrs.)		30	70	100
<b>SSC-2</b>	Emerging Issues in Elementary Education	4(64 Hrs.)		30	70	100
<b>SSC-3</b>	Emerging Issues in Secondary and Senior Secondary Education	4(64 Hrs.)		30	70	100
<b>TS</b>	Theme-based Specialization (a. P.II)	4(64 Hrs.)		30	70	100
	Theme-based Specialization (b. P.II)	4(64 Hrs.)		30	70	100
<b>RTS Pr.-1</b>	Dissertation		4 (64 Hrs.)	50	50	100
<b>TS Pr.2</b>	Theme Area Practicum		2 (2 weeks)	50	--	50
<b>Total</b>		<b>20 (320 Hrs.)</b>	<b>4</b>	<b>150+ 100</b>	<b>350+ 50</b>	<b>500+ 150</b>

**Name of the Course Coordinator: Dr. (Ms.) A. Patel, Mob. No. 7008223032**

**Name of the Faculty Members**

**Designation**

- |                     |                                   |
|---------------------|-----------------------------------|
| 1. Dr. J. Khamari   | Professor (contractual)           |
| 2. Dr. D. Mahapatra | Associate Professor (contractual) |
| 3. Mr. S.K. Bag     | Asst. Professor (contractual)     |
| 4. Mr. Y. Mishra    | Asst. Professor (contractual)     |

## **D. M.Tech. in Environmental Science and Engineering, (Self-financing)**

### **P.G.DEPARTMENT OF ENVIRONMENTAL SCIENCES (AUTONOMOUS)**

#### **SPECIAL FEATURES OF THE COURSE AND HOST DEPARTMENT:**

The M.Tech. programme in Environmental Science and Engineering is first of its kind in the state and one of the few in the country and has successfully entered into the fifteenth year of its existence. It is a four semester UGC approved degree and Sambalpur University approved course. It has course work and research project component. It is a regular course and keeping in view of its usefulness to serving employees the teaching is imparted on all days (except Sunday) during afternoon / evening hours and from 10 to 4 pm on Sunday. The course structure includes advanced modules in Environmental Science and Engineering and has been designed at par with the other premier institutes of the country and keeping the employment opportunity of the students in view. The students of M.Tech. Programme after successful completion have got employment in Vedanta Aluminium, NALCO, SPCBs, HINDALCO, OPGC, NTPC, CPGC etc.

- 1. ELIGIBILITY CRITERIA :** M.Sc. in any Science subject with at least 55% marks in aggregate or B.Tech. /B.E. degree in any professional Course of minimum four years duration after +2 science with at least 45% marks in aggregate.
- 2. SELECTION CRITERIA:** Career -30%,Written- 70% marks with the following distribution.

<b>For General M.Sc.Students</b>	<b>First Dvn.</b>	<b>Second Dvn.</b>	<b>Third Dvn.</b>
H.S.C.E	6.0	4.5	3.0
+2	6.0	4.5	3.0
+3 (Hons)	9.0	7.0	5.0
Distinction	1.0	1.0	1.0
M.Sc.	8.0	6.0	4.0
<b>For Professional degree students</b>	First class Hons	First class	Second Class
B.E./B.Tech.(after +2)	18	13	8

- 3. DURATION OF THE COURSE:** 2 YEARS
- 4. NUMBER OF SEATS:** 16 (Minimum number to run the course shall be decided by the Teachers Council).
- 5. COURSE STRUCTURE: (Likely to be revised from the Academic Session 2022-23)**

<b>FIRST SEMESTER</b>		
<b>Core Course No.</b>	<b>Title of the Course</b>	<b>Credit Hours</b>
ESE 611	Fundamentals of Ecology and Environmental Sciences	3
ESE 612	Environmental Chemistry, Pollution and Control	3
ESE 613	Environmental Policies and Laws	3
ESE 614	Environmental Microbiology	3
ESE 615 A OR	Advanced Applied Statistics, Environmental System Optimization and modeling	3
ESE 615 B OR	Environmental Toxicology	3
ESE 615 C	Industrial Safety and Management	
ESE 616	Laboratory: Environmental Monitoring I	3
ESE 617	Seminar presentation	2
<b>Total Credit hours</b>		<b>20</b>

