



PONDICHERRY UNIVERSITY

(A Central University established by an Act of Parliament No. 53 of 1985)

ACCREDITED WITH "A" GRADE BY NAAC

INFORMATION BROCHURE

(AS ON 10.02.2023)

Admissions 2023-24 - CUET 2023

(for Integrated PG Programmes)



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From the Vice-Chancellor's Desk

It is a matter of great pride and privilege to be a part of Pondicherry University fraternity as its Vice-Chancellor. I consider that students are fortunate to get a quality education under the mentorship of worthy teachers at Pondicherry University, where the curriculum is regularly upgraded to meet the challenges of the 21st century. I am happy to welcome all the students joining this University for various Post-Graduate and Doctoral programmes for the academic year 2023-2024.

My vision is to encourage a transparent culture in all fields that will enthuse in teamwork amongst all the members of the University and bring out the best out of faculty and students. The aim is to reinforce the vein for exploration to achieve global distinction and excellence. The quality of education disseminated in the University churns the vibrant young minds with the major skill-sets required for the industry. The courses offered are very carefully designed keeping the functionality of output to bridge the gap between higher education and employment. We kindle the passion in students and churn them out as a brigade of enterprising leaders.

The publication of our in-house research journals with high academic visibility and impact factor, various Memorandums of Understanding and collaboration with international and national universities for various programmes, research projects and conferences, specially designated 'Chairs', for academic excellence, distinguished faculty, and enthusiastic students are taking our University to incredible heights.

In addition to the green campus, excellent architecture, state-of-the-art infrastructure, well-equipped laboratories, cosy workrooms for research and teaching, facility of online admissions, Credit-Based Evaluation System, more than twenty thousand learners in various disciplines, two off-campus, one located in Port Blair (Andamans) and another at Karaikal, with two constituent colleges, one at Puducherry and another at Mahe add credit to Pondicherry University. Further, the campuses off the University are ICT enabled and provide an e-learning and e-connect environment, along with class coordination system, document management system as well as virtual class rooms.

I am confident that the Pondicherry University fraternity will produce excellent scientists, technocrats, visionary leaders, competent researchers and teachers in the fields of science, engineering, humanities, management and social sciences, who will not only bring laurels to the University but also make the nation proud.

PROF. GURMEET SINGH
VICE-CHANCELLOR

VISITOR	Smt. DROUPADI MURMU Her Excellency, the President of India
CHIEF RECTOR	Dr. TAMILISAI SOUNDARARAJAN Her Excellency, the Lt. Governor of Puducherry
VICE-CHANCELLOR	Prof. GURMEET SINGH

Director (i/c) (Studies, Educational Innovation & Rural Reconstruction)
Prof. K. THARANIKKARASU

O.S.D. (Culture & Cultural Relations)
Prof. RAJEEV JAIN

Registrar (i/c)
Dr. RAJNEESH BHUTANI

Finance Officer (i/c)
Prof. D. LAZAR

Controller of Examinations
Shri. SADANAND G. SWAMI

Librarian
Dr. M. VIJAYAKUMAR

DEANS OF SCHOOLS

Prof. G. CHANDHRIKA	: Sri Subramania Bharathi School of Tamil Language & Literature (i/c)
Prof. MALABIKA DEO	: School of Management
Prof. RAJESWARI SESHADRI	: Ramanujan School of Mathematical Sciences
Prof. M.S. PANDIAN	: School of Physical, Chemical & Applied Sciences
Prof. H. PRATHAP KUMAR SHETTY	: School of Life Sciences
Prof. CLEMENT SAGAYARADJA LOURDES	: School of Humanities
Prof. B.B. MOHANTY	: School of Social Sciences & International Studies
Prof. S. SIVASATHYA	: School of Engineering & Technology
Prof. K. CHELLAMANI	: School of Education
Prof. PANKAJ KUNDRA	: School of Medical Sciences (i/c)
Prof. P. SRIDHARAN	: School of Performing Arts
Prof. S. VICTOR ANANDKUMAR	: School of Law (i/c)
Prof. K. THARANIKKARASU	: School of Media & Communication
Prof. K. THARANIKKARASU	: Madanjeet School of Green Energy Technologies

