

PLACEMENTS 2006

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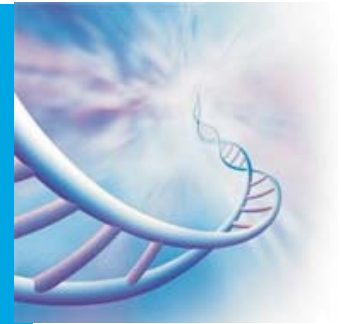
**BIOINFORMATICS CENTER
PONDICHERRY UNIVERSITY
(A CENTRAL UNIVERSITY)
PONDICHERRY - 605 014.**



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COORDINATOR'S MESSAGE

Prof. P. P. MATHUR
Coordinator
Bioinformatics centre
Pondicherry University

Dear Recruiter,

Greetings!

It gives me immense pleasure to pen down a few words about the Bioinformatics Centre of Pondicherry University which is fully funded by Department of Biotechnology (DBT), Govt. of India and is one of the five centres running teaching program. Ever since its inception, the Centre has taken an initiative in manpower development in Bioinformatics and started an Advanced Post Graduate Diploma in Bioinformatics with the support from the Department of Biotechnology, New Delhi in the year 2001. Since then the Centre has groomed several skilled Bioinformaticians from within and outside the university.

Today, the alumni of the centre hold key positions in research institutes and leading organizations. Yet we are constantly into upgrading skills and infrastructure. Being a Centre of repute, we continuously strive to produce best breed of professionals and thus contribute to your success.

It is my privilege to welcome you to Bioinformatics Centre of the Pondicherry University during this year for a rewarding exercise of your esteemed organization.

With regards,

Yours Sincerely,

(P. P. MATHUR)

COORDINATOR'S MESSAGE





ABOUT THE UNIVERSITY

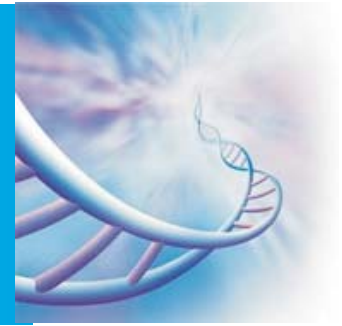


Pondicherry University, established in 1985 is one of the two Central Universities in South India fully supported by the University Grants Commission. Pondicherry University was the first to provide the students with the Choice Based Credit System (CBCS).

The campus is spread over 780 acres of land some of which is rolling down to the sea Beach. Pondicherry University has been accredited by the National Assessment and Accreditation Council with FOUR STAR level in 1999-2000 for a period of 5 Years.

ABOUT THE UNIVERSITY





ABOUT THE DEPARTMENT



The Bioinformatics Centre was established as Sub-DIC in Pondicherry University in the year 1991-92 which was later upgraded to DIC. The Centre has taken an initiative in manpower development in Bioinformatics and started an Advanced Post Graduate Diploma Course in Bioinformatics with the support from the Department of Biotechnology, New Delhi in the year 2001. This is one of the four centers in India funded by The Department of Biotechnology offering course in Bioinformatics.

The Centre has been catering to the needs of scientists in Life Sciences, Biotechnology, Environmental Sciences and related areas.

The Centre has undertaken several collaborative projects in various areas like molecular modeling, drug target identification, development of teaching aids in bioinformatics, etc.

ABOUT THE DEPARTMENT





FACULTY PROFILE

Faculty

Prof. P.P.Mathur, Coordinator
Dr. D.Sundar, M.Sc., M.Phil., PhD.,
Ms. V.Teena Mary, M.Sc., B.ed., M.Phil.
Ms. M.Arul Mary, M.C.A, M.Com
Ms. M.Aswini M.C.A
Mr. A.Subramanium M.Sc., M.Phil.

Technical personnel

Mr. M.Sundaramohan, B.E.
Information Officer
Mrs. V.Amouda, M.S.
Technical Assistant.
Mr.E.Selvakumar, M.Sc., APGDB.
Computer Operator.
Ms. N.Shanthi, M.Sc.,
Computer Operator.

FACULTY PROFILE



LAB FACILITIES



HARDWARE: WORKSTATIONS

25 Workstations Intel Pentium IV with Dual Operating Systems (Red Hat Linux 9 & Windows XP Professional). All workstations are connected with a domain name server on Windows 2003 server.

SOFTWARE:

ACADEMIC LICENSED:

Amber ,Auto Dock ,Dock ,GROMOS96 and Insight II

Insight II

Modules Affinity, Discover Bundle, Biopolymer, Homology, Insight II LS and Ludi.

LAB FACILITIES



LAB FACILITIES



Others:

Modeller, Phred, Phrap and Consed, Whatif

DBT SOURCED:

Accelrys DS Modeling Suite Visualizer, Project KM plus, Analysis, Biopolymer, CHARMM, Delphi, LigandFit, Ligand Score, Ludi, Modeler, MS Search, Protein Families, Protein Health, Protein Similarity Search.

Antivirus packages for BTIS Centers

VENDORS LICENSED:

§ *RedHat Linux 9*

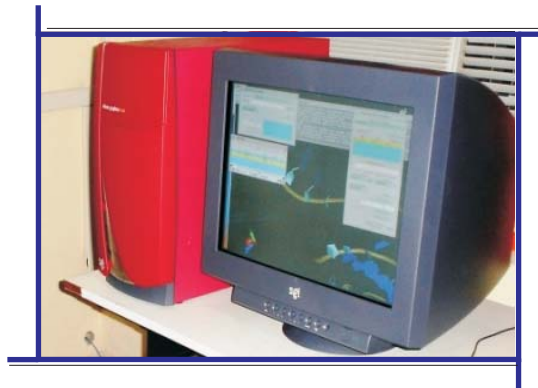
§ *Endnote 4*

§ *Statistica*

LAB FACILITIES



LAB FACILITIES



COMMUNICATIONS

Internet

A 4 Mbps (Megabit per second) leased circuit Radio Link Internet connectivity from the Software Technology Parks of India (STPI), Pondicherry provides round the clock internet access.

The computing facilities in the Bioinformatics Centre are available to the students round the clock on 24 hours/day, 365 days/year basis.

RESOURCES & SERVICES

Web server for sequence analysis: BLAST, PredictProtein, Sequence Manipulation Suite 2, PDB, EMBOSS, phpMyAdmin, SCOP, WEBLOGO are available at

<http://www.bicpu.edu.in/mirrors.htm>.

Free Biosoftwares for Sequence analysis, Genomics, Proteomics, Systems biology, Molecular Modeling, Bio-LiveCD's and Bio-Languages are available at

<http://www.bicpu.edu.in/biotools.htm>

LAB FACILITIES

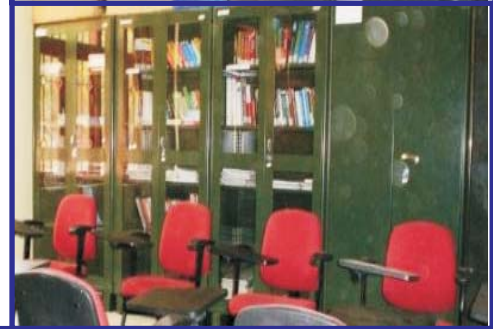




LIBRARY

ANANDA RANGAPILLAI LIBRARY

The university's central library is well stocked with books and periodicals from different fields and has an extensive CD-Rom database containing, National and International journals. University has access to online journals through UGC INFLIBNET.

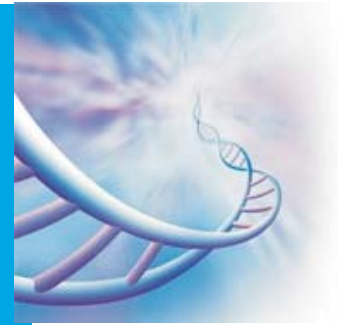


OUR CENTRE'S LIBRARY

In addition to the books available in the University Central Library, our centre library consists around 300 books on various areas like Bioinformatics, Genomics, Proteomics, Molecular Biology, Molecular Modeling, structural biology, and many computer books are available. Our center has access to E-Journals through Science-Direct and EBSCO database. The Journal subscription include Bioinformatics, Briefings in Bioinformatics, Cell, Journal of Bioinformatics and Computational Biology (JBCB), Nature, Nature Chemical Biology, Nature Structural Biology, Science, Scientific American Linux for You (Monthly Magazine)

LIBRARY





COURSE STRUCTURE



Advanced Post Graduate Diploma in Bioinformatics

One Year Advanced Post Graduate Diploma in Bioinformatics is being offered by the Centre with the financial support of the Department of Biotechnology (DBT). For the academic year 2005-06, ten students were selected through a National Level Entrance Examination followed by a personal interview. Selected candidates are paid a stipend of Rs. 5000/- per month as per DBT norms.

Admission Requirements

Only those candidates who have Master's degree in any branch of Biological Sciences are eligible to join the Advanced PG Diploma program in Bioinformatics.

COURSE STRUCTURE





CURRICULUM

Semester I

- § *Data structure and Algorithms.*
- § *Object oriented programming with JAVA.*
- § *Computational Biology*
- § *Mathematical and Statistical techniques*
- § *Relational database management systems*
- § *Practical: Linux, Java, RDBMS Computational Biology*

Semester II

- § *Genomics, Proteomics and Systems Biology*
- § *Principles of Molecular Modeling*
- § *Web programming with PERL-CGI*
- § *Networking and Distributed Computing*
- § *Structural Bioinformatics*
- § *Practical: Web Programming with PERL-CGI, Molecular Modeling and Structural Bioinformatics*
- § *Project work.*

Our center is involved in various fields of Computational Biology like,

- *Molecular Dynamics and simulation.*
- *Drug designing and discovery.*
- *Designing and maintaining databases.*

The students are required to participate actively in the weekly Journal Club Meetings and Seminars. This gives us an opportunity to keep abreast with the current literature and research in the field of Bioinformatics, Biotechnology and IT.



GOWTHAMAN.U

- E-mail* : *ugowthaman@gmail.com*
- Date of Birth* : *28/06/1983*
- Permanent address* : *3/135 A.J.J Street,
Adiparasakthi Nagar,
Thiruppalai,
Madurai - 14.
Mob : 09894199812*
- Background degree* : *M.Sc. Zoology (Specialization in
Biotechnology) from Madurai
Kamaraj University.*
- Specialization* : *Immunology, Cancer biology and
Molecular biology.*
- Projects undertaken* :
- 2005 : *“Factors influencing natural
horizontal gene transfer in fresh
water environment”*
- 2005-2006 : *“Molecular docking studies in HIV
targets”.*

STUDENT PROFILE





JYOTHI SREENADHA REDDY



E-mail : *jyothisreenathreddy@yahoo.com*

Date of Birth : *01/06/1982*

Permanent address : *Jyothi-post,
Siddavatam-mandal,
Cuddapah-dt 516237
Andhra Pradesh.
Phone: 08589 272815*

Background degree : *M.Sc. Biochemistry,
University of Hyderabad.*

Specialization : *Biochemical techniques and
Proteomics*

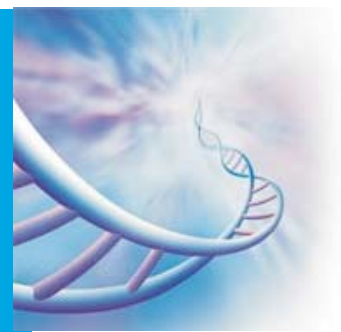
Projects undertaken :

2005-2006 : *“Mapping targets of immune
response in complete Dengue
viral genome”*

2004-2005 : *“Studies on Density distribution of
Proteins in Protein Data Bank”*

STUDENT PROFILE





JYOTHI VIJAYAN



<i>E-mail</i>	: <i>jyothivj2002@hotmail.com</i>
<i>Date of Birth</i>	: <i>23- 05 -1982</i>
<i>Permanent address</i>	: <i>House No.8, Seventh Cross Street, Rajaji Nagar, Lawspet, Pondicherry - 605008 Phone: 0413 - 2250524</i>
<i>Background degree</i>	: <i>M.Sc. Life sciences, Pondicherry University</i>
<i>Specialization</i>	: <i>Bioinformatics, Information Technology.</i>
<i>Projects undertaken</i>	:
<i>2005-2006</i>	: <i>Database of Essential human metabolites: understanding global metabolite data.</i>

STUDENT PROFILE



S. LALITHA



<i>E-mail</i>	: <i>lalithasel@yahoo.co.in</i>
<i>Date of Birth</i>	: <i>13/11/1981</i>
<i>Permanent address</i>	: <i>K.T.S Apartments, No.32 Ramakrishna nagar, Muthialpet, Pondicherry-605003. Phone: 0413 2334099.</i>
<i>Background degree</i>	: <i>M.Sc. Biotechnology, Mother Teresa Women's University</i>
<i>Specialization</i>	: <i>Molecular Dynamics simulation, Molecular Biology, and Plant Biotechnology</i>
<i>Projects undertaken</i>	:
<i>2005-2006</i>	: <i>"Molecular dynamics simulation of transport protein Transferrin as metallodrug mediator".</i>
<i>2004-2005</i>	: <i>"Lysosomal acid phosphatase - Marker enzyme for Programmed Cell Death".</i>

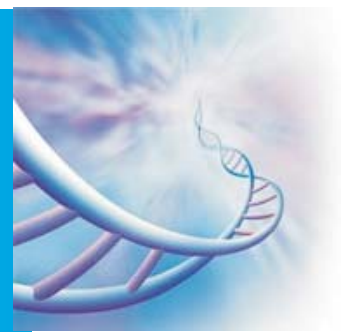


RAJANI KANTA MAHAPATRA



- E-mail* : *burlabio@yahoo.co.in*
- Date of Birth* : *26.06.1983*
- Permanent address* : *At-Basanta Vihar
(In front of S.U main gate)
Jyoti Vihar (Burla)-post,
Sambalpur-dt
Pin- 768019
Orissa
Phone : 09344871804*
- Background degree* : *M.Sc. Life sciences,
Sambalpur University*
- Specialization* : *Database Creation, Sequence
Analysis*
- Projects undertaken* :
- 2005-2006 : *"Medical data Mininig: Clinical
Datawarehouse creation of
Cancer*
- 2004-2005 : *"Phosphorous Deficiency In
Groundnut Plant and related
yield rate"*

STUDENT PROFILE

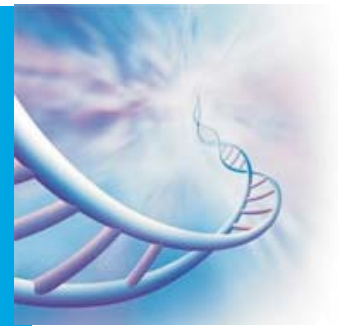


SAI VIKRAMA CHAITHANYA



- E-mail* : *vsaivikram@gmail.com*
- Date of Birth* : *23/06/1982*
- Permanent address* : *V.Ramanaiah(tech.officer)*
R.W.S division,
Leela Mahal Road,
V.R.C center,
Nellore-524003,
Andhra Pradesh
- Background degree* : *M.Sc. Biochemistry, Andhra*
University.
- Specialization* : *Biochemistry and Molecular*
Modelling.
- Projects undertaken* :
2004 : *“Abnormalities of sodium*
metabolism in head injury
patients”
- 2005-2006* : *“Vaccinomics: - construction of*
all possible epitopes that can
acts as potential vaccine
candidates Emerging viral
diseases”.

STUDENT PROFILE

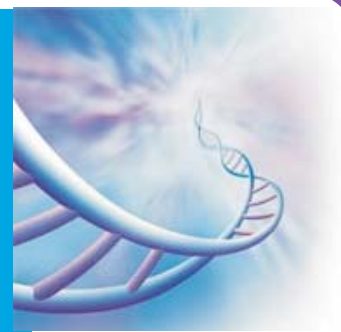


SRINIVASAN . M

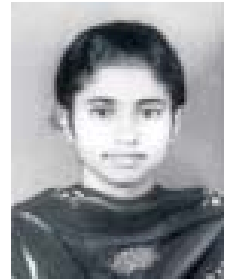


<i>E-mail</i>	: <i>smuniappan@gmail.com</i>
<i>Date of Birth</i>	: <i>15-05-1982</i>
<i>Permanent address</i>	: <i>Gundalahalli Baisuhalli Post Dharmapuri Dist. 635 205 Tamil Nadu Phone: 04342-247513</i>
<i>Background degree</i>	: <i>M.Sc., Biophysics.</i>
<i>Specialization</i>	: <i>Biophysics, Small & macromolecular Crystallography, Molecular modeling and Molecular dynamics.</i>
<i>Projects undertaken</i>	:
<i>2005-2006</i>	: <i>"Homology modeling of pathogenesis related protein"</i>
<i>2004-2005</i>	: <i>Single crystal X-ray diffraction Analysis of small molecules in Single crystal XRD laboratory, SAIIF.</i>
<i>2003-2004</i>	: <i>"Crystal structure analysis of meso-5, 5, 7, 12, 12, 14-hexamethyl- 1,4,8,11-tetraaza-cyclotetradecane copper(II) hexafluorophosphate"</i>

STUDENT PROFILE



TRESA REMYA A.T



E-mail : tresa_remya@yahoo.co.in

Date of Birth : 28-12-1982

Permanent address : Athipozhi house
P.D.Road
Palluruthy.p.o
Cochin-6
Pin: 682006,
Kerala

Background degree : M.Sc. Marine Biology.

Specialization Database Creation

Projects undertaken :

2005-2006 : Database on Drug
Metabolizing Enzymes

2004-2005 : Meiofaunal distribution in
Indian Ocean

STUDENT PROFILE

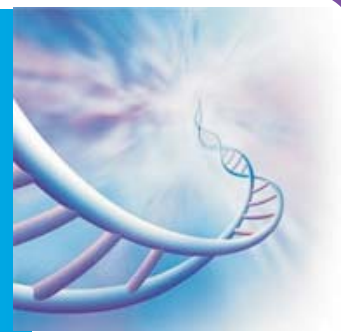


VALIVETI NEELIMA

- E-mail* : valiveti_s@yahoo.com
- Date of Birth* : 01-07-1980
- Permanent address* : Flat#101, Sai Harika Residency,
3rd Lane, Devapuram,
Guntur -522 002
Andhra Pradesh.
- Background degree* : M.Sc.Biotechnology,
Madurai Kamaraj University.
- Specialization* : Molecular Biology
- Projects undertaken* :
- 2005-2006 : "Genome wide survey of GPCRs
in Chicken and Fish genomes
for its evolutionary
implications in vertebrates".
- 2001-2002 : "Cloning and Expression of
Streptomyces peucetius doxA
gene in *E.coli*".
- May-Aug - 2001 : "Checking the markers and
standardizing of the
transformation protocols for
Yeast strain PJ69-4A".

STUDENT PROFILE





M. VANITHA



- E-mail* : vanimuthu@gmail.com
Date of Birth : 23/05/1982
Permanent address : No.11, Sudakar nagar,
Padirikuppam P.O,
Cuddalore 607401
Resi : 04142 288231
Mob : 09994476010
- Background degree* : M.Sc. Biotechnology
Mother Teresa Women's
University, Kodaikanal.
- Specialization* : Molecular Biology, Plant
Biotechnology, Molecular
Modelling and Drug
designing.
- Projects undertaken* :
2004-2005 : "Gene Expression of *mce1A* of
Mycobacterium leprae in
Mycobacterium smegmatis".
2005-2006 : "In silico drug target
identification for human LOX
gene".

WE ARE HERE TO ADD WHAT
WE CAN TO LIFE



Contact:
Dr.P.P.Mathur
Coordinator
Bioinformatics Centre
Pondicherry University
Pondicherry-605014



Tel: +91-413-2655212
Fax: +91-413-2655211
e-mail: biepu2001@yahoo.co.in
Website: www.biepu.edu.in

www.pondiuni.org