PONDICHERRY 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

				GENI	LKAL	ПЛГ	UK.	MA I I	JN				
1. Nan	ne of th	e Depar	tment					E	arth Sc	iences			
2. Loca	ation o	f Institut	ion				Puducherry						
3. Nan	ne and	Address	of Inst	itution			Pondicherry University						
							R.Venkataraman Nagar, Kalapet,						
							Puducherry						
Web/U	JRL Ho	me page	2					www. p	ondiun	i.edu.in			
Email		1 0				WW Pondonia							
4. Year	r (Date	if availa	ble) of	Establis	hment				199	4			
	,	rea in Sq								13670	sa.ft		
		l Autono											
		ent Stren	•	the						95			
Depart			J	-						, ,			
			grated M	Sc. Appli	ed Geol	ogy,]	M.Sc	. Applied	d Geology	, Ph.D I	Earth Scier	nces	
		ate: (Pleas		y courses.								7	
Total Intake	Total Studen	t	Student Pondici		Student Other	ts froi	n	Student Other S		NRI St	udents		
IIItake	Strengt		Univer		Univers	sities		Others	rtates				
									1				
) / C	Male	Female	Male	Female	Male	Fen	nale	Male	Female	Male	Female	-	
M.Sc 76	5.0	1.0						5.0	1.0				
	56	16	-	-	-		-	56	16	-	-		
Integ.													
M.Sc	15	17	6	10	_		_	9	7	_	_		
41	13	1,	O	10					,				
	•	•	•	•	•			•	•		•	1	
		ase specif		ts. If neces								7	
Total Intake	Total Studen		Student Pondici		Student Other	ts froi	om Students from NRI Students Other States						
IIIIake	Strengt		Univers		Univers	sities		Others	naies				
	Male	Female	Male	Female	Male	Fen	nale	Male	Female	Male	Female		
24	20	4	14	3	-		-	6	1	-	-		
							T		_				
		_	_				Ma	ale: 6	Fe	male:	- T	otal: 6	
				ching Fa									
10. Nu	mber o	f Teachi	ng Pos	ts Sancti	oned			ofessor			Reade	r: 4	
							cturer:						
									lease spe	ecify):	Lab. A	ssistant: -nil-	
11. Nu	mber o	f Teachi	ng Pos	ts Occup	ied		Professor: 2						
						Reader: 1							
							Lecturer: 3						
							Ot	hers (P	lease spe	ecify):			

12. L	ist of Technical S	Staff:									
S1.			Date	Date							
No.	Name	Sex	of	of Super-	Technical	Designation	Highest Qualification				
			Birth	annuation	n		Quanneation				
1.	S. Balamurugan	Male	19.09.1971	On		Senior Lab	M.Sc				
				Contrac	t	Assistant					
2.	R. Arunachalam	Male	28.12.1980	On		Junior Lab	M.Sc				
	37.77	3.7.1	12 4 1001	Contrac	t	Assistant	3.60				
3.	N. Vetriselvan	Male	13.4.1981	On		Junior Lab	M.Sc				
4.	G. Karunakaran	Male	21.8.1976	Contrac On	1	Assistant Lab Attendant	B.M.M				
	O. Karunakaran	Iviaic	21.0.1770	Contrac	+	Lao Attendant	D.1V1.1V1				
13 N	Number of Admin	istrative	Staff		rical: Male: 1	l Female: - To	otal· 1				
	various of Fighting	istrati ve	Stair		enders: Male: 1						
						- Female: - T					
14 V	Whether the Institu	ıtion ha	s been assessed			ended the perform					
	nd accredited by a					ences during the l					
	JAAC/NBA/AIC		•	-	reditation in the						
_						- ,					
15. V	What are the admis	ssion po	licies in your i	nstitutio	n? (Please strik	e our whichever	is not				
	pplicable)	1	J		•						
		based o	n Entrance exa	m (Natio	onal level) only	<i>'</i> .					
,	*		ervations availa	*							
`			1/ST-1+1/OBC								
V	Vomen / Category										
	Internal stu	dents /F	Physically Chal	lenged /	Domicile of						
			students / Ward								
(i	iii) Any others	(please	specify):		-						
16. Is	s there any review	of the	Admission								
P	Policy?										
	Vhen was the Adr	nission	Policy reviewe	d							
	of late?										
	Iow are the course	es / prog	grammes			ment made by the	-				
a	dvertised?					aper etc. the Dept					
						s the admission n					
						in various parts					
					country, and whenever the faculty members of the Dept visit other institutions they project the						
					-	-	1 0				
					-	mance of the Dep	t to				
4 ~ -					sperous studen	ts					
	Sumber of Workin	ng days	per	At	out 110 days						
	emester?										
	Number of Teaching	ng days	per	At	out 90 days						
	emester?		11. 0			• • •					
	are there any police		elines for		-	lated or revised p	eriodically				
	urriculum revision				regular basis.						
	s there any acader		y for design and	d / Sc	hool Board						
	r review of curric										
23. When was the curriculum last revised? 2008											
	are the curricula re				rricula revised	for M.Sc Applied	d Geology				
p	rogrammes simul	taneous	ly or partially?	cou	rse						