## SECOND SEMESTER

Core Course No.	Title of the Course	Credit Hours
ESE 621	Instrumental Techniques and application in Environmental Science and Engineering	3
ESE 622	Environmental Impact Assessment, Environmental Audit and Environmental Management Systems	3
ESE 623 A	Air Quality Management	3
ESE 623 B	Remote Sensing and Geological information System	3
ESE 623 C	Hazards Control and Management in Industries	3
ESE 624	Laboratory: Environmental Monitoring II	3
ESE 625	Seminar Presentation	2

ELECTIVE COURSE	A student shall select any one paper from ENS 623 and will have the option to choose any one of the following groups of Elective Course consisting of two papers, each of 3CH	
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	<b>GROUP I: Pollution Control and Management in Mining Industry</b>	
ESE 626 A	Environmental aspects of Mining Industries	3
ESE 626 B	Solid and Hazardous Waste Management and land Reclamation	3
	<b>GROUP II: Hydrogeology ,Watershed Management and Waste Water Engineering</b>	
ESE 627 A	Hydrogeology and watershed Management	3
ESE 627 B	Waste water Engineering	3
	<b>GROUP III: Environmental Geology</b>	
ESE 628 A	Environmental Geology and Disaster management	3
ESE 628 B	Remote Sensing and Geological information System	3
	Total Credit hours	<b>20</b>
	<b>GROUP III: Green Technology and Management</b>	
ESE 629 A	Green Technology and Sustainable Development	3
ESE 629B	Soil Pollution and Waste Management	3
	Total Credit hours	<b>20</b>

A candidate shall select any one paper from ESE 623

- ESE 623 B can only be opted by students who do not belong to Environmental Geology Specialisation.
- At the end of Second Semester, each student shall undergo one month summer training in an Industrial Establishment or Scientific Institution or any other organization and submit a Project Report on the activities for evaluation during third Semester. The student may in lieu of summer training, work on a minor project and submit the report for evaluation during the third semester.
- From the beginning of the third Semester, a student shall work on a dissertation under the supervision of a suitable Guide from the P.G. Departments or outside including Scientists and Technocrats from Industries and Corporate Sectors with the approval of the Academic Committee. The dissertation will be evaluated both during Third semester (Interim) and Fourth Semester. The Third Semester also includes a paper on Research Methodology.

**THIRD SEMESTER**

Course No.	Title of the Course	Credit Hours
ESE 711	Research Methodology	4
ESE 712	Evaluation of Summer training Report/Minor Project Report	4
ESE 713	Seminar and Viva-Voce on Summer training Report/Minor Project Report	4
ESE 714	Evaluation of Dissertation(Interim) ,seminar and viva-Voce	8
<b>Total Credit Hours</b>		<b>20</b>

**FOURTH SEMESTER**

Course No.	Title of the Course	Credit Hours
ESE 721	Evaluation of Dissertation	12
ESE 722	Seminar on Dissertation	4
ESE 723	Viva-Voce on dissertation	4
<b>Total Credit Hours</b>		<b>20</b>

**Total Credit Hours of the Semesters-80****SPECIALIZATION OFFERED :**

1. Pollution Control and Management in Mining Industry
2. Hydrogeology, Watershed Management and Waste Water Engineering
3. Environmental Geology
4. Green Technology and Management