ADMISSION REQUIREMENTS

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	CUET-2023 (UG) Domain subjects
● Five Year Integrated M.Sc. Programme for +2 Students in the School of Physical, Chemical and Applied Sciences					
3801	M.Sc.	Applied Geology	39	Pass in +2 with 50% of marks and should have studied Physics, Chemistry and Mathematics	Physics, Chemistry & Mathematics
3802	M.Sc.	Chemistry	39		
3803	M.Sc.	Physics	39		
● Five Year Integrated M.Sc. Programme for +2 Students in the Ramanujan School of Mathematical Sciences					
3841	M.Sc.	Mathematics	25	Pass in +2 with a minimum of 50% of marks with Mathematics, Physics and Chemistry as subjects of study (Candidates with other branches in +2 are not eligible for this programme)	Physics, Chemistry & Mathematics
3842	M.Sc.	Computer Science	25		
3843	M.Sc.	Statistics	25		
● Five Year Integrated M.A. Programme for +2 Students in the School of Social Sciences and International Studies					
3151	M.A.	History	25	Pass in +2 with a minimum of 50% of marks	General Test
3152	M.A.	Political Science	25		
3153	M.A.	Sociology	25		
● Five Year Integrated M.A.(SEAL) Programme for +2 Students in the Social & Economic Administration and Law					
413	M.A.	Social & Economic Administration and Law (SEAL)	20	Candidates seeking admission for the M.A (SEAL) (Five Year Integrated Programme) Course are required to pass : i) The Higher Secondary, Intermediate or Senior Secondary School Certificate Exam, conducted by the Centre or State Government Board OR ii) The Pre- University or Pre-Degree Examination of a recognized university OR iii) The French Baccalaureate or any other qualification equivalent to the above mentioned qualifications approved by the Academic Council of the University. iv) The candidate should have a minimum score of 50% in the qualifying examination.	General Test

Note: The Profile of the Departments / Centres are available in the University Website:
<https://www.pondiuni.edu.in/departments-centres/>

GENERAL CONDITIONS OF ADMISSION

- Admission to the various courses of the University is open to all those who have the prescribed qualifications without any discrimination of race, caste, creed, language or sex.
- The minimum eligibility criteria for different courses are as prescribed in the appropriate sections. Candidates qualified through other system of studies should obtain eligibility certificate from the University before admission.
- The students will be required to take up a group health insurance (for hospitalization, etc.) through the University.
- Admitted students are required to carry the University Identity Card at all times while they are inside the campus.
- Students are instructed not to miss classes, since 70% of attendance is required to appear for the examination. Those who need accommodation in the hostels must report to their departments prior to registration and counselling.
- The University reserves its right not to offer a course advertised, for any administrative or other reasons.

PONDICHERRY UNIVERSITY - STUDENTS ACADEMIC ACTIVITY MANAGEMENT SYSTEMS (PU-SAMS)

Innovative methods of management of academic progression of students from the time of their admission to course completion in institutions of higher learning is both a challenge and an opportunity. The challenge comes from managing a large number of students, faculty, departments, programs and courses in such a way that maximal knowledge transfer, optimal utilization infrastructure and best offer of services can be effected. The opportunity comes from the possibilities of innovations in accountability, accreditation and enhancement of learning experience. Towards this end, Pondicherry University has developed the Student Academic Activity Management System (PU-SAMS).

The software PU-SAMS is an online-platform that is meant to manage the entire range of CBCS – from admission, online payment of tuition fees, registration of courses, approval of registration by the faculty, allocation of courses to the faculty, time-table, student attendance, internal assessment, online payment of examination fee, end-semester assessment, conversion of marks to grades, declaration of results, grade card generation and distribution. The software works on the principle of differential access and need-to-know basis.

PUSAMS is tuned to help all the stake holders that include students, teachers, HoDs, Deans, Administrators and the Vice-Chancellor to monitor academic activities across Pondicherry University on real time basis.

RESERVATION

SC/ST Candidates

In accordance with the policy of the Government of India and the guidelines of the University Grants Commission, the University has reserved 15% of seats in each course for candidates belonging to the Scheduled Castes and 7.5% seats for those belonging to the Scheduled Tribes with a provision for inter-changeability between these categories, wherever necessary. All SC/ST candidates who have passed the qualifying examination are eligible to apply for PG admission irrespective of the percentage of marks obtained in the qualifying examination except otherwise specified. Candidates should submit a certificate about their caste from a Revenue Officer not below the rank of the Tahsildar at the time of admission.

OBC Candidates

27% reservation for OBC category (Non-Creamy Layer) is implemented by the University as per Government of India instructions.

EWS Candidates

In accordance with the policy of the Government of India, the University implements 10% reservation in admission for Economically Weaker Section (EWS) candidates in each course. The candidates have to produce the necessary certificate from the Revenue Department, in the format prescribed by Government of India.

Differently abled Candidates

5% of seats in each course are reserved for differently abled candidates. Each differently abled candidate shall be required to submit a certificate from a government hospital indicating the extent of physical disability and also the extent to which the disability hampers the candidate in pursuing his/her studies. The candidates may have to undergo a fresh medical examination if required by the University before being admitted. All differently abled candidates who have passed the qualifying examination are eligible to apply for PG admission irrespective of the percentage of marks obtained in the qualifying examination except otherwise specified.

● Fee Table: ALL FIVE YEAR INTEGRATED P.G Programmes (in ₹)						
Sl. No	Item	Semester			Remarks	
		I	II/ IV/ VI/ VIII*/ X*	III/ V/ VII*/ IX*		
	Tuition Fee	3000	3000	3000		
1.	For Foreign Nationals/ SAARC / Developing Countries	US \$ 350	US \$ 350	US \$ 350		
	Developed Countries & NRIs	US \$ 500	US \$ 500	US \$ 500		
2.	Registration Fee	300				
3.	Matriculation Fee	100				
4.	Recognition Fee	400				
5.	Sports Fund	500		500		
6.	Medical Examination / Facilities Fund	600		600		
7.	Library Fund	1500		1500		
8.	Laboratory Fund/Computer Lab Fund/Wet Lab Fund	2000		2000		
9.	Amenities Development Fund	6000				
10.	Students' Welfare Fund	400		400		
11.	Alumni Association Fund	200				
12.	Caution Deposit (Refundable)					
	Science Courses	2000				
	Other Courses	1000				
13.	Advanced Lab Facility Fund (only for Science Departments)	1000		1000		
14.	Placement Activity Fund	200	200	200		
15.	Academic Activity Fund	1000		1000		
16.	Digital Activity Fund	2000		2000		
17.	Group Medical Insurance	378				
18.	University Development Fund	1200				
	TOTAL (Sciences)	22778	3200	12200		
	TOTAL (Humanities)	20778		11200		

* In respect of 5 Years Intg. M.Sc Computer Science,

(i) fee to be paid for VII and IX semester will be as paid by 2 Year M.Sc Computer Science for III semester.**

(ii) fee to be paid for VIII and X semester will be as paid by 2 Year M.Sc Computer Science for IV semester.**

● Fee Table: M.Sc. / M.Tech Programmes offered by Dept. of Computer Science

(in ₹)

Sl. No	Item	Semester				Remarks
		I	II	III **	IV **	
1.	Tuition Fee	3000	3000	3000	3000	
	For Foreign Nationals/SAARC / Developing Countries	US \$ 350	US \$ 350	US \$ 350	US \$ 350	
	Developed Countries & NRIs	US \$ 500	US \$ 500	US \$ 500	US \$ 500	
2.	Registration Fee	300				
3.	Matriculation Fee	100				
4.	Recognition Fee	400				
5.	Sports Fund	500		500		
6.	Medical Examination / Facilities Fund	600		600		
7.	Library Fund	1500		1500		
8.	Computer Lab Fund	4000		4000		
9.	Amenities Development Fund	6000		6000		
10.	Students' Welfare Fund	400		400		
11.	Alumni Association Fund	200				
12.	Caution Deposit (Refundable)	2000				
13.	Industry Interface Fund	5000		5000		
14.	Placement Activity Fund	3000		3000		
15.	Academic Activity Fund	4000		4000		
16.	Field Study/ Tour Fund					
17.	Digital Activity Fund	2000		2000		
18.	Group Medical Insurance	142				
19.	University Development Fund	1200				
	TOTAL	34342	3000	30000	3000	

Payment of Fees

Students shall pay all the fees to the University at the time of admission. For the subsequent semesters, the fees should be paid within ten days from the beginning of each semester. Examination fees shall be payable on or before the last date prescribed in this regard. If the above dates fall on Saturdays or Sundays or any other holidays, the last date for payment of the above fees will be the preceding working day.

Differently abled students are exempted from payment of all fees, including examination fees. They should pay only the prescribed refundable caution deposits and Group Medical Insurance premium. However if they avail any scholarship from Government/ other agencies, they are not entitled from exemption of fees

SC/ST students who are eligible for Post-matric scholarships/Top class scholarships are permitted to pay the fees as soon as they receive the scholarship amount by submission of an undertaking to this effect at the time of admission. In any case, such SC/ST students should pay the fees within 90 days from the date of admission through the said scholarships failing which they have to pay the fees on their own or otherwise their admission stands cancelled.

The Account Number in which various kinds of fees/funds/deposits are to be remitted in the Indian Bank branch at the University campus is indicated against each. The facility of online payment is available. If a student does not pay the fee on time, late payment fine, shall be levied as follows at the time of payment:

- (i) 5.00 rupees per day for the first 10 days
- (ii) 10.00 rupees per day thereafter upto the last day of the month in which the fees is due.

The Vice-Chancellor, or any other officer on his behalf, to whom this power has been delegated, may relax any of the conditions for payment of fees in special cases, on recommendation of the Academic Advisory Committee. The names of defaulters shall be removed from the rolls of the University with effect from the first day of the following month. A student whose name has been struck off from the rolls of the University, under the above clause, may be re-admitted on the recommendation of the Dean/ HOD/ Coordinator of the Dept./Centre concerned and on payment of arrears of fees in full and other dues, together with a re-admission fee of ₹1000/- plus University Development Fund of ₹ 500/-.

Refund of fees, caution deposits, etc.

Caution deposit money is refundable, on an application from the student on his/her leaving the University, after deducting all dues against him/her.

If any student does not claim the refund of any amount lying to his/her credit within one calendar year of his/ her leaving the University, it shall be deemed to have been donated by him/ her to the Students' Aid Fund. The period of one year shall be reckoned from the date of announcement of the result of the examination taken by the student or the date from which his/her name is struck off from the rolls of the University whichever is earlier.

If, after having paid the fees, a candidate desires to discontinue he/ she shall be refunded all fees after deducting ₹1000/- provided he/she discontinues **on or before the date notified by the university.**

If a student owes any money to the University on account of any damage he/she may have caused to the University property, it shall along with outstanding tuition fees and fines, if any, be deducted from the security deposit due to him/her. These provisions shall not apply to students in the affiliated colleges.

Students shall not be issued hall tickets or allowed to appear for examination unless they have cleared their dues, paid the prescribed examination fee and produced a "No-dues" certificates.

FINANCIAL ASSISTANCE

FELLOWSHIPS/SCHOLARSHIPS OFFERED

BY UNIVERSITY:

Ph.D. Non-Net Fellowship-UGC*

All full time scholars admitted to Ph.D. programmes in the Schools/Departments/Centres of the University campus alone will be eligible for a fellowship of ₹ 8000/- p.m. and a contingency grant per year.

