

**Savitribai Phule Pune University
(Formerly University of Pune)**

**Information to be published on the website
Admission 2018-2019**

1	Name of Department/ Centre:	<p>Bioinformatics Centre</p> <p>Background: Bioinformatics is a multidisciplinary area of science and has emerged as a prime area for research and development in both, industry as well as academia. Savitribai Phule Pune University (Formerly University of Pune) is a highly ranked University at national level and the Bioinformatics Centre of this University offers M.Sc. program in Bioinformatics to meet the requirement of trained human resource in industry, academic and research institutions. Bioinformaticians are in great demand worldwide. Students who get trained in bioinformatics and have sound knowledge of biology, medical science, pharmacy, agricultural or veterinary sciences as well as a background of physics, chemistry, mathematics and statistics can build a successful career through addressing biological research problems using bioinformatics. They can also contribute by developing new algorithms and tools in bioinformatics. Bioinformatics is being utilized for knowledge discovery in a multitude of areas such as medicine, drug and vaccine development, biodiversity, agro-biotechnology, environmental biotechnology, forensics etc.</p> <p>About the Centre: Bioinformatics Centre at the Savitribai Phule Pune University (Formerly University of Pune) was established in 1987, under the BTIS Network project of Department of Biotechnology, Govt. of India, to carry out research activities in various areas of bioinformatics. It is one of the pioneering centers for Bioinformatics research and education in the world, with highly competent faculty, state-of-the-art computing facilities and a rich library. Several algorithms, databases, and web-servers have been developed by faculty members at the Centre. The major research areas where the Centre has made significant contributions include immunoinformatics, genomics, phylogenomics, viral comparative genomics, protein structural bioinformatics, metabolic pathway engineering, chemoinformatics, Big Data analytics, therapeutics and drug design. The Centre was among the first four Centres of BTIS Network to launch formal education, i.e. one-year post-graduate Advanced Diploma in Bioinformatics (ADB) in India in 1997. Five years later, the Centre launched the first-ever four-semester M.Sc. course in Bioinformatics in the country. The Centre has also conducted several national and international workshops and training programmes since its inception. The Centre has been recognized as a Centre of Excellence by the Department of Biotechnology (DBT) and Department of Electronics and Information Technology (DeITY), Government of India.</p>
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		<p>The Centre has highly qualified faculty members. Scientists with domain expertise in various areas, from reputed national institutes and other departments of the Savitribai Phule Pune University, also contribute to teaching activities of the M. Sc. Bioinformatics program. The Centre also has capable & qualified technical and support staff. The Centre has excellent computing facilities, Internet connectivity and access to a large number of biological databases and software tools. The library in the centre has a very good collection of books, reference material and journals, both in print and electronic forms. The total infrastructure and facilities available at the Centre are comparable to the best in the world. The students trained in the Centre have maintained a very good success record in various national level examinations such as BINC, CSIR-UGC NET, BET, etc. and also find placement in Industries. The Bioinformatics Centre has very good interaction with industry and carries an enviable record of its students being absorbed by industry and R & D institutions in India and abroad. Some of the students have turned out to be successful entrepreneurs and produced well-established profit making ventures in a short span of time. For additional information please visit http://bioinfo.net.in.</p>			
2	Courses offered:				
	a.	Name of the course/s:	M.Sc. (Bioinformatics)		
	b.	Duration of course/s:	Course	Duration in years	
			M.Sc. (Bioinformatics)	Two years	
	c.	Application fee:	Course	Open Category and Outside the State of Maharashtra (in Rs.)	Reserved Category (in Rs.)
			M.Sc. (Bioinformatics)	500/-	350/-
			(As per Circular issued by the Department of Finance and Accounts of the University vide Finance/2013-14/2132, dated 13 th March, 2014)		
d.	Course fee:	Course	Fee		
		M.Sc. Bioinformatics	For Candidates having domicile of Maharashtra state	Rs.30,944/-per year + Rs.1,000/- towards Library Deposit + Rs. 1,000/- towards Laboratory deposit + Rs.500 towards Caution Money.*	
			For Candidates having domicile from outside of Maharashtra state	Rs.60,944/- per year + Rs.1,000/- towards Library Deposit + Rs. 1,000/- towards Laboratory deposits + Rs.500 towards Caution Money.*	
			* The said fees are as charged for the academic year 2017-2018 and may be revised and charged differently depending on the University Policy for academic year 2018-2019.		

e	Syllabus of the course/s:	Outline of the course is available on the website of the Bioinformatics Centre http://bioinfo.net.in/courses/IndexMSC.html			
f	Eligibility:	Course	Qualifying Examination and Eligibility	Minimum Percentage / Grade required	
				Open Category	Reserved category applicants from Maharashtra
		M. Sc. Bioinformatics	B.Sc. B.Sc. (Agri.) B.C.S. B.E. B. Tech. M.B.B.S. B. Pharm B.A.M.S. B.H.M.S. B.V. Sc.	First class with minimum 60% marks or Grade A with a minimum CGPA of 6.0 on the scale of 0-10 [£]	Second class with minimum 55% marks or Grade B with a minimum CGPA of 5.5 on the scale of 0-10 [£]
£: The minimum percentage required as indicated for respective category should be clearly evident from mark-sheet. In case of any ambiguities an equivalence certificate/ letter from competent authority of the concerned College / Institute / University will be required.					

g	Required documents:	<p>Attested/ True/ Verified copies of</p> <ol style="list-style-type: none"> 1. Statement of marks of every year/semester of the qualifying examination. Candidates appearing should submit the latest statement of marks. 2. Transference/Leaving certificate from the educational institution previously attended [in case of candidates passing the qualifying examination from Savitribai Phule Pune University (<i>Formerly University of Pune</i>)]. This requirement is applicable to candidates who have passed qualifying examination on or before June 30, 2017. Candidates who are appearing for the qualifying examination in the current academic year are NOT required to submit this document along with the application form. They will have to submit the same at the time of admission, if selected. 3. Migration certificate from the University previously attended [in case of candidates passing qualifying examination from Universities other than Savitribai Phule Pune University (Formerly University of Pune)]. This requirement is applicable to candidates who have passed qualifying examination on or before June 30, 2017. Candidates who are appearing for the qualifying examination in the current year are NOT required to submit this document along with the application form. They will have to submit the same at the time of admission, if selected. 4. Caste Certificate from the competent authority (applicable to candidates belonging to reserved categories of Maharashtra state only). 5. Special Backward Class (S.B.C.) candidates having original category Other Backward Class (O.B.C.) will be considered at par with O.B.C. candidates, subject to submission of authentic proof of having original category Other Backward Class. (Candidates are requested to refer the G.R. of Govt. of Maharashtra, Higher and Technical Education Dept. No. TEM/3397/12926/(9086)/TE-1, dated 11th July, 1997) 6. Recent Non-creamy layer certificate (Valid up to March 31, 2018) along with the caste certificate if candidate belongs to D.T.-A, N.T.-B, N.T.-C, N.T.-D, O.B.C. and S.B.C. categories of Maharashtra. Non-creamy Layer Certificate should be in accordance with the G.R. released from time to time by the Govt. of Maharashtra. 7. Recent caste validity certificate from the competent authority if the candidate belongs to ST category (applicable to Maharashtra candidates only). 8. Birth Certificate/ School Leaving Certificate. 9. Certificate from a competent authority (District Civil Surgeon) showing minimum 40% physical disability for candidates having physical disability and applying under “Person with Disabilities” category. 10. Defense Personnel/Ex-Serviceman Certificate from competent authority/ Zilla Sainik Welfare Board/ Discharge Certificate from Officer Commanding the Regiment or Serviceman Certificate from the competent authority.
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h.	Number of Seats available:	Course	No. of Seats
		M. Sc. Bioinformatics	30 (Thirty)

3.	Fellowships:	M. Sc. Bioinformatics	The top ten (10) students admitted to the M.Sc. Bioinformatics course are awarded the D.B.T. fellowships of Rs.2,000/- each per month. The number and quantum of the fellowships will depend on availability of funds. The initial award (Semester I) of the scholarship/studentship would be based on the performance by the candidate in the entrance test and its continuance would be based on the academic performance of the students in the subsequent semesters.																		
4.	Legal Reservations: (applicable to reserved categories from Maharashtra only)	<table border="1"> <thead> <tr> <th data-bbox="743 504 1189 611">Category</th> <th data-bbox="1189 504 2085 611">Reservation Percentage (percent of total intake capacity)</th> </tr> </thead> <tbody> <tr> <td data-bbox="743 611 1189 659">S.C.</td> <td data-bbox="1189 611 2085 659">13%</td> </tr> <tr> <td data-bbox="743 659 1189 707">S.T.</td> <td data-bbox="1189 659 2085 707">07%</td> </tr> <tr> <td data-bbox="743 707 1189 754">D.T.(A)</td> <td data-bbox="1189 707 2085 754">03%</td> </tr> <tr> <td data-bbox="743 754 1189 802">N.T. (B)</td> <td data-bbox="1189 754 2085 802">2.5%</td> </tr> <tr> <td data-bbox="743 802 1189 850">N.T. (C)</td> <td data-bbox="1189 802 2085 850">3.5%</td> </tr> <tr> <td data-bbox="743 850 1189 898">N.T. (D)</td> <td data-bbox="1189 850 2085 898">02%</td> </tr> <tr> <td data-bbox="743 898 1189 946">O.B.C.</td> <td data-bbox="1189 898 2085 946">19%</td> </tr> <tr> <td data-bbox="743 946 1189 995">S.B.C.</td> <td data-bbox="1189 946 2085 995">As per the rules of Govt. of Maharashtra</td> </tr> </tbody> </table>	Category	Reservation Percentage (percent of total intake capacity)	S.C.	13%	S.T.	07%	D.T.(A)	03%	N.T. (B)	2.5%	N.T. (C)	3.5%	N.T. (D)	02%	O.B.C.	19%	S.B.C.	As per the rules of Govt. of Maharashtra	
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5.	Social Reservations:	<p>3% seats are reserved for Persons with Disabilities (Physically handicapped candidates).[#] 5% seats are reserved for Defense Personnel's child/Ex-serviceman's Child.[#] 30% Seats are reserved for female candidates for graduate courses.[#] (#: Percent of total intake capacity)</p>																			
		One Migrant student from Jammu and Kashmir per course, over and above the sanctioned intake capacity shall be admitted as per merit in the entrance test.																			

6.	Date of Entrance Test:	June 13, 2018 (Wednesday)
a.	Examination Centre:	Bioinformatics Centre, Savitribai Phule Pune University (Formerly University of Pune), Pune 411007. (Nearby Landmarks: Department of Management Science-PUMBA & National Center for Cell Sciences - NCCS)
b.	Model of question Paper:	<p>M. Sc. Bioinformatics</p> <hr/> <p>Nature of Questions: Objective type, Multiple Choice Questions</p> <hr/> <p>Number and names of sections in Question paper:</p> <p>The entrance test will consist of ONE paper having TWO sections. Total Duration: 120 Minutes (2 hours)</p> <p>Section I: Will consist of 30 multiple choice questions (MCQ) covering numerical ability, verbal and nonverbal reasoning and English. All questions in this section will be compulsory.</p> <p>Section II: Will consist of 5 subsections for the subjects as listed below: II-A: Life Sciences II-B: Chemistry II-C: Physics II-D: Mathematics & Statistics II-E: Computer Science</p> <p>Each candidate is expected to attempt a total of 70 questions in Section II. For this, he/she would choose any one of the subsections (as listed above) and attempt 50 questions from this chosen subsection. Additionally, the candidate would attempt any 5 questions from each of the remaining 4 subsections. (For example, a candidate may choose to attempt 50 questions from subsection II-C, and attempt 5 questions each from subsections II-A, II-B, II-D & II-E).</p> <p>All the questions in section II will be multiple choice questions (MCQ). These questions will be based on the syllabi of bachelor's degree level courses of Savitribai Phule Pune University (formerly University of Pune).</p> <p>Points to note:</p> <ol style="list-style-type: none"> 1. The language of the examination will be English only. 2. Candidates are expected to bring a ball point pen, HB pencil, sharpener and eraser for the examination.

		<p>Section wise weightage of marks: Section I: 30% & Section II: 70%</p>
		<p>Number of Questions: Section I: 30 questions (All questions are compulsory) Section II: As mentioned above in item 6b.</p>
		<p>Marks per question: 1 for correct answer -0.25 for wrong answer (negative marking)</p>
		<p>Total Marks: 100 (Section I: 30 & Section II: 70)</p>
		<p>Passing Criteria: As per University guidelines</p>
		<p>Negative marking: Yes. Negative marking is applied in both the sections I & II, wherein 0.25 mark is deducted for every incorrect answer.</p>
7.	Merit List / Admission Rules:	<p>Admissions will be done as per University Ordinance 181-A Circular No. 68/2014, dated 27/03/2014.</p> <p>Only reserved category candidates from the State of Maharashtra (having Domicile of Maharashtra) are eligible for the 50% reserved seats. (Please see item 4 above).</p> <p>S.C., S.T., D.T., N.T., O.B.C. and S.B.C. applicants with domicile from outside of Maharashtra state will be considered for admission only in the OPEN category.</p> <p>Selection of candidates for admissions is based on total marks secured in the entrance test only.</p> <p>In case two applicants secure the same number of total marks in the entrance test, their performance in the qualifying examination will be taken into account in the preparation of merit list.</p>
8.	Important Dates:	

a.	Start date of online application:	April 16, 2018 (Monday) (Tentative)
b.	End date of Online application:	June 1, 2018 (Friday)
c.	Last date of submission of application form (Hard copy):	June 8, 2018 (Friday)
d.	Date of Entrance Test:	June 13, 2018 (Wednesday)
e.	Time of Entrance Test:	11.00 A.M. to 02.00 P.M.
f.	Date of declaration of results of the Entrance test:	June 18, 2018 (Monday) (Tentative)
g.	Date of Group Discussion /Personal Interview :	Not Applicable
h.	Date of publication of merit list:	June 25, 2018 (Monday) [§] §: Subject to declaration of B.Sc. results of Savitribai Phule Pune University (Formerly University of Pune)
i.	Date of publication of successive merit list	July 2, 2018 (Monday) [§] §: Subject to declaration of B.Sc. results of Savitribai Phule Pune University (Formerly University of Pune)
j.	Date of admissions	June 26, 2018 onwards
k.	Date of Commencement of the course	July 16, 2018 (Monday) (Tentative)

Instruction: There is a possibility of changes in the time and dates in the above items, 8(e) to 8(k). Any change in time and dates mentioned above will be notified on the website of the University i.e. <http://www.unipune.ac.in> and also on the website of Bioinformatics Centre i.e. <http://bioinfo.net.in>

9.	Centre Contact Information	For any information on the nature, scope and prospects of the course, candidates should log on into the website of the Bioinformatics Centre (http://bioinfo.net.in). No direct queries/ phone calls on the pattern of the question paper will be entertained.
	a. Name of the contact person:	Dr. Manali Joshi , Ms. Smita Saxena (Coordinators, Entrance Examination 2018-19)
	b. Designation:	Assistant Professors
	c. Contact timings:	11:00 A.M. - 5.00 P.M.
	d. Telephone Number/s:	+91-20-2569 0195 +91-20-2569 2039
	e. e-mail ID :	entrance2018@bioinfo.net.in
	f. Address:	Bioinformatics Centre, Savitribai Phule Pune University (Formerly University of Pune) Ganeshkhind, Pune - 411007, India.