**6. Course Coordinator** : **Prof. S.K. Pattanayak** **Mob. No.9439809787**

**7. Teacher in-charge Examination** : **Dr. M.R. Mahananda** **Mob. No. 9439636915**

**8. COURSE FACULTY:****A. Core Faculty**

SI No.	Name of the teacher	Qualification	Area of Specialisation	Email address/ Telephone
1.	Prof. S.K.Sahu Chair Professor, Science & Technology	M.Sc,M.Phil Ph.D	Soil Biology & Biotechnology, Solid Waste Management, Vermitechnology and Ecotoxicology and Environmental Monitoring	<a href="mailto:sahusanjat@rediffmail.com">sahusanjat@rediffmail.com</a> <a href="mailto:sahusanjat@gmail.com">sahusanjat@gmail.com</a> Mob. No.9668220609
2.	Prof. S.K. Pattanayak Professor & Head	M.Sc., Ph.D.	Geology and Geochemistry, GIS, Remote Sensing, Basin Studies, EIA and EMP, Disaster Management.	<a href="mailto:skp.envsu@gmail.com">skp.envsu@gmail.com</a> <a href="mailto:skp.envsu.backup@gmail.com">skp.envsu.backup@gmail.com</a> Mob. No.9439809787
3.	Dr. M.R. Mahananda Asst. Professor	M.Sc., M.Tech, M.Phil, Ph.D	Ecotoxicogenomics, Genetic Toxicity, Molecular Mutagenesis, Microbial ecological study, Management of hazardous solid waste, Chemical hazards on reproductive health	<a href="mailto:malay_env@rediffmail.com">malay_env@rediffmail.com</a> Mob. No.9439536915
4.	Dr. I. Baitharu Asst. Professor	M.Sc., M.Phil. Ph.D.	Metagenomics, Environmental Toxicology, Neurotoxicology, Environmental Biotechnology	<a href="mailto:iswarbaitharu@suniv.ac.in">iswarbaitharu@suniv.ac.in</a> Mob. No.8763313595

## B-Guest Faculty

- |                              |  |
|------------------------------|--|
| 1. Prof. P.C. Mishra         | Retd. Professor in Environmental Science, Sambalpur University, Former Expert member National Green Tribunal |
| 2. Prof. Niranjana Behera    | Retd. Professor in Life Sciences, Sambalpur University   |
| 3. Prof. Ashutosh Naik       | Retd. Professor in Earth Sciences, Sambalpur University  |
| 4. Prof. B. Behera           | Retd. Professor in Chemistry, Sambalpur University   |
| 5. Mr. J.N. Patjoshi (Retd.) | Department of Law Sambalpur University   |
| 6. Prof. S.R. Mohapatra -    | Department of Law, Sambalpur University  |
| 7. Dr. Chandan Sahu -        | G.M. University, Sambalpur   |

## ABOUT THE HOST DEPARTMENT

The Department of Environmental Sciences in Sambalpur University was approved by the University Grants Commission during seventh plan period and was established in 1989 as the only Post Graduate Department of its kind in the state of Orissa and one of the few in the country. The Department started M.Phil. programme from the academic session 1990-1991 and M.Sc. programme from the session 1994-95. At present the student intake is 24 at M.Sc. level. The Department is now highly acclaimed for a programme on M.Tech. in Environmental Science and Engineering on self-financing basis from the session 2007-08. In the previous year there is an intake of 18 students into this programme. This year there is an intake of twenty students into this programme. Based on its academic excellence, the Department is granted academic autonomy from the session 2006-2007.

The Department offers courses at M.Sc., and M.Tech. levels on various aspects of Environmental Sciences like System Ecology, Population and Community Ecology, Environmental Pollution, Resource Conservation and Management, Instrumental Techniques, Computer application and data analysis, Forest Ecology, Environmental Law and Society, Environmental Toxicology, Soil Biology and Biotechnology, Ecological Monitoring, Soil Pollution and Waste Management, Applications of Remote Sensing and GIS into Environmental Science, Energy Resources, Environmental aspects of Mining Industry, Hydrology & Watershed Management, Waste Water Engineering, EI A, EMP, Research Methodology etc. Besides these, Seminar and Summer Training, Term Paper & Dissertation work are also part of the course curricula. The course curricula of the Department have been updated from time to time to imbibe advanced knowledge in different areas of Environmental Science & Technology. To cater to the need of the students, the Department has a seminar library of about 600 books and a dozen of computers with Internet facilities and instruments relating to monitoring of air, water, soil and noise and analysis of biological samples etc.