Scholarship for PG courses (Two and 3 years programs only)/ M.Sc and M.A Integrated courses:

Merit Scholarship*

(i) The first three candidates who secure the highest percentage of marks in P.G. admission entrance examination shall be eligible for the award of Merit Scholarship @ ₹2,000, ₹1,500 & ₹1,000 p.m. respectively for the first semester. Scholarship is sanctioned on the basis of entrance examination marks(#).

(ii) For the subsequent semesters the Merit scholarship at the same rate of ₹2,000, ₹1,500 & ₹1,000 p.m shall be awarded to the first three candidates who secure highest marks in the previous semester(SGPA).

Merit-cum-Means Scholarship(MCM)*

20% of the students in each P.G. degree programme are eligible for the award of MCM Scholarship of the University. The scholarship is based both on the merit in each semester(SGPA) and the parental income of the student. The annual income of the parents should not exceed ₹2,50,000/- (Rupees two lakh fifty thousand only). The amount of scholarship is ₹750/- p.m. For the 1st semester, scholarship is sanctioned on the basis of entrance exam marks.

Besides, for the award of scholarship, the candidates should also fulfill the following conditions:

- secure at least 70% attendance every month.
- pass in all papers registered for each semester.
- the Head of the Department concerned shall certify fulfillment of conditions i and ii.

Scholarships for M.Sc. Marine Biology & Disaster Management*

All selected candidates will be awarded a scholarship of ₹ 1000/- p.m. to study these courses at Port Blair, Andamans.

* An Undertaking should be given by the scholar/student saying that in case he/she leaves the Ph.D/PG programme in between before submission of the thesis/before the course completion, he/she will reimburse the entire amount to the University.

Conditions apply

Note:

- The students are eligible for only one scholarship.
- The award/continuance of any scholarship is subject to satisfactory progress and performance, proper conduct, fulfillment of attendance criteria, etc.

FELLOWSHIPS / SCHOLARSHIPS / OFFERED

BY OTHER AGENCIES:

Junior Research Fellowship

UGC / CSIR NET qualified JRFs are eligible to receive fellowships. They are also eligible for a contingent grant as per UGC rate. The award of fellowship and contingency grants are subject to approval by the UGC / CSIR.

N.B.H.M. Scholarship

The National Board for Higher Mathematics, Mumbai (Department of Atomic Energy) provides scholarships for those students who clear the NBHM examination.

Government of India SC/ST/OBC Scholarship

The governments of various states provide Government of India Scholarship to candidates belonging to the SC/ST/OBC communities.

Rajiv Gandhi National Fellowship / Maulana Azad National Fellowship

The UGC provides Rajiv Gandhi National Fellowship for SC/ ST & OBC scholars and Maulana Azad National fellowship for minority scholars who pursue Ph.D. programmes. Every year, the UGC notifies the eligibility and other conditions for the award of the said fellowships.

Indira Gandhi Scholarship for Single Girl Child

The UGC provides Indira Gandhi scholarship for Single Girl Child for eligible students pursuing PG programmes.

PG Merit Scholarship for University Rank Holders*

The undergraduate level rank holders of different universities are eligible for this Scholarship to pursue their Master's Degree.

Government of Puducherry Fellowship / Scholarship Merit and Merit-cum-Means Scholarship

The Government of Puducherry awards Merit and Merit-cum-means scholarships for students belonging to the U.T. of Puducherry enrolled in various courses of the University.

The Government of Puducherry provides ten fellowships to residents/

natives of Puducherry @ ₹3,000/- per month to ten students admitted to the M.Sc. Biotechnology programme in the Department of Biotechnology through GAT-B score.

Madanjeet Singh Group Scholarship

Full scholarships are given to 16 students per annum to pursue M.Tech (Green Energy Technology) and 16 students per annum to pursue M.A(South Asian Studies) from the member states of SAARC countries covering living expenses (₹12,500 p.m), annual contingency of ₹10,000/- free hostel accommodation in campus and tuition fees.

GATE Scholarship

The UGC provides scholarship for GATE qualified M.Tech students.

