

PONDICHERY UNIVERSITY

PROFILE OF THE DEPARTMENT

(FOR REACCREDITATION PURPOSE OF NAAC)

(Wherever applicable select the closest option and strike out the others which are not applicable.

If something is Not Applicable write NA. Please use Separate Sheets wherever necessary)

(Information shall be given for the period from July 2004 to June 2009)

GENERAL INFORMATION

1. Name of the Department		Centre for Bioinformatics									
2. Location of Institution		Pondicherry									
3. Name and Address of Institution		Centre for Bioinformatics Pondicherry University R.Venkataraman Nagar Kapalet Pondicherry – 605 014.									
Web/URL Home page		www.bicpu.edu.in									
Email		contact@bicpu.edu.in									
4. Year (Date if available) of Establishment		1991									
5. Built-up Area in Sq. Ft.											
6. Institutional Autonomy		Central University									
7. Total Student Strength of the Department (2009)		58									
8. Programs Offered: M.Sc. BIOINFORMATICS											
8.(i) Post-Graduate: (Please specify courses. If necessary use additional sheets)											
Total Intake	Total Student Strength		Students from Pondicherry University		Students from Other Universities		Students from Other States		NRI Students		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
31	19	12	1	5	18	7	18	7	NIL	NIL	
8.(ii) Ph.D.: (Please specify subjects. If necessary use additional sheets)											
Total Intake	Total Student Strength		Students from Pondicherry University		Students from Other Universities		Students from Other States		NRI Students		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
5	4	1	1	1	-	-	3	-	-	-	
9. Number of Permanent Teaching Faculty						Male: 2		Female: 2		Total: 4	
10. Number of Teaching Posts Sanctioned						Professor: 1		Reader: 3		Lecturer: 1	
						Others (Please specify):		Lab. Assistant:			
11. Number of Teaching Posts Occupied						Professor: Nil		Reader: Nil		Lecturer: 4 + 1 (contract)	
						Others (Please specify):					

12. List of Technical Staff:							
Sl. No.	Name	Sex	Date of Birth	Date of Super-annuation	Technical	Designation	Highest Qualification
1.	M. Sundaramohan	M	17.01.69	17.01.2029	Technical	Information Officer	B.E
	E. Malanco	M	27.08.87	27.08.2047	Technical	Sr. Tech. Asst.	B.Tech
	P. Elavarasan	M	27.03.81	27.03.2041	Technical	Sr. Tech. Asst.	MBA
	S. Manikandan	M	20.03.86	20.03.2046	Technical	Sr. Tech. Asst.	B.E
	D. Venmathi	F	11.05.78	11.05.2038	Technical	Computer Asst.	MA
	N. Bhanumathi	F	07.09.72	07.09.2032	Technical	Data Entry Ope.	MA
13. Number of Administrative Staff				Clerical: Male: Female: Total:			
				Attenders: Male: 1 Female: Nil Total: 1			
				Peons: Male: Female: Total:			
14. Whether the Institution has been assessed and accredited by any Agency like NAAC/NBA/AICTE/DEC/etc.?				YES			
15. What are the admission policies in your institution? (Please strike out whichever is not applicable)							
(i) Admission based on Marks in Qualifying exam alone :							
(ii) Admission based on (i) and Entrance exam (University /State / National level):							
(iii) Admission based on (i) and / or (ii) and / or (iii) and / or Interview / Group Discussion:							
(iv) Counselling for students done before Admission:							
(v) Counselling for students done after Admission:							
(vi) Percentage of Reservations available for Admission under categories SC-2 + 1/ST-1+1/OBC /Sports-1/NRI-2/ Women / Category Percentage Internal students /Physically Challenged /Domicile of State / Other State students / Wards of employees, etc.							
(vii) Any others (please specify):							
16. Is there any review of the Admission Policy?				NO			
17. When was the Admission Policy reviewed of late?							
18. How are the courses / programmes advertised?				Through Website and Newspaper			
19. Number of Working days per semester?				102 days			
20. Number of Teaching days per semester?				86 days			
21. Are there any policy guidelines for curriculum revision?				Yes			
22. Is there any academic body for design and / or review of curriculum?				Yes			
23. When was the curriculum last revised?				2007			
24. Are the curricula revised for all programmes simultaneously or partially?							