Over the years the research activities have been carried out by the faculty members in different areas of pollution monitoring, control and management. The teachers of the department have published a total number of 300 research papers in various national and international journals and 15 authored/edited books. As many as 27 Ph.D., 120 M.Phil., and 500 M.Sc. and 170 M.Tech. Students have been awarded degrees from this Department. The Department has received financial support to the tune of Rs.1 Crore in the form of research projects from UGC, New Delhi, UNEP/GEF, INDAL, Hirakud, OPGC, Bhubaneswar, OSPCB, Bhubaneswar, NTPC, Farraka, NTPC, Kaniha, MCL, Sambalpur, ICMR, New Delhi, JSW, DST etc. During 2003-2004, the department received a prestigious FIST grant of Rs. 20 lakhs from the Department of Science and Technology, Government of India to update the infrastructure facility of the Department.

The teachers of the Department are also associated with industries and other agencies in consultancy work on taxo-ecological enumeration of flora and fauna, air and water monitoring, management of organic waste through vermicomposting, fly ash utilization in agriculture, low cost waste water technology, assessment of quality of life of people around Development Projects, ecological enumeration of vegetation and their potential in carbon removal etc. The thrust and focus of the future research plan of the Department is Environmental Technology, Low-Cost Waste Water Treatment, Solid Waste Management, EIA and EMP Studies.

Since its inception, the Department has organised One International Seminar, Four National Seminars, Four Workshops and Ten U.G.C. sponsored Refresher Courses. The Department has already organized some national level Seminars viz. i) *Emerging Perspectives on Disaster management* during February 19-20, 2003 in collaboration with the Department of Anthropology, S.U., ii) *Environment and Sustainable Development* during March 17-18, 2007, and iii) *Sustainable Development of Earth Resources: Strategies on Management plan*, during February 13-14, 2010 in collaboration with the Department of Earth



Sciences, S.U. The Department is on its way to organise an International Seminar on *Environment, Energy and Development (from Stockholm to Copenhagen and beyond)* during December 2010.

The teachers of the Department are also well recognized in their fields at National and International levels. Prof. S.K. Sahu has also been accredited with young scientist award by Environmental Research Academy in the year 2001 for his significant research in the field of Environmental Sciences. He has been nominated as a Fellow of Zoological Society of India, Society for Sciences and International Society for Ecological Communications. Distinguished Sr. Scientist award in World Biodiversity Congress 2016 held at Colombo, Sri Lanka. He is currently the Assistant Editor of Journal of Food, Agriculture and Environment published from Finland. The department has experts in the field of Biology, Chemistry, Environmental pollution and Management, Ecotoxicology, Soil Biology and Biotechnology, as well as Geology and Geochemistry.

A Post Graduate or M.Tech. student or a researcher of the department gets an appropriate training of working together in an inter-disciplinary environment. Many alumni of the Department are well placed in different teaching and research positions in various Government, Semi-Government Institutions, Universities, SPCB, CPCB, OMC, OPGC, NTPC, CPGC, National and Multinational organizations in India and abroad. Many students have also opted a career in NGO in Orissa and outside. At present the Department has seventeen Ph.D. scholars (five with regular fellowship) who are pursuing research in different facets of Environmental Science & Environmental Engineering.

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## E. M.Sc. in Food Science (Self-financing)

### P.G. DEPARTMENT OF FOOD SCIENCE TECHNOLOGY & NUTRITION

**SPECIAL FEATURE OF THE COURSE:** M. Sc. in Food Science programme focuses on the Food Science, an area of increasing importance to Consumers, Government and the Food Industry. This M.Sc. programme is inter disciplinary in nature and is a challenging and practical course which demands a good grasp of knowledge in science. This course is a skill development programme as well as a professional carrier oriented Course which creates a bright opportunity for students for entrepreneurship development. The aim of the course is to provide knowledge and understanding of Fundamentals of food and food products, basic concepts of Nutrition, Chemistry of Food Components & Techniques in Food Analysis, Food Microbiology, Food Safety, Quality Control & Packaging, Food Biotechnology & Statistical Methods in Food Science etc.

This programme will enable to develop:

- An understanding of the subjects at the interface between human nutrition and food science.
- An understanding of food constituents in the context of their manufacture and storage, particularly from the stand points of safety and nutritional attributes.
- One's capacity to undertake research in food science.
- Skills for entrepreneurship development.