DBT Fellowship

Students admitted to the following programmes through GAT-B score are eligible to get DBT Fellowship:

M.Tech. Computational Biology - Rs.12,000/- PM

M.Sc. BioTechnology - Rs. 5,000/- PM.

HOSTELS

At present, Pondicherry University has twenty one hostels in the campus, of which, thirteen are for boys and eight for girls. Out of the thirteen boys' hostels, nine are for PG students and four for research scholars. Out of the eight girls' hostels, seven are for PG students and one is for research scholars. The Karaikal campus has three hostels two for boys and one for girls. One boys hostel and one girls hostel is available at the Port Blair campus also.

Hostel Admission

Since limited hostel facility is available, hostel accommodation will be given to one third of the students admitted in each course. Hostel admission will be given on merit basis, based on the recommendations of Head of the Department, subject approval of the Chief Warden and availability of rooms. Preference will be given to students coming from distant places.

Hostel fees

Refundable: A caution deposit of Rs.3,000/- (for Indian nationals) is to be paid while joining the hostels. This will be refunded after the inmate vacates the hostel by means of account transfer/ account payee cheque, subject to surrender of the original challan after deducting dues, if any. Open cheque will not be issued under any circumstances. Therefore, students must necessarily open their bank accounts in Indian Bank, Pondicherry University Branch.

Non - Refundable: The hostel fees is to be paid every year at the beginning of the academic year in June/ July as follows (Subject to revision):

- P.G students - ₹ 1000/- p.a.
- Ph.D - ₹ 2000/- p.a.
- General Amenities Fund - ₹ 700/- p.a.
- Establishment Charges - ₹ 300/- p.a.
- Application Fees (at the time of admission only) - ₹ 75/-

No room rent is charged by Pondicherry University for SC/ ST students (copy of community certificate duly attested by a Gazetted Officer is to be produced). Rent free accommodation is provided to differently-abled students. Differently-abled Students have to pay their Mess Fees and then claim for subsidy from the University hostels (copy of Disability Certificate duly attested by a Gazetted Officer is to be produced to avail this facility).

However, they have to pay all other fees like Application for admission, General Amenities Fund, Establishment charges, Caution Deposit.

Duration of Stay

PG – 2 years, Ph.D-4 years, Integrated - 5 years from the date of admission to the hostel.

Note: Except research scholars, all students must vacate the hostel during summer and winter vacation. Disciplinary action will be taken against those hostellers who do not pay their dues on time. Students must obtain No Dues certificate for Mess & Room Rent from the Hostel Office before writing their semester exams, producing challans for payment of Hostel fees and dues. Those who avail bank loan must keep their original challans of caution deposit for claiming refund while vacating the hostel, and photo copies of other challans with bank seal.

Discipline

All hostel-related communications from the hostel inmates to the University authorities shall be routed through the proper channel, i.e. through the wardens of the respective hostels and Chief Warden. Any subversive activity, misdemeanor, obnoxious behaviour, flouting of hostel rules & regulation, misconduct, disobedience, ragging, failure to clear dues, etc. shall be severely punished, and even result in dismissal from the hostel as well as from the department by the University authority whose interpretation of the rules shall be final.

A set of rules and regulations applicable to the inmates of the hostels will be given to each student at the time of admission into hostel.

Consumption of alcohol and narcotics is considered as a serious offence. Therefore, intoxicating drugs or liquor should not be consumed in the campus. Smoking in the hostel premises is prohibited. Fire-arms should not be brought to the hostel in any case. Such acts will mean immediate expulsion of the resident from the hostel. Accommodating outsiders/passed out students in the hostel leads to trespassing and such students will be handed over to the police for prosecution. Therefore inmates must be careful before entertaining outsiders.

As per the University hostel rules & regulations under clause 10.24, damaging University / public property is illegal. It will be considered as an act of indiscipline and misconduct, and will be punished under Prevention of Damage to Public Property Act, 1984

Mess

Dining in the hostel mess is compulsory for hostel students. No permission will be granted for dining outside the hostel mess under any circumstances. Subramania Bharathi Hostel and Bharathidasan Hostel are managed by the research scholars and the rest of the mess are outsourced. Five well-equipped mega mess (three for boys & two for girls) are available for dining by Hostel residents the use of the University. The hostel mess are run

by experienced and qualified caterers. The mess offer meals at reasonable rates.