25. Does the institution have credit transfer system?	
26. Methods of Instruction followed	
27. Exam. System followed	CBCS
28. Is there Internal Assessment? If yes, what percentage of the total is this and in what faculty?	Yes, 40%
29. Is there external valuation?	Yes
30. Has the institution introduced any innovations in exam?	
31. Are the exams held as per schedule? If not, give reasons.	Yes
32. Are the results declared as per schedule? If not, give reasons.	Yes
33. Grants received from various sources	1. DBT 2. UGC 3. DIT

34. Fee structure per annum:

		<u>I Semester Fees Structure</u>
Tuition Fee (24 credits x 100)	-	Rs. 2,400.00
Registration Fee	-	Rs. 100.00
Matriculation Fee	-	Rs. 50.00
Recognition Fee	-	Rs. 200.00
Identify Card Fee	-	Rs. 25.00
Sports Fee (p.a)	-	Rs. 100.00
Medical Examination Fee (p.a)	-	Rs. 50.00
Library Fund (p.s)	-	Rs. 250.00
Lab Fund (p.s)		
a. Computer Lab Fee	-	Rs. 1,250.00
b. Wet Lab Fee	-	Rs. 500.00
Internet Fund (p.s)	-	Rs. 100.00
Students Welfare Fund (p.a)	-	Rs. 100.00
Caution deposit (refundable)		
a. Library	-	Rs. 500.00
b. Computer Lab	-	Rs. 500.00
c. Wet Lab Fund	-	Rs. 500.00
Group Medical Insurance	-	Rs. 304.00
Academic Infrastructure Development Fund	-	Rs. 2,000.00
University Development Fund	-	Rs. 1,000.00
		Rs. 9,929.00

		<u>II SEMESTER</u>
Tuition Fee (24 credits x 100)	-	Rs. 2,400.00
Library Fund (p.s)	-	Rs. 250.00
Lab Fund (p.s)		
a. Computer Lab Fund	-	Rs. 1,250.00
b. Wet Lab Fund	-	Rs. 500.00
Internet Fund (p.s)	-	Rs. 100.00
		Rs. 4,500.00

		<u>III Semester Fees Structure</u>
Tuition Fee (19 credits x 100)	-	Rs. 1,900.00
Sports Fee (p.a)	-	Rs. 100.00
Medical Examination Fee (p.a)	-	Rs. 50.00
Library Fund (p.s)	-	Rs. 250.00
Lab Fund (p.s)		
a. Computer Lab Fund	-	Rs. 1,250.00
b. Wet Lab Fund	-	Rs. 500.00
Internet Fund (p.s)	-	Rs. 100.00
Students Welfare Fund (p.a)	-	Rs. 100.00
		Rs. 4,250.00

		<u>IV Semester Fees Structure</u>
Tuition Fee (9 credits x 100)	-	Rs. 900.00
Library Fund (p.s)	-	Rs. 250.00
Lab Fund (p.s)		
a. Computer Lab Fund	-	Rs. 1,250.00
b. Wet Lab Fund	-	Rs. 500.00
Internet Fund (p.s)	-	Rs. 100.00
Total	-	Rs. 3,000.00

GENERAL AND INFRASTRUCTURAL FACILITIES

35. Does the Institution have Dept. Libraries? Are these connected with the main Library?	Yes
36. Area of the Library in Sq. Ft.	
37. Number of Books in the Library Number of Text books in the Library Number of Reference books in Library Number of Audio cassettes Number of Video cassettes Number of CD ROMS	500
38. Number of Books purchased last year by Library	50
39. Is there a Computer Laboratory?	Yes
40. Area of the Computer Laboratory in Sq.Ft.	1600 sq.ft.
41. Number of Computers in the Institution	110
42. Number of Computers Available for use by Students	85
43. Number of Computers Available for Staff	25
44. Is the Administration of the Institution computerized?	Yes
45. Does the Institution have an Auditorium?	Yes
46. Does the Institution have Canteen facilities?	Yes
47. Does the Institution have a Student Centre?	Yes
48. Does the Institution have facilities for Indoor Games / Reading Room / etc. ?	
49. Number of Class Rooms in the Institution Number of Laboratories Number of Reading Rooms Number of Staff Rooms Number of Common Rooms Number of Rest Rooms	3 5 (3 Computer lab, 2 Wet lab) Nil 7 Nil Nil

RESEARCH AND DEVELOPMENT

50. Are the Faculty Members Active in Research?

Yes

51. Research Projects Completed during last 5 years with Details:

Name of the Project	Name of the Principal Investigator	Funding Agency	Thrust Area	Total Grant	Duration with Years	Number of Publications under the Research Project	Number of Patents, if any.
NIL							

52. Ongoing Research Projects, if any, with Details:

(Please use separate sheet if necessary)

Name of the Project	Name of the Principal Investigator	Funding Agency	Total Grant	Duration with Years	Number of Publications under the Research Project	Number of patents, if any.
Development of Database & Software tools for identifying Zinc-finger protein binding motifs in Mammalian genomes	Prof. P.P.Mathur	Department of Information Technology	37.7 lakhs	3 years 2007 – 2010	Nil	Nil
Development of E-Learning	Prof. P.P.Mathur	Department of Biotechnology	6.90 lakhs	3 years 2006 – 2009	Nil	Nil
Centre of Excellence for Research & Training in the field of Bioinformatics	Prof. P.P.Mathur	Department of Information Technology	3.69 crores	5 years 2007 – 2012	Nil	Nil

53. Has the Institution organized any Research Meetings During the last 5 years?

Yes

54. Details of Research Meeting, if any, organized during last 5 years.

(Please give separate list with full details, wherever necessary)

Name of the Meeting	Level (National / International)	Type of Meeting (Seminar/ Workshop/ Conference/ Symposia/ Other (specify))	Number of Persons who attended (Male: Female: Total:)	Dates of the Meeting
Bioinformatics & Computational Biology	National	Seminar	75	February 15-18, 2005
Bioinformatics and Functional Genomics	National	Seminar	130	February 15-17, 2006
Computations In Bioinformatics	National	Seminar	90	February 14-16, 2007
Applications of Bioinformatics in Genome Research”	National	Seminar	135	February 13-15, 2008
Molecular Modeling & Drug Design	National	Seminar	115	October 14-16, 2008
Current Trends in Bioinformatics Teaching & Research	National	Seminar	85	February 16-18, 2009

55. Has the Department Participated in any Special Schemes like UGC DRS / DSA / COSIP / ASIST / DST FIST / DBT , others. (Please Specify).	Yes 1. DBT 2. UGC 3. DIT
56. Has the Institution introduced any Innovations in Teaching (Please give details)	Yes M.Sc. Bioinformatics under Innovative Programme - Teaching & Research in Interdisciplinary & Emerging Areas

INSTITUTIONAL / DEPARTMENTAL INFORMATION

57. Annual Budget of the Institution / Department during last 5 years.	Rs.1 Lakh
58. Research Funds per Faculty Member during last 5 years	Prof. P.P. Mathur – Rs.6.90 lakhs Dr. D. Sundar – Rs.34.92 lakhs
59. Ratio of Students to Faculty during last 5 years	2007 – 1:4 2008 - 1:4 2009 - 1:8
60. Ratio of Number of Applications to Available Intake during last 5 years	2007 - 180 2008 - 142 2009 - 375
61. Ratio of Number of Students Appearing for Exam. to Number of Successful Candidates during last 5 years (Final exam. Only)	2007 – 15:15

62. Number of Students Admitted to Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
PG Diploma in Bioinformatics	2003 - 2008	31	10	4	6	1	-	-	-	1	1	37	17
M.Sc. Bioinformatics	2007 - 2009	25	17	7	4	5	1	-	-	11	2	48	24

63. Number of Student Drop-outs in Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
PG Diploma in Bioinformatics	2003 - 2008	7	1	2	-	-	-	-	-	-	-	9	1
M.Sc. Bioinformatics	2007 - 2009	2	1	2	1	2	-	-	-	1	-	7	2

64. Number of Students who Appeared for Final Exam. In Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
PG Diploma in Bioinformatics	2003 – 2008	24	9	2	6	1	-	-	-	1	1	28	16
M.Sc. Bioinformatics	2007 – 2009	23	16	5	3	3	1	-	-	10	2	41	22

65. Number of Students who Passed Final Exam. In Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
P.G. Diploma in Bioinformatics	2003 – 2008	24	9	2	6	1	-	-	-	1	1	28	16
M.Sc. Bioinformatics	2007 – 2009	23	16	5	3	3	1	-	-	10	2	41	22

66. Number of Students who Secured University Ranks (please specify) in Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Nil													

67. Number of Students who won Recognitions in Various Fields (Academic / Cultural / Sports, et cetera (please specify) in Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program & Field of Recognition	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.