**CAREER PROSPECT:** This M.Sc. programme is for those wishing to develop a career in food-related research or the food industry or to start own business by giving opportunities of employment. As a food nutritionist, one is endowed with the skills and knowledge to improve other's quality of life. Moreover, even restaurants employ candidates with degrees in Food & Nutrition, Food Technology, Nutrition or Food Services Management. Thus nowadays, Food Science & Nutrition is one of the vital and growing fields where one can get endless opportunities if looking to build up a career. Food Technologists are required everywhere like hospitals, nursing homes, canteens, government's health departments, food manufacturing companies, etc. Apart from that, their work might include evaluation and acquisition of food materials and equipment, checking and receiving inventories of supplies etc. Our post graduates can therefore expect to find themselves in demand from employers and often have to choose from several excellent job offers like food inspectors, food safety officers, FSSAI auditor.

**1. ELIGIBILITY CRITERIA:** Any Science Graduate or any Technical/ Professional Graduate (B. Tech., B.Sc. Agriculture, B. Pharma, B.Sc. Home Science and other related subjects of four years study after +2 Science) or B.Sc. Food Science / Food Science Nutrition or B.Voc. Food Science Nutrition of three years duration after +2 Science with a minimum of 45% marks at Graduation level are also eligible for admission to M.Sc. in Food Science.

**2. SELECTION CRITERIA:** Career-30 marks, Written test-70 marks (Total-100Marks).When the number of applications is less than the sanctioned strength, merit list will be prepared on the basis of career marks only.

**For students who have passed Technical/ Professional Graduates:**

Degree	First Division	Second Division	Third Division/Pass
High School	6	4.5	3.0
+2	9	7	5
B.E./B.Tech./B.Sc. Home Sc./ B.Pharm (4 years study after +2) / B.Voc.			
First Class Hons or equivalent grade - 75% marks or above			15
First Class or equivalent grade - above 60% marks and below 75%			13
Second Class or equivalent grade - above 50% marks and below 60%			10
Pass or equivalent grade with below 50% marks			07

+3(Honours):  $\frac{\text{Marks secured in Honours Subject}}{\text{Maximum Marks in Honours Subject}} \times 15$

+3(Pass):  $\frac{\text{Aggregate Marks secured}}{\text{Maximum Marks}} \times 12$

**3. DURATION OF THE COURSE:** 2 Years

**4. NUMBER OF SEATS:** 16 with reservation as per rule. (minimum number to run the programme shall be decided by the Teachers Council)

**5. COURSE STRUCTURE: (Likely to be revised from the Academic Session 2022-23)**

**Total Course Credits = 80**

FIRST SEMESTER		
Course No.	Title	Credit Hour
FS. 411	Food Commodities	4
FS. 412	Biochemistry of Food	4
FS. 413	Food Microbiology	4
FS. 414	Basic Concepts of Nutrition	4
FS. 415	Practical related to theory	4
	<b>Total</b>	<b>20</b>
SECOND SEMESTER		
Course No.	Title	Credit Hour
FS. 421	Food Ingredients	4
FS. 422	Techniques in Food Analysis	4
FS. 423	Food Quality Control	4
FS. 424	Food Processing and Preservation	4
FS. 425	Practical related to theory	4
	<b>Total</b>	<b>20</b>
THIRD SEMESTER		
Course No.	Title	Credit Hour
FS. 511	Postharvest Technology and Food Packaging	4
FS. 512	Research Methodology and Biostatistics	4
FS. 513	Industrial Food Biotechnology	4
FS. 514	Elective Paper (any one)	4
	a. Beverages, Bakery and Snacks Food Tech.	
	b. Dairy Technology	
	c. Food Engineering	
	d. Nutrition & Dietetics	
FS. 515	Practical related to all theory	4
	<b>Total</b>	<b>20</b>

FOURTH SEMESTER		
Course No.	Title	Credit Hour
FS. 521	Entrepreneurship Development Proposal	2
FS. 522	Final Project Report	14
FS. 523	Seminar-I	2
FS. 524	Industrial Tour Report	2
	<b>Total</b>	<b>20</b>

**6. Name of the Course Coordinator:** Prof. Binata Nayak **Mob.No.** 9439896178,  
7978477327  
**Email id:** [cordcfst@suniv.ac.in](mailto:cordcfst@suniv.ac.in)