Mess Fees

The mess fee is to be paid in two instalments at the beginning of each semester in a year i.e. June and January. The mess fees

for Girls (per day per head)

- PG Students : Rs. 74
- Ph.D. Scholars : Rs.76

for Boys (Per day per head)

- PG Students : Rs. 74
- Ph.D. Scholars : Rs. 76

If Ph.D scholars fail to pay the hostel mess fee within the stipulated time, the fees may be recovered/deducted directly from the scholar's stipend / fellowship /JRF/SRF. They also will be evicted from the University hostel,

Ragging

Ragging or teasing in any form is strictly prohibited in the University. Students are therefore, forbidden from indulging in such activities within the hostel premises. Ragging will invite very severe punishment including expulsion from the University. It is also punishable under law. No introductory meeting of the students is to be held in the hostels by the senior students.

General facilities

The University Health Centre offers medical facilities round-the-clock to the students residing in the hostels. For the mobility of the students from hostels to departments, Library, Computer Centre, etc., bus facility is provided within the campus. Wifi connectivity is also provided to all the hostels to enable the students to have internet access.

*** Detailed Pondicherry University Hostel rules & regulations are available in the hostel office and in the University website.**

CONDUCT & DISCIPLINE

Pondicherry University has zero tolerance towards

(a) Ragging

(b) Sexual Harrasment

Students enrolled in Pondicherry University must abide by their duties and responsibilities to the University, to faculty and to other students. Failure to maintain appropriate standards of conduct will attract disciplinary action.

Students should not bring mobile phones to the Seminar Halls, Research Labs and Examination Halls and should not use mobile phones in the classroom.

Misconduct

Students' misconduct includes but is not limited to the following:

- disruption of classroom activity or hindering the learning of other students anywhere in the University;
- copying / cheating in examinations and assignments;
- behaviour which interferes functioning of the University, disrupts education, endangers the health or safety of staff or students, or damages any property within the campus including University property;
- posting posters or conducting students' meetings / protests / processions within the campus without prior permission of the University authorities;
- the possession or use of intoxicating beverages inside the campus;
- the possession or use of illicit drugs inside the campus;
- the falsification of documents or providing false information in order to obtain admission to classes;
- the possession of weapons; and
- the failure to return loaned materials or settle dues to the University

Disciplinary Measures

Disciplinary action may include:

- Reprimand or warning;
- fail mark for an assignment or course;
- suspension for a semester or more
- withholding of official transcripts;
- suspension of campus privileges including hostel accommodation;
- suspension or expulsion from the University;
- any other disciplinary action which the University authorities deem appropriate in the circumstances.

Prohibition of Ragging

Ragging in any form is strictly prohibited.

Senior students are not permitted to invite their juniors to their rooms for any introduction meetings.

In the past, six students (hostellers) who were involved in ragging were expelled from the hostel for a period of one year.

Redressal Mechanisms

The Anti - Ragging committee of the University consists of all Deans. The list of members with their contact numbers is available on the University website

1) Anti-Ragging Committee

Students can report any incident of ragging to the Registrar/Deans of respective Schools/Dean of Students' Welfare/ Chief Wardens (Boys & Girls) directly for remedial action

2) Students' Grievances Redressal Cell

Students can report any grievances directly to the Dean, Students' Welfare for redressal.

3) Sexual Harassment Prevention Committee (SHPC)

The University has an SHPC and the list of members with their contact phone numbers is available on the University website. Any sexual harassment complaint can be reported to the Chairperson or any member of SHPC for redressal or can be recorded in the register kept for this purpose in the Registrar's office

4) Women's Cell

Grievances relating to gender bias and discrimination affecting women in the campus can be reported to the Head of Women's Cell and the list of members of the cell with their contact phone numbers are available on the University website.

5) Legal Services Clinic

'Legal services clinic' is setup in Pondicherry University for the students of the institution and especially for the students hailing from North Eastern states

DEPARTMENT OF PHYSICS

School of Physical, Chemical and Applied Sciences



The Department of Physics was established in June 1987. The Department offers 5-year integrated master's, traditional 2-year master's, and doctoral programs in Physics. The Department has been recognized for special funding by DST under the Fund for Improvement of Science and Technology Infrastructure (FIST-Level II) and UGC-SAP DRS-II Programmes. The faculty members have obtained major research grants exceeding Rs 26 crores from different funding agencies such as DST, AICTE, UGC, IFCPAR, NBHM, DRDO, DAE, INSA, CSIR, and NAB. The research activities have resulted in more than 800 research papers published in peer-reviewed journals, including nine patents. The faculty members have received national and international awards and are fellows of national academies. In addition, they are members of the national and international scientific advisory committees and referees of national and international journals. Our faculty members are involved in collaborative research projects with leading scientists in various laboratories and industries in India and abroad. All faculty members are recognized supervisors for guiding PhD candidates. Please refer to the website for more information. <https://www.pondiuni.edu.in/departments/departments-of-physics/>

● PROGRAMMES OF STUDY

1. MSc (Physics) - 2 years duration, with following specializations: -

- (a) Condensed matter physics
- (b) Electronics
- (c) Laser Physics
- (d) Astrophysics (in collaboration with Indian Institute of Astrophysics)

Eligibility: BSc degree in Physics with Mathematics and Chemistry as ancillaries and a minimum of 55% of marks is required.

2. Five-year Integrated MSc (Physics)

Eligibility: 10+2 school completion certificate from any central/state board with mathematics, physics, and chemistry as the main subjects with a minimum of 50% of marks is required.

3. PhD (Physics) - Full-time

Eligibility: MSc degree in Physics / Materials Science & Technology with a minimum of 55% marks is required.

We follow the choice-based credit system (CBCS). The course curriculum aligns with the national-level examinations such as GATE and CSIR-NET. Hence, it is comfortable for students to clear national-level tests and gain admission to doctoral programs. An extensive collection of textbooks and reference books in Physics is available in the central library. In addition, several research journals in Physics are available through the library's online access. Please visit the web pages below for more details on CBCS rules, course curriculum (syllabus), and library. <https://www.pondiuni.edu.in/pu-syllabus/>
<https://www.pondiuni.edu.in/regulations/>,
<http://lib.pondiuni.edu.in/>

ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

RESEARCH AREAS

Experimental Physics

Materials for high energy density battery, Solid-state ionics
Glass-ceramics & Spectroscopy, Fuel cells, Nonlinear optical materials, Magnetism and magnetic materials, Nanomaterials, Plasma physics and Nonlinear dynamics, Thin films and Plasmonics, Spintronics, multiferroics & photovoltaics, Thermal plasma materials processing, Plasma arc gasification

Theoretical Physics

Nonlinear optics, Laser dynamics, Computational fluid dynamics, Computational biophysics, Statistical mechanics, Quantum information science, Atomic physics, Ab-initio DFT simulations of materials, Quantum mechanics and Field theory.

INFRASTRUCTURE FACILITIES

Powder XRD, Glancing incidence XRD, Atomic force microscope / STM, Differential scanning calorimeter, Vibrating sample magnetometer, Susceptibility meter, FT-IR spectrophotometer, DC magnetron sputtering system, Impedance analyzer (40 MHz), LCR meter with a cryostat (80 K), Particle size analyzer, Surface area analyzer, Glove box, Battery cycle tester, High-temperature furnaces, Spinner magnetometer, Multifrequency ultrasonic interferometer, Nd-YAG laser, Titanium Sapphire laser, Computing cluster (4 nodes), Quantum ATK atomic-scale modeling software, VASP software for ab-initio DFT calculations, MATLAB for numerical computations, MAPLE for analytical calculations.

In addition, advanced research facilities accessible to the Department of Physics are available in the Central Instrumentation Facility. