

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

**Information to be published on the website
Admission 2016-2017**

1	Name of Department/ Centre:	<p>Bioinformatics Centre</p> <p>About the Centre: Bioinformatics is a multidisciplinary area that is growing very fast both at the level of industry as well as academics. Savitribai Phule Pune University (Formerly University of Pune) is a premier institute which state of art offers M.Sc. program in Bioinformatics to meet the manpower requirement of industry as well as research institutes. Bioinformaticians are in great demand worldwide. Students with physics, chemistry, mathematics and statistics background with sound knowledge of biology can help in developing new algorithms and tools of Bioinformatics. Those with background in biological, medical, agricultural and veterinary sciences can use Bioinformatics tools to extract useful knowledge in the areas of biodiversity, drug and vaccine development, agro-biotechnology, environmental biotechnology etc. Bioinformatics Centre of the University of Pune is one of the leading centers of Bioinformatics research and education in the world with highly competent faculty, state-of-the-art computing facilities and user-friendly library. Fellowships are awarded to about 40-50% students for proven academic performance on a semester-to-semester basis. For additional information please visit http://bioinfo.net.in</p> <p>Background: Bioinformatics Centre at the Savitribai Phule Pune University (Formerly University of Pune) was established in 1987 to carry out research activities in various areas of Bioinformatics. The Centre had developed the web-based Animal Virus Information System (AVIS) database and necessary software tools very early to extract knowledge from these and other similar databases and continues to develop newer resources in the term of databases and servers. Research in the areas of immunoinformatics development of phylogeny-based methods, prepare vaccine against JE, viral comparative genomics, protein structural bioinformatics, and metabolic pathways engineering, chemo informatics, BIG data analysis, therapeutics and drug design etc. are currently being carried out. In 1997 the Centre launched a one-year Advanced Diploma training program in Bioinformatics (ADB) for postgraduate students from diverse disciplines. Five years later, the Centre launched the first-ever four-semester M.Sc. course in Bioinformatics in the country. The Centre has conducted several national and international workshops and training programmes since its inception.</p>
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		<p>The Centre has highly qualified faculty members. Scientists with domain expertise in various areas, who come from reputed national institutes and other departments of the University of Pune, also contribute to the teaching activities of the M. Sc. Bioinformatics program. The Centre also has highly capable qualified technical and support staff. The Centre is known for its excellent computing facilities, Internet connectivity, large number of biological databases and software tools. The library in the centre has a very good collection of textbooks, reference material and journals, both printed and electronic form. 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 rate in various national level qualifying 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 envious 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.</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/-	300/-
			(As per Circular of Department of Finance and Accounts of the University bearing Out. No. – Finance/2013-14/2132, dated 13 th March, 2014)		
d.	Course fee:	Course	Fee		
		M.Sc. Bioinformatics	For Candidates Domicile in Maharashtra State	Rs.30,365/- per year + Rs.500/- towards Library Deposit + Rs. 1,000/- towards Laboratory deposits + Rs.500 towards Caution Money.*	
			For Candidates from outside Maharashtra State	Rs.59,865/- per year + Rs.500/- towards Library Deposit + Rs. 1,000/- towards Laboratory deposits + Rs.500 towards Caution Money.*	
* The said fees are as charged for the academic year 2015-2016. The said fees can be revised and can be charged differently following University Policy for current academic year.					

e	Syllabus of the course/s:	Outline of the course is available on the website of the Bioinformatics Centre (http://bioinfo.net.in) and Savitribai Phule Pune University (Formerly University of Pune) web link - (http://unipune.ac.in/snc/bioinformatics_centre/bioinfo_webfiles/syllabus.htm)			
f	Eligibility:	Course	Qualifying Examination and Eligibility	Minimum Percentage 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 in the scale of 0-10	Second class with minimum 55% marks or Grade – B with a minimum CGPA of 5.5

g	Required documents:	Attested/True/Verified copies of – <ol style="list-style-type: none"> 1. Statement of marks of every year/semester of the qualifying examination. Appearing candidates 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 (Formerly University of Pune)]. Applicable to candidates who have passed qualifying examination on or before June 2014. Candidates who are appearing for the qualifying examination in the current academic year are NOT required to submit this document along with this form. 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)]. Applicable to candidates who have passed qualifying exam. On or before June 2015. Candidates who are appearing for the qualifying examination in the current year are NOT required to submit this along with the application. 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 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 31st March, 2017) along with the cast 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 cast validity certificate from the competent authority if 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. Defence 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	Seats
		M.Sc. Bioinformatics	30 (Thirty)

3.	Fellowships:	M.Sc. Bioinformatics	The top fifteen (5+10) students admitted to the M.Sc. Bioinformatics course are awarded the IGIB-GN Ramachandran & D.B.T. fellowships of Rs.2,000/- each per month. The number and quantum of the studentships will depend on availability of funds. The initial award of the scholarship/studentship and its continuance would be based on the decision of an interviewing committee and performance by the candidate in the entrance test/internal assessment tests/semester examination etc.																		
4.	Legal Reservations: (applicable to reserved categories from Maharashtra only)	<table border="1"> <thead> <tr> <th data-bbox="743 504 1189 592">Category</th> <th data-bbox="1189 504 2080 592">Reservation Percentage</th> </tr> </thead> <tbody> <tr> <td data-bbox="743 592 1189 643">S.C.</td> <td data-bbox="1189 592 2080 643">13%</td> </tr> <tr> <td data-bbox="743 643 1189 694">S.T.</td> <td data-bbox="1189 643 2080 694">07%</td> </tr> <tr> <td data-bbox="743 694 1189 745">D.T.(A)</td> <td data-bbox="1189 694 2080 745">03%</td> </tr> <tr> <td data-bbox="743 745 1189 796">N.T. (B)</td> <td data-bbox="1189 745 2080 796">2.5%</td> </tr> <tr> <td data-bbox="743 796 1189 847">N.T. (C)</td> <td data-bbox="1189 796 2080 847">3.5%</td> </tr> <tr> <td data-bbox="743 847 1189 898">N.T. (D)</td> <td data-bbox="1189 847 2080 898">02%</td> </tr> <tr> <td data-bbox="743 898 1189 949">O.B.C.</td> <td data-bbox="1189 898 2080 949">19%</td> </tr> <tr> <td data-bbox="743 949 1189 976">S.B.C.</td> <td data-bbox="1189 949 2080 976">(As per Govt. of Maharashtra rule.)</td> </tr> </tbody> </table>	Category	Reservation Percentage	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 Govt. of Maharashtra rule.)	
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5.	Social Reservations:	<p>3% seats are reserved for Persons with Disabilities (Physically handicapped candidates).</p> <p>5% seats are reserved for Defence Personnel's child/Ex-serviceman's Child.</p> <p>30% Seats are reserved for female Candidates for graduate Courses.</p>																			
		One Migrant students from Jammu and Kashmir, per course over and above the sanctioned intake capacity will be admitted as per the merit in the entrance test.																			

6.	Date of Entrance Test:	06 th June, 2016 (Monday)
	a. Examination Centre :	Department of Management Sciences, Behind University Press, Savitribai Phule Pune University (Formerly University of Pune), Pune 411 007.
	b. Model of question Paper	<p>M.Sc. Bioinformatics</p> <hr/> <p>Nature of Questions – Objectives</p> <hr/> <p>Number and names of sections in Question paper:</p> <p>The test will consist of two papers, Paper I and Paper II.</p> <p>Paper I - 90 minutes duration will be of objective type, consisting of 100 multiple choice questions covering Physics, Chemistry, Botany, Zoology, Mathematics, Statistics, Logic, Reasoning and English. The level of questions will be equivalent to (10+2) knowledge. All questions will be compulsory.</p> <p>Paper II - 90 minutes duration will also be of objective type, consisting of 100 multiple choice questions based on syllabi of bachelor's degree level courses as listed below.</p> <p>Paper II will be covering areas of Life Sciences (Botany, Microbiology, Biochemistry, Zoology, Cell Biology, Genetics, Environmental Biology, Evolution, Molecular Biology etc.) and areas of Physical and Mathematical Sciences (Physics, Chemistry, Mathematics, Statistics and Computer Science). All questions will be compulsory.</p> <p>Points to note:</p> <ol style="list-style-type: none"> 1. The language of the examination will be only English. 2. Candidates are expected to bring a ball point pen, HB pencil, sharpener and eraser for the examination.

		<p>Section wise weightage of marks: Not applicable</p>
		<p>Number of Questions: Paper I – 100. All questions are compulsory. Paper II – 100. All questions are compulsory.</p>
		<p>Marks per question : Paper I : 1 Paper II : 1</p>
		<p>Total Marks : 200 (Paper I : 100 + Paper II : 100)</p>
		<p>Passing Criteria : Not applicable</p>
		<p>Negative marking: Yes. Negative marking is applied in both, Paper I & II, wherein 1 mark is deducted for every 4 incorrect answers.</p>
7.	Merit List / Admission Rules:	<p>Admission should be done as per University Ordinance 181-A Circular No. 68/2014, dated 27/03/2014 or Ordinance provided by the University as guidelines for admission in academic year 2015-2016.</p> <p>Only reserved category candidates from the State of Maharashtra (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., S.B.C. applicants from outside Maharashtra State will be considered for admission only in the Open category.</p> <p>Selection is based on total marks secured in Paper I and II together 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:	18 th April, 2016 (Monday) (Tentative)
b.	End date of Online application:	23 th May, 2016 (Tuesday)
c.	Last date of submission of application form (Hard copy) :	30 th May, 2016 (Monday)
d.	Date of Entrance Test:	06 th June, 2016 (Monday)
e.	Time of Entrance Test:	Paper I – 10.00 A.M to 11.30 A.M. Paper II – 11.45 A.M. to 01.15 P.M. Candidates are not allowed to leave the examination hall during the interval between Paper I & II.
f.	Date of declaration of result of the Entrance test:	11 th June, 2016 (Saturday) (Tentative)
g.	Date of Group Discussion /Personal Interview :	Not Applicable.
h.	Date of publication of merit list :	20 th June, 2016 (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	List of selected candidates/General Merit list will be published on 24 th June, 2016 (Friday)* *Subject to declaration of B.Sc. results of Savitribai Phule Pune University (Formerly University of Pune)
j.	Date of admission	04 th July, 2016 to 09 th July, 2016
k.	Date of Commencement of the course	11 th July, 2016 (Monday) (Tentative)

Instruction: There is possibility of changing the time and dates in the above columns [Columns 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. Vijay B. Baladhye
	b. Designation:	Assistant Professor
	c. Contact timings:	11:00 a.m. - 5.00 p.m.
	d. Telephone Number/s:	+91-20-2569 0195 +91-20-2569 2039 +91-20-2569 0087 (Fax)
	e. e-mail ID :	entrance2016@bioinfo.net.in
	f. Address:	Bioinformatics Centre, Savitribai Phule Pune University (Formerly University of Pune) Ganeshkhind, Pune - 411 007, India.