

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		DEPARTMENT OF PHYSICS									
2. Location of Institution		R. Venkatraman Nagar, Kalapet, Pondicherry – 14.									
3. Name and Address of Institution		Pondicherry University, Pondicherry.									
Web/URL Home page mail:		www.pondiuni.edu.in									
4. Year (Date if available) of Establishment		1987									
5. Built-up Area in Sq. Ft.		17,500									
6. Institutional Autonomy		Yes									
7. Total Student Strength of the Department (2009)		146									
8. Programs Offered:											
8.(i) Post-Graduate: 5 Year Integrated M.Sc. PHYSICS											
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	
	27	8	6	0	0	0	0	10	2	0	0
8.(i) Post-Graduate: M.Sc. PHYSICS											
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	
	47	25	18	5	0	27	8	16	6	0	0
8.(i) Post-Graduate: M.Phil. PHYSICS											
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	
	23	13	2	0	0	13	2	13	2	0	0

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		
Yet to be admitted (Intake: 8)												
9. Number of Permanent Teaching Faculty							Male: 13		Female: 0		Total: 13	
10. Number of Teaching Posts Sanctioned							Professor: 2		Reader: 1			
							Lecturer: 4					
							Others (Please specify):		Lab. Assistant: 1			
11. Number of Teaching Posts Occupied							Professor: 4		Reader: 4			
							Lecturer: 5					
							Others (Please specify):					

12. List of Technical Staff:							
Sl. No.	Name	Sex	Date of Birth	Date of Super-annuation	Technical	Designation	Highest Qualification
1	A. Paul Robert	Male	6-10-1961	2021	Yes	Jr. Lab. Asst.	B.Sc.
2	M. Mohan	Male	31-07-1965	2025	Yes	Jr. Lab. Asst.	M.Phil.
3	M. Kanagarathinam	Male	13-06-1987	Contract	Yes	Jr. Lab. Asst.	B.Sc.
4	N. Soureche	Male	27-01-1977	Contract	Yes	Sr. Lab. Asst.	B.Sc.
5	A. Anbalagan	Male	24-08-1978	Contract	Yes	Jr. Lab. Asst.	H.Sc.
13. Number of Administrative Staff					Clerical: Male:1 Female:0 Total:1 Attenders: Male:0 Female:1 Total:1 Peons: Male:0 Female:0 Total:0		
14. Whether the Institution has been assessed and accredited by any Agency like NAAC/NBA/AICTE/DEC/etc.?					Yes (NAAC)		
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 : No							
(ii) Admission based on (i) and Entrance exam (National level)							
(iii) Admission based on (i) and / or (ii) and / or (iii) and / or Interview / Group Discussion: Entrance Exam Marks							
(iv) Counselling for students done before Admission: No							
(v) Counselling for students done after Admission: Yes							
(vi) Percentage of Reservations available for Admission under categories SC-2 + 1/ST-1+1/OBC /Sports-1/NRI-2/ : As per GOI norms 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?					As per the advice of the advisory committee of the University		
17. When was the Admission Policy reviewed of late?					Once in three years		
18. How are the courses / programmes advertised?					Through Dailies/University website		
19. Number of Working days per semester?					90 days		
20. Number of Teaching days per semester?					64 days per semester		
21. Are there any policy guidelines for curriculum revision?					Yes, once in five years		
22. Is there any academic body for design and / or review of curriculum?					School Board, Board of Studies & Academic Council.		
23. When was the curriculum last revised?					2008		
24. Are the curricula revised for all programmes simultaneously or partially?					Fully for all courses		
25. Does the institution have credit transfer system?					Yes		

26. Methods of Instruction followed	Class lectures, tutorials, quiz
27. Exam. System followed	End Semester Examination
28. Is there Internal Assessment? If yes, what percentage of the total is this and in what faculty?	Yes, 40% internal
29. Is there external valuation?	Yes
30. Has the institution introduced any innovations in exam?	No
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	Rs. 302 lakhs (OBC fund,SAP,DRS and plan and nonplan)
34. Fee structure per annum:	

GENERAL AND INFRASTRUCTURAL FACILITIES

35. Does the Institution have Dept. Libraries? Are these connected with the main Library?	Nil
36. Area of the Library in Sq. Ft.	NA
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	NA
38. Number of Books purchased last year by Library	NA
39. Is there a Computer Laboratory?	Yes
40. Area of the Computer Laboratory in Sq.Ft.	1000
41. Number of Computers in the Institution	40 in the Department
42. Number of Computers Available for use by Students	23
43. Number of Computers Available for Staff	2 No. for staff; 13 No. for faculty
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. ?	Yes
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	4 7 M Sc labs; 14 Research labs Nil 2 Staffs rooms; 13 Faculty rooms 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 Rs. (in Lakhs)	Duration with Years	Number of Publications under the Research Project	Number of Patents, if any.
Investigations on Ion dynamics solid state ionic materials.	Prof. G. GOVINDARAJ	AICTE	Solid State Physics	8.63	2002-2005 Three years	4	Nil
Investigations on anomalous elect. relaxation ...materials.	Prof. G. GOVINDARAJ	CSIR	Solid State Physics	11.49	2002-2005 Three years	6	Nil
Acoustic velocity & relaxation studies on gall stones	Prof. T. K. NAMBINARAYANA	DST	Chemical Physics	21.0	2004-2007, Three years	2	Nil
Sol-gel synthesis, characterization for solid state battery applications	Prof. N. SATYANARAYANA	UGC	Solid State Battery Materials	4.50	2004-2007, Three years	4	Nil
Sol-gel synthesis, characterization.....of silver super-ionic conducting systems	Prof. N. SATYANARAYANA	AICTE	Solid State Battery Materials	9.00	2004-2007, Three years	6	Nil
Nonlinear Dynamics of Nonlinear Fibers	Prof. K. PORSEZIAN	CSIR	Nonlinear optics	9.00	2002-2005, Three years	8	Nil
Temporal and Spatial Solitons Media	Prof. K. PORSEZIAN	DST	Nonlinear optics	13.00	2004-2007, Three years	23	Nil
Solitons in Nonlinear Media	Prof. K. PORSEZIAN	UGC	Nonlinear optics	4.00	2004-2007, Three years	14	Nil
Nonlinear Pulse Propagation through Periodic Fibers and Waveguides	Prof. K. PORSEZIAN	DAE	Nonlinear optics	8.30	2004-2007, Three years	5	Nil
Paleomagnetic studies on the basic ...Granulite terrain of India	Dr. G. CHANDRASEKARAN	DST	Paleomagnetism	30	2005-2008 Three years	5	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.
Relaxation Process ... Measurements and Modeling	Prof. G. GOVINDARAJ	DST	8.25	2008-2010, Three years	2	Nil
Investigations on relaxation ... conducting solids	Prof. G. GOVINDARAJ	UGC	29.00	2008-2010, Three years	2	Nil
Development of ... thin film batteries	Prof. N. SATYANARAYANA	CSIR	12.5	2007-2010, Three years	2	Nil
Synthesis and ... applications	Prof. N. SATYANARAYANA	DRDO	14.9	2007-2010, Three years	2	Nil
Optical Soliton ... nonlinear media	Prof. K. PORSEZIAN	DST	34.0	2006-2009, Three years	10	Nil
Investigation of light ... nonlinear optical media	Prof. K. PORSEZIAN	IFCPAR	91.0	2006-2009, Three years	9	Nil
Modulational Instability ... Nonlinear Media.	Prof. K. PORSEZIAN	CSIR	20.0	2008-2011, Four years	6	Nil
Solitons and Soliton-... Crystal Fibers with a Liquid Core.)	Prof. K. PORSEZIAN	DST-DFG	3.40	2008-2010, Two years	1	Nil
Interaction meeting on Nonlinear Dynamics	Dr. R. N. Bhowmik	UGC	10.59	2008-2010, Three years	4	Nil
A study of the ... semiconductor s.	Dr. S. V. S. Nageswara Rao	UGC	5.00	2008-2010, Three years	1	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
The Facilities of UGC-DAE Consortium for Scientific Research	National	Seminar	40	4-5, November 2004
Second DST Programme Advisory Committee on Plasma, High Energy, Astronomy & Astrophysics and Nonlinear Dynamics	National	DST meeting	25	14-15, February, 2005
Concepts of Theoretical Physics	National	Seminar	100	23 rd September 2005
			40	4-24, January 2006
DST FAST Track Programme committee meeting	National	DST meeting	30	August 23-24, 2007
DST PAC committee meeting	National	DST meeting	35	January 18, 2008
DST committee meeting	National	DST meeting	35	February 11-12, 2008
National Conference on Physics of Materials	National	Conference	50	19 th -20 th March, 2008
Refresher Course in Experimental Physics	National	Workshop	40	7 th to 21 st July, 2008

55. Has the Department Participated in any Special Schemes like UGC DRS / DSA / COSIP / ASIST / DST FIST / DBT , others. (Please Specify).	Yes UGC DRS & DST FIST (Level-I)
56. Has the Institution introduced any Innovations in Teaching (Please give details)	Power Point Presentation; Computer based animation and experiments, Group discussion and seminar

INSTITUTIONAL / DEPARTMENTAL INFORMATION

57. Annual Budget of the Institution / Department during last 5 years.		7 Lakhs/annum											
58. Research Funds per Faculty Member during last 5 years		Rs. 50 lakhs/Faculty (contribution by 7 faculty members)											
59. Ratio of Students to Faculty during last 5 years		10 : 1											
60. Ratio of Number of Applications to Available Intake during last 5 years		15 : 1											
61. Ratio of Number of Students Appearing for Exam. to Number of Successful Candidates during last 5 years (Final exam. Only)		20 : 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.
Integ. M.Sc.	05-06	4	2	1	3	0	0	0	0	0	0	5	5
Integ. M.Sc.	06-07	4	7	1	2							5	9
Integ. M.Sc.	07-08	4	2	1	3							5	5
Integ. M.Sc.	08-09	3	4	1	2					3	1	7	7
M.Sc.	04-05	14	4	4	0	2	0	1	0	0	0	21	4
M.Sc.	05-06	20	8	2	2	0	0	1	0	0	0	23	10
M.Sc.	06-07	17	6	1	0	2	0	1	0	0	0	21	6
M.Sc.	07-08	5	1	3	1	0	0	0	0	2	6	10	8
M.Sc.	08-09	4	3	8	1	0	0	0	0	6	5	18	9
M.Phil.	04-05	7	3	2	0	0	0	0	0	2	0	11	3
M.Phil.	05-06	7	5	2	0	0	0	0	0	0	0	9	5
M.Phil.	06-07	5	4	3	0	0	0	0	0	1	1	9	5
M.Phil.	07-08	4	6	1	2	0	0	0	0	0	0	5	8
M.Phil.	08-09	2	1	3	0	1	0	0	0	5	5	11	6
Ph.D.	04-09	6	3	4	2	0	0	0	0	5	2	15	7

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.
Integ. M.Sc.	05-06											0	0
Integ. M.Sc.	06-07											0	0
Integ. M.Sc.	07-08	1	0									1	0
Integ. M.Sc.	08-09											0	0
M.Sc.	04-05											0	0
M.Sc.	05-06											0	0
M.Sc.	06-07		1									1	0
M.Sc.	07-08			0	1							0	1
M.Sc.	08-09	1		1						1		3	0
M.Phil.	04-05	2	2									2	2
M.Phil.	05-06											0	0
M.Phil.	06-07			0	1							0	1
M.Phil.	07-08											0	0
M.Phil.	08-09											0	0
Ph.D.												0	0

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.
Integ. M.Sc.	05-06	4	2	1	3	0	0	0	0	0	0	5	5
Integ. M.Sc.	06-07	4	7	1	2							5	9
Integ. M.Sc.	07-08	3	2	1	3							4	5
Integ. M.Sc.	08-09	3	4	1	2					3	1	7	7
M.Sc.	04-05	14	4	4	0	2	0	1	0	0	0	21	4
M.Sc.	05-06	20	8	2	2	0	0	1	0	0	0	23	10
M.Sc.	06-07	17	5	1	0	2	0	1	0	0	0	21	5
M.Sc.	07-08	5	1	3		0	0	0	0	2	6	10	7
M.Sc.	08-09	3	3	7	1	0	0	0	0	5	5	15	9
M.Phil.	04-05	5	1	2	0	0	0	0	0	2	0	9	1
M.Phil.	05-06	7	5	2	0	0	0	0	0	0	0	9	5
M.Phil.	06-07	5	4	3	0	0	0	0	0	1	1	9	5
M.Phil.	07-08	4	6	1	2	0	0	0	0	0	0	5	8
M.Phil.	08-09	2	1	3	0	1	0	0	0	5	5	11	6
Ph.D.	04-09											0	0