### 7. COURSE FACULTY:

#### (A) Core Faculty

1. Dr. A. Priyadarshini
2. Dr. Shweta Parida
3. Mr. Saloman Behera

#### Specialization

Food Science & Technology  
Food Technology/ Food Chemistry  
Microbiology & Fermentation Technology

#### (B) Guest Faculty

##### Department of Chemistry

1. Dr. S.N. Sahu
2. Dr. A.K. Behera

#### Specialization

Organic Chemistry  
Organic Synthesis

##### Department of Business Administration

1. Dr. S.K. Sahoo

#### Specialization

Management

#### Guest Faculty

1. Dr. Prakash Kumar Nayak     Assistant Prof., CIT, Assam.
2. Dr. Kalpana Rayaguru       Associate Prof., CAET,OUAT, BBSR.
3. Dr. K.C. Yadav                 Assistant Prof., VSAET, SHIATS, Allahabad. U.P.

\* Guest Faculty/Resource Persons from other Departments/ University/ Institutes will be invited from time to time to cover the courses as per the requirement.

**8. INFRASTRUCTURE AVAILABLE:** P.G Department of Food Science Technology and Nutrition has been established by the University to offer courses on Food Science and Technology and to carry out research in areas of Food Science, Food Technology, Food Processing and Nutrition.

**Major Equipments Available:** The laboratories are well equipped with sophisticated equipments like UV- Visible spectrophotometer, Ultrasonicator, Millipore water purification system, laminar air flow, Packaging machine, Vacuum rotary evaporator, Hot air oven, Bacteriological Incubator, Freeze Drier, Vacuum concentrator, Centrifuge, Melting Point Apparatus, Muuffle Furnace, Flame photometer, Colour flex, Cooling centrifuge, Orbital shaking Incubator, TLC assembly, Electrophoresis, Deep freeze, Autoclave, Projection microscope, Texture analyzer, Gas Chromatography, Canning unit, Emulsifying machine, Humidity convection oven, Refractometer, Package testing machine etc.

**9. TRAINING AND PLACEMENT:** Till now department has recommended students for hands on training in both on-campus and off-campus institutions. 55 no's of students have already completed their M.Sc. Research Projects from reputed institutions like CFTRI, Mysore, IICPT, Tanjur, CRRI, Cuttack, RMRC-CSIR and various Hospitals of Odisha and West Bengal. About 80% of the students passed from the department got placed in different industries. The Department is expecting to excel in training. The Department is expecting to excel in training and placement in future.

## **F. M.Sc. Bioinformatics (Self-financing)**

### **P.G. DEPARTMENT OF BIOTECHNOLOGY & BIOINFORMATICS**

**SPECIAL FEATURE OF THE COURSE:** One of the daunting challenges facing Biology and consequently multidisciplinary research in Computer Science is to assign biochemical and cellular functions to the thousands of hitherto uncharacterized gene products discovered by several gene-sequencing projects. Bioinformatics offers the promise of precise, objective and accurate *in-silico* analysis of this emerging data using knowledge discovery routines that reveal embedded patterns, trends and anomalies in order to create models for faster and more accurate physiological discovery. Bioinformatics market has been growing at a remarkably high rate worldwide, further fueling the demand for educational programs specifically directed towards this discipline.

**CAREER PROSPECT:** After completion of the course the students may have opportunity to join (a) Biotechnology Industry, (b) Pharmaceutical Industry, (c) Bioinformatics Industry, (d) IT Industry or (d) Higher studies with CSIR-JRF, DBT-JRF, ICMR-JRF, ARS, GATE, BINC fellowship.

**1. ELIGIBILITY CRITERIA:** Any science graduate such as Biological sciences with allied subjects, Physical, Engineering and Medical Sciences or other professional courses with at least 45% of marks in aggregate. Minimum qualification marks of 45% shall not be insisted for SC & ST candidates. The students who have appeared CPET Exam in any Science Stream shall also be eligible for admission against the vacant seat, if available.

#### **2. SELECTION CRITERIA:**

Career: 30%, Written test: 70%

##### **(a) Category-I (Science Graduate)**

H.S.C.E.	1 <sup>st</sup> Div. -6	2 <sup>nd</sup> Div. - 4.5	3 <sup>rd</sup> Div./Pass-3
+2	1 <sup>st</sup> Div. -9	2 <sup>nd</sup> Div. - 7	3 <sup>rd</sup> Div./Pass-5

**+3(Honours):**  $\frac{\text{Marks secured in Honours Subject}}{\text{Maximum Marks in Honours Subject}} \times 15$

Maximum Marks in Honours Subject

**+3(Pass) :**  $\frac{\text{Aggregate Marks secured}}{\text{Maximum Marks}} \times 12$

Maximum Marks

##### **(b) Category-II (Other than Science Graduate)**

H.S.C.E.	1 <sup>st</sup> Div. -6	2 <sup>nd</sup> Div. - 4.5	3 <sup>rd</sup> Div./Pass-3
+2	1 <sup>st</sup> Div. -9	2 <sup>nd</sup> Div. - 7	3 <sup>rd</sup> Div./Pass-5

##### **Graduation (Marks secured in percentage)**

“Total Marks Secured/Maximum Marks X 100”

75% and above = 15

60% and above but less than 75% = 12

45% and above but less than 60% = 10

All other eligible candidates = 08

**3. DURATION OF THE COURSE:** 2 Years

**4. NUMBER OF SEATS:** 16 (minimum number to run the programme is 08)

**5. COURSE STRUCTURE: (Likely to be revised from the Academic Session 2022-23)****SEMESTER-I**

Course Code	Course Name	Credits hours	Marks
BI-411	(A) Physical Sciences (B) Foundation Biology	3	50
BI-412	Chemistry of Biomolecules	3	50
BI-413	Genetics	3	50
BI-414	Microbiology	3	50
BI-415	Molecular Biology- I	3	50
BI-416	Concepts in Computing	3	50
BI-417	Practical (Genetics and Microbiology)	2	50
BI-418	Practical (Biochemistry)	2	50
Optional (Any one)	Add on non credit course: (A) Communication Skill (B) Leadership and Personal Development	3	50

**SEMESTER-II**

Course Code	Course Name	Credit hours	Marks
BI-421	Probability and Biostatistics	3	50
BI-422	Bioenergetics and Metabolism	3	50
BI-423	Immunology	3	50
BI-424	Molecular Biology- II	3	50
BI-425	Bioinformatics Resources	3	50
BI-426	Python and R Programming	3	50
BI-427	Practical (Immunology and Molecular Biology)	2	50
BI-428	Practical (Bioinformatics Resources & Programming)	2	50

**SEMESTER-III**

Course Code	Course Name	Credit hours	Marks
BI-531	Recombinant DNA Technology	3	50
BI-532	Computational Biology	3	50
BI-533	Molecular Modeling and Simulation	3	50
BI-534	Database Management System	3	50
BI-535	Data Warehouse and Data Mining	3	50
BI-536	Computer Aided Drug Design	3	50
BI-537	Practical (DBMS, Data Warehouse and Data Mining)	2	50
BI-538	Practical (Molecular Modeling and Computer Aided Drug Design)	2	50
Optional (Any one)	Add on non credit course: A. Entrepreneurship Development B. Soft Skill and IT Skill		

**SEMESTER-IV**

Course Code	And Course Name	Credit hours	Marks
BI-541	Genomics, Proteomics and Metabolomics	3	50
BI-542	Computational Genomics and Proteomics	3	50
BI-543	(A) System Biology	3	50
(Elective Paper (Any One))	(B) Clinical Data Warehouse and Data Mining		
	(C) NGS and Microarray Data Analysis		
BI-544	Seminar	3	50
BI-545	Project work and Viva voce	(9+3)	200
<b>Total Course Credit</b>		<b>90 CH</b>	<b>1600</b>

**6. COURSE COORDINATOR:** Prof. P.K. Naik (Mobile No.: 09749268802)

**7. COURSE FACULTY:**

**Core Faculty:**

<b>Name of the faculty</b>	<b>Area of specialization</b>
1. Dr. P. K. Naik, Professor	Molecular Biology, Bioinformatics, Drug Development
2. Dr. A. K. Patel, Reader	Microbiology, Industrial Biotechnology, Bioprocess Engg.
3. Dr. S. Pattnaik, Asst. Prof.	Microbiology, Medical and Pharmaceutical Biotechnology
4. Dr. B. P. Bag, Asst. Prof.	Bioinformatics
5. Dr. B. Behera, Asst. Prof.	Animal Biotechnology, Biochemistry

Besides, the guest faculties from other Universities, Research Institutes across India having expertise in different fields of biotechnology are invited to impart quality teaching at par.

**TEACHERS  
OF THE  
P.G. DEPARTMENTS**



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## TEACHERS OF THE P.G. DEPARTMENTS SAMBALPUR UNIVERSITY

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 Dr. S.C. Murmu, M.A., M.Phil., Ph.D.  
 Dr.(Ms.) R. Pramanik, M.A., M.Phil., Ph.D.

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 Asst. Professor (on lien)  
 Asst. Professor

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 D.Sc.(Management)  
 Prof. A.K. Das Mohapatra, M.Com,M.Phil,LL.B,  
 Ph.D.,FDPM(IIM-A), D.Litt( Management)  
 Prof. P.C. Tripathy, M.Com.,M.Phil, M.B.A., Ph.D.  
 Prof. T.K. Das, M.A.,M.Phil, Ph.D.  
 Dr. D.K. Mahalik, B.E., M.B.A. , Ph.D.  
 Sri S. Kerketta, M.B.A.  
 Dr. A Samal, M.B.A., Ph.D.  
 Dr. S.K. Sahoo, M.B.A., Ph.D.  
 Dr. R.K. Mishra, M.A.(RM), M.B.A., Ph.D.

Professor  
 Professor (on lien)  
 Professor  
**Professor & Head**  
 Associate Professor  
 Asst. Professor  
 Asst. Professor  
 Asst. Professor  
 Asst. Professor

**BIOTECHNOLOGY & BIOINFORMATICS**

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 Dr. A.K. Patel, M.Sc., M.Phil., M.Tech., Ph.D.  
 Dr.(Mrs.) S. Pattnaik, M.Sc., Ph.D., D.Sc.  
 Dr. B. Behera, M.Sc., Ph.D.  
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 Associate Professor  
 Asst. Professor  
 Asst. Professor  
 Asst. Professor

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 Dr. P.K. Sahu, M.Tech., Ph.D.  
 Dr. R.N. Mahaling, M.Sc., M.Tech., Ph.D.  
 Dr. S.N. Sahu, M.Sc., M.Tech., Ph.D.  
 Dr. N.K. Behera, M.Sc., Ph.D.  
 Dr. H. Chakraborty, M.Sc., Ph.D.  
 Ms. L. Mirdha, M.Sc.

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 Associate Professor  
 Associate Professor  
**Reader & Head**  
 Reader  
 Asst. Professor  
 Asst. Professor  
 Asst. Professor (FRP-UGC)  
 Asst. Professor

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 Shri N. Bara, MCA  
 Shri A.K. Sahu, M.Sc. Comp. Sc., M.Tech. Comp. Sc.

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 Asst. Professor

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 Asst. Professor  
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**Head**

Coordinator

**DON'T 'RAG'**  
**ALSO**  
**DON'T BE A**  
**MUTE WITNESS TO 'RAGGING'**

**What is Ragging?**

Any act resulting in :

- \* Mental/Physical/Sexual abuse
- \* Verbal abuse
- \* Indecent behaviour
- \* Criminal intimidation/  
Wrongful restraint
- \* Undermining human dignity
- \* Financial exploitation/  
Extortion
- \* Use of force

Each of the above is a criminal offence

**A student indulging in ragging can be :**

- \* **Expelled from the institution**
- \* **Banned from the mess/hostel**
- \* **His/her scholarship can be withdrawn**
- \* **Debarred from examinations**
- \* **Denied admission to any institution**
- \* **Prosecuted for criminal action**
- \* **Institutions have been asked to file FIR with local police against those who RAG/ABET ragging.**

***RAGGING IN ANY FORM IS PUNISHABLE***