68. Any Other Information	
69. Contact Information of Institution / Department	
Name of Contact Person	Dr. P.P. Mathur
Address for Communication	Professor
FAX Numbers	0413 – 2655211
Telephone Numbers (please include codes)	0413 – 2655212
E-Mails	ppmathur@gmail.com

70. Any efforts made by the Department to promote Campus Recruitment -

Yes

71. Healthy practices of the Department.

72. Details of Funding Agencies:

Sl.no.	Name of the Scheme	Status	Amount Sanctioned	Fund Received (2008 – 2009)
1.	DBT – Bioinformatics Centre	Continuing since 1991	Rs. 35 Lakhs approximately per year	Rs. 34 Lakhs
2.	UGC Innovative Programme - M.Sc., Bioinformatics Programme	Continuing since 2007	Rs. 24.50 Lakhs	Rs.15.20 Lakhs
3.	DIT – Centre of Excellence in Bioinformatics	2007 to 2011	Rs. 3.69 crores	Rs. 119.94 Lakhs
4.	DBT - M.Sc., Computational Biology	2008-09 to 2011-12	Rs. 107 Lakhs	Rs. 18 Lakhs

ADDITIONAL INFORMATION

Are there any overseas students? No

Has the department organized

▪ **Lectures: 7** Yes

1. “Molecular Modeling and Drug Design” by Dr. V. Subramanian, CLRI, Chennai
2. “Science of Establishing Human Identity: Present, Past and Future” Dr. Lalji Singh, CCMB
3. “What makes us Human”, Dr. Lalji Singh, CCMB, Hyderabad
4. “Toxiinformatics” by Dr. Poonam Singh, Central Drug Research Institute, Lucknow
5. “Multiple Sequence Alignment & Phylogenetic Analysis” by Dr. Shrish Tiwari, CCMB
6. “Rational Designing of Vaccines for Infectious Diseases Can we use the Innate immune response for the same” by Dr. Santosh K. Kar, JNU, New Delhi
7. “Structure based Drug Design” by Dr. D. Velmurugan, University of Madras, Chennai

▪ **Workshops: NIL**

▪ Seminars: 8 Yes

1. National Seminar on “Molecular Modeling and Drug Design”, October 14 – 16, 2008
2. National Seminar on “Current Trends in Bioinformatics Teaching & Research” Feb 16-18, 2009
3. National Seminar on “Applications of Bioinformatics in Genome Research” Feb 13-15, 2008
4. National Seminar on “Computations in Bioinformatics”, Feb 14-16, 2007
5. Bi-Decennial Celebrations of Pondicherry University – Seminar Series in Bioinformatics on Oct 13, 2006.
6. National Seminar on “Intellectual Property Rights in Bioinformatics & Biotechnology” Sep 15-16, 2005
7. National Seminar on “Advances in Nanosciences and Nanobiotechnology” Dec 05-06, 2005
8. National Seminar on “Bioinformatics and Functional Genomics” Feb 15-17, 2006

▪ Conferences: NIL

If yes, what is the nature and extend of student participation?

No. of students who have passed the following during the last six years

▪ NET	:	3
▪ SLET	:	-
▪ CAT	:	-
▪ TOEFEL	:	-
▪ GRE	:	-
▪ G-MAT	:	-
▪ KAS	:	-
▪ IAS	:	-
▪ Defense entrance	:	-
▪ Others (GATE)	:	3

Titles of Research Projects :

1. Prof. P.P. Mathur

Title: 1. “Development of E-Learning Modules in Bioinformatics”

2. “Development of Database and Software tools for Identifying Zinc Finger Binding Motives in Mammalian Genomes”.

Is there any Student Counseling center in the department? NO

Is there any Grievance Redressal cell? NO

When did the Alumni – Association of the department got established? How many members are actively involved ? Give enrolment statistics.

Place: Pondicherry

Date: 03.09.2009

Signature with Seal of Chairperson