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.
Integ. M.Sc.	05-06	4	2	1	3	0	0	0	0	0	0	5	5
Integ. M.Sc.	06-07	4	7	1	2							5	9
Integ. M.Sc.	07-08	3	2	1	3							4	5
Integ. M.Sc.	08-09	3	4	1	2					3	1	7	7
M.Sc.	04-05	14	4	4	0	2	0	1	0	0	0	21	4
M.Sc.	05-06	20	8	2	2	0	0	1	0	0	0	23	10
M.Sc.	06-07	16	5	1	0	2	0	1	0	0	0	20	5
M.Sc.	07-08	5	1	3		0	0	0	0	2	6	10	7
M.Sc.	08-09	3	3	7	1	0	0	0	0	5	5	15	9
M.Phil.	04-05	5	1	2	0	0	0	0	0	2	0	9	1
M.Phil.	05-06	7	5	2	0	0	0	0	0	0	0	9	5
M.Phil.	06-07	5	4	3	0	0	0	0	0	1	1	9	5
M.Phil.	07-08	4	6	1	2	0	0	0	0	0	0	5	8
M.Phil.	08-09	2	1	3	0	1	0	0	0	5	5	11	6
Ph.D.	04-09											0	0

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.
Integ. M.Sc.	05-06												
Integ. M.Sc.	06-07												
Integ. M.Sc.	07-08												
Integ. M.Sc.	08-09												
M.Sc.	04-05	1										1	
M.Sc.	05-06	1										1	
M.Sc.	06-07	1										1	
M.Sc.	07-08		1										1
M.Sc.	08-09	1										1	
M.Phil.	04-05	1										1	
M.Phil.	05-06	1										1	
M.Phil.	06-07	1										1	
M.Phil.	07-08		1										1
M.Phil.	08-09	1										1	
Ph.D.	04-09												

67. Number of Students who won Recognitions in Various Fields (Academic / Cultural / Sports, etc (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	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Integ. M.Sc.	05-06											0	0
Integ. M.Sc.	06-07											0	0
Integ. M.Sc.	07-08											0	0
Integ. M.Sc.	08-09											0	0
M.Sc.	04-05											0	0
M.Sc.	05-06											0	0
M.Sc.	06-07											0	0
M.Sc.	07-08											0	0
M.Sc.	08-09											0	0
M.Phil.	04-05											0	0
M.Phil.	05-06											0	0
M.Phil.	06-07											0	0
M.Phil.	07-08											0	0
M.Phil.	08-09											0	0
Ph.D.												0	0

68. Any Other Information

Every year minimum of 5 student attending summer school conducted by leading national institutions. Many of the research scholars/PG students from various institutions are availing research facilities of our department

69. Contact Information of Institution / Department

Name of Contact Person	Dr. G. Govindaraj
Address for Communication	Professor & Head Department of Physics Pondicherry University Puducherry – 605 014.
FAX Numbers	0413-2655183
Telephone Numbers (please include codes)	0413-2654402
E-Mail:	ggraj_7@yahoo.com

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

Through University Placement officer, at the end of the semester, campus recruitment is carried out by inviting leading R&D Institutions and software companies

71. Healthy practices of the Department.

(a) We are conducting periodical faculty meeting and programme committee meeting with students representatives (b) Weekly seminar by the PG and Research students (c) Experts lectures arranged in all thrust areas of physics (d) We are always encouraging students to go for summer programmes conducted by various institutions (e) Conducting classes for NET/GATE students.

ADDITIONAL INFORMATION

Are there any overseas students? - No -

Has the department organized

- Lectures: 6 lecture/year by eminent scientists/professor
- Workshops: Please see the S. No. 54
- Seminars: Please see the S. No. 54
- Conferences: Please see the S. No. 54

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

Students are encouraged to participated in workshops/ Seminar/Conferences and attending talks.

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

- NET : 5
- SLET :10
- CAT : Nil
- TOEFEL :10
- GRE : 10
- G-MAT :Nil
- KAS :Nil
- IAS :Nil
- Defense entrance :4
- Others : 15 (GATE & JEST)

Titles of Research Projects : Please see th S. Nos. 51 & 52

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:

Date:

Signature with Seal of Chairperson