25. Does the institution have credit transfer system?	
26. Methods of Instruction followed	Class room teaching, lab practices, field training programmes, professional training and independent project work.
27. Exam. System followed	As prescribed by the University
28. Is there Internal Assessment? If yes, what	40% internal assessment for theory courses,
percentage of the total is this and in what faculty?	and 50% internal assessment for lab courses.
29. Is there external valuation?	No.
30. Has the institution introduced any innovations in exam?	
31. Are the exams held as per schedule? If not, give reasons.	Exams are held as per schedule.
32. Are the results declared as per schedule? If not, give reasons.	Provisional results are declared by the Dept as per schedule.
33. Grants received from various sources	
34. Fee structure per annum: As prescribed by the	he University.

GENERAL AND INFRASTRUCTURAL FACILITIES

35. Does the Institution have Dept. Libraries? Are these connected with the main Library?	There is a Dept Library consisting of books donated by retired scientists and collected through the efforts of faculty. All books and journals on Earth Sciences purchased by the University are maintained by the University Library.
36. Area of the Library in Sq. Ft.	150 sq ft
37. Number of Books in the Library	•
Number of Text books in the Library	75
Number of Reference books in Library	300
Number of Audio cassettes	
Number of Video cassettes	
Number of CD ROMS	
38. Number of Books purchased last year by	
Library	
39. Is there a Computer Laboratory?	Yes
40. Area of the Computer Laboratory in	200 sq ft
Sq.Ft.	
41. Number of Computers in the Institution	8
42. Number of Computers Available for use	8
by Students	
43. Number of Computers Available for Staff	6
44. Is the Administration of the Institution	
computerized?	
45. Does the Institution have an Auditorium?	Yes
46. Does the Institution have Canteen	Yes
facilities?	
47. Does the Institution have a Student	
Centre?	
48. Does the Institution have facilities for	Yes
Indoor Games / Reading Room / etc. ?	
49. Number of Class Rooms in the Institution	3
Number of Laboratories	12
Number of Reading Rooms	
Number of Staff Rooms	6
Number of Common Rooms	
Number of Rest Rooms	

RESEARCH AND DEVELOPMENT

50. Are the Faculty Members Active in Research? Yes 51 Passarch Projects Completed during last 5 years with Details:

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.
Prof.S. Balakrishnan	DST		376 lakhs	2004 – 2009	4	
Dr.D. Senthil Nathan	DST		4.6 lakhs	2005 – 2006	1	
Dr.Pramod Singh	DST		8.28lakhs	2003 – 2007	2	
	Prof.S. Balakrishnan Dr.D. Senthil Nathan	Investigator Agency Prof.S. Balakrishnan DST Dr.D. Senthil Nathan DST	Investigator Agency Prof.S. Balakrishnan DST Dr.D. Senthil Nathan DST	Investigator Agency 376 lakhs Prof.S. Balakrishnan DST 376 lakhs Dr.D. Senthil Nathan DST 4.6 lakhs	Investigator Agency Years Prof.S. Balakrishnan DST 376 lakhs 2004 – 2009 Dr.D. Senthil Nathan DST 4.6 lakhs 2005 – 2006	Investigator Agency Agency Years Publications under the Research Project Prof.S. Balakrishnan DST 376 lakhs 2004 – 2009 4 Dr.D. Senthil Nathan DST 4.6 lakhs 2005 – 2006 1

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.
Geo-chronological Studies on Uranium Mineralizationtracer solution.	Prof.S. Balakrishnan	BRNS	16.9 lakhs	2008 – 2011		
Measurement of cosmogenic ¹⁰ Be and ²⁶ A1 abundances in quartz to determine exposure ages of granulites and gneisses from South India	Prof.S. Balakrishan	IUAC	5 lakhs	2007 – 2010		
EPR spectroscopic study of quartz from hydrothermal ore deposits: Significance in minerals exploration.	Prof.M.S. Pandian	DST	25.37 lakhs	2008 – 2011	1	
Comparison of fluid circulation processes in granite intrusion related environments: developments of models for economic evaluation of granite related hydrothermal processore	Prof.M.S. Pandian	DST-RFBR	7.40 lakhs.	2009- 2011		
¹⁴⁶ Sm- ¹⁴² Nd isotopic studies of meteorites and Earth materials: Early chemical differentiation of bulk silicate part of planetary bodies	Dr.Rajneesh Bhutani	PLANEX	40 lakhs	2007 – 2010		
Geochemical tectonics across Cauvery Shear Zone, South India	Dr.Rajneesh Bhutani	DST	11.4 lakhs	2005 - 2009		
Drill core sampling of the quaternary sediments of the Cauvery Delta between Mannargudi and Pennar River for geochemical and paleo environmental studies	Dr.Pramod Singh	DST	54 lakhs	2006 - 2011		

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.
Be-10 measurements using AMS on sediment core samples from Indian Ocean and Inland water bodies to determine rate of sedimentation: Significance to paleoclimate studies	Dr.Pramod Singh	IUAC	5 lakhs	2007 – 2010		
Emplacement mechanism and post emplacement evolution of the massif type anorthosite at Bolangir, Eastern Ghats Belt India.	Dr.Subhadip Bhadra	DST	3.24 lakhs	2007 – 2010		

53. Has the Instituti	on organized any		Yes.								
Research Meeti	ngs During the last	5 years?									
54. Details of Resea				last 5 years.							
	list with full details, whe				1						
Name of the Meeting	Level (National / International)	Type of Me (Seminar/V Conference Symposia/C (specify)	Vorkshop/ /	Number of Persons who attended (Male: Female: Total:)	Dates of the Meeting						
DST-ESS division workshop on Shallow Sub-surface Studies.	National	Workshop		M-45, F-7, Total 52	31.1.2004 & 1.2.2004						
PAC-GMM meeting of DST-Fast Track program	National	Review of of projects and proposals		M-32, F-6, Total 38	5.1.2007 & 6.1.2007						
55. Has the Departr Special Schemes li COSIP / ASIST / D (Please Specify).	ke UGC DRS / DS.	A / 2 thers.	 Dept of Earth Sciences received grant of Rs.92 lakhs under DST-FIST program (2004-2008) Dept of Earth Sciences is receiving support under UGC-SAP at DRS level (2009-2014) 								
56. Has the Instituti	•		Dept of Earth Sciences offers 3 intensive field training programmes of 3 weeks duration, and every student								
Innovations in Teac	ching (Please give d			s independent proje in the Department.	ect work. Students an	re trained in generating data using sophisticated equipments					

INSTITUTIONAL / DEPARTMENTAL INFORMATION

57. Annual Budget of the Institution /	Rs. 12 lakhs
Department during last 5 years.	
58. Research Funds per Faculty Member	Rs. 37 lakhs
during last 5 years	
59. Ratio of Students to Faculty during last 5	10:1
years	
60. Ratio of Number of Applications to	12:1
Available Intake during last 5 years	
61. Ratio of Number of Students Appearing for	1.00:0.97
Exam. to Number of Successful Candidates	
during last 5 years (Final exam. Only)	

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

during the last 3 years													
Program	Year	Gen	eral	S	C	S	T	Cat	. 1	OB	C	To	tal
		Male	Fem.										
M.Sc	04-05	6	4	4	-	1	-	-	-	-	-	11	4
M.Sc	05-06	8	2	4	1	-	-	-	-	-	-	12	3
Int.M.Sc	05-06	1	4	2	1	-	-	-	-	-	-	3	5
M.Sc	06-07	9	-	6	-	-	-	-	-	-	-	15	-
Int.M.Sc	06-07	4	-	3	1	-	-	-	-	1	3	8	4
M.Sc	07-08	1	1	3	-	-	-	-	-	10	-	14	1
Int.M.Sc	07-08	3	1	1	3	-	-	-	-	1	3	5	7
M.Sc	08-09	4	5	2	2	1	-	-	-	1	1	8	8
Int.M.Sc	08-09	3	2	2	-	1	-	-	-	-	1	6	3
M.Phil	04-05	2	-	1	-	-	-	-	-	-	-	3	-
Ph.D	06-07	2	-	2	-	1	-	-	-	2	-	7	-
Ph.D	07-08	-	2	3	-	-	-	-	-	1	1	4	3
Ph.D	08-09	1	-	3	-	-	-	-	-	-	-	4	-

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

Program	Year	Gen	eral	S	С	S	T	Ca	t. 1	OI	3C	То	tal
		Male	Fem	Male	Fem.								
M.Sc	04-05	-	-	-	-	-	ı	-	-	-	-	-	-
M.Sc	05-06	ı	ı	-	ı	-	ı	-		-	1	ı	-
Int.M.Sc	05-06	ı	ı	1	1	-	ı	-	-	-	-	1	-
M.Sc	06-07	ı	ı	1	ı	-	ı	-		-	1	1	-
Int.M.Sc	06-07	3	ı	2	ı	-	ı	-	1	-	1	5	-
M.Sc	07-08	-	-	-	-	-	1	-	-	-	-	-	-
Int.M.Sc	07-08	-	-	1	1	-	1	-	-	-	-	1	1
M.Sc	08-09	-	-	1	-	-	-	-	-	-	-	1	-
Int.M.Sc	08-09	-	-	1	-	-	1	-	-	-	1	1	1
M.Phil	04-05	-	-	-	-	-	1	-	-	-	-	-	-
Ph.D	06-07	-	-	1	-	-	-	-	-	-	-	-	-
Ph.D	07-08	•	ı	-	1	-	•	-	-	-	-	-	-
Ph.D	08-09	-	-	-	-	-	-	-	-	-	-	-	-

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.
M.Sc	04-05	2	6	3	-	-	-	-	ı	ı	ı	5	6
M.Sc	05-06	6	4	4	-	1	-	-	ı	ı	ı	11	4
M.Sc	06-07	8	2	4	1	-	-	-	-	-	-	12	3
M.Sc	07-08	9	-	5	-	-	-	-	-	-	-	14	-
M.Sc	08-09	1	1	3	-	-	-	-	-	10	-	14	1
M.Phil	05-06	2	-	1	-	-	_	-	-	-	-	3	-

65. Number of Students who Passed Final Exam. In Various Programs (UG/PG/Certificate/

Diploma Courses) during the last 5 years

<u>= 191011100</u>													
Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc	04-05	2	6	3	-	-	-	-	-	-	-	5	6
M.Sc	05-06	6	4	4	-	1	-	-	-	-	-	11	4
M.Sc	06-07	8	2	4	1	-	-	-	-	-	-	12	3
M.Sc	07-08	8	-	3	-	-	-	-	-	-	-	11	-
M.Sc	08-09	1	1	2	-	-	-	-	-	10	ı	13	1
M.Phil	05-06	2	-	1	-	-	-	-	-	-	-	3	-

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

(COVID / CONTINUE / Expression Courses) Continue to June 1													
Progra	Year	ear Genera		al SC		ST		Cat. 1		OBC		Total	
m		Male	Fem	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc.	03-05		1										1
	04-06	1										1	
	05-07	1										1	
	06-08	1										1	
	07-09									1		1	
Total												4	1

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 &	Year	Gen	General SC		C	ST		Cat. 1		OBC		Total	
Field of		Ma	Fe	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem
Recognition		le	m.										

68. Any Other	Information
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69. Contact Information of Institution / Department

Name of Contact Person	Dr.M.S. Pandian
Address for Communication	Prof. & Head, Department of Earth Sciences
FAX Numbers	0413-2655008
Telephone Numbers (please include codes)	0413 – 2654425
E-Mails	mspandian59@hotmail.com

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

Placement brochure is circulated to potential employers in private sector.

- 71. Healthy practices of the Department.
 - 1) Development programmes of the Dept are discussed in Faculty meeting.
 - 2) Sophisticated analytical facilities available in the Dept are made available to users from various parts of the country.
 - 3) All faculty members participate in field training programmes of students.
 - 4) A colloquium is organized in the Dept on Thursday afternoon. Faculty from various Deptts and research scholars of the Dept deliver talks on topics of general interest.
 - 5) Students organize a freshers' introduction meet in the beginning of academic year and a farewell function for passing out students at the end of academic year, in which all students, staff and faculty participate.

ADDITIONAL INFORMATION

Are there any overseas students?

No.

Has the department organized

Lectures:

Guest lectures by eminent scientists are organized every year.

Workshops:

Organised a DST sponsored workshop on Shallow Sub-surface Studies Jan 31 – Feb 1, 2004.

Organised 8th PLANEX Workshop on "Exploration of Solar System Objects" during Dec. 24-28, 2007.

Organized a DST sponsored training programme on "Application of radiogenic isotopes in geochronology and geochemistry" during 15-20 December 2008.

Seminars:

Two seminars on "Recent trends in Geosciences" and "Human Resource Development in Geosciences' were organized during 2006 on the occasion of Decennial celebration of the University.

Conferences:

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

No. of stud	ents who have pas	ssed the	following during the last six years				
■ NE	Т	:	17				
■ SLF	ΞT	:	-				
 CA' 	T	:	-				
■ TO	EFEL	:	1				
■ GR	E	:	-				
■ G-N	МАТ	:	-				
■ KA	S	:	-				
IAS	5	:	-				
Def	Pense entrance	:	-				
	ners (UPSC exam Geologist)	:	25				
Is there any	Student Counsel	ing cent	er in the department. No.				
Is there any	Grievance Redre	ssal cel	? Yes, at the University level.				
	he Alumni – Assovinvolved? Give		of the department got established? How many members ent statistics.				
Efforts are being made to constitute an Alumni Association in the Dept.							

Signature with Seal of Chairperson

Place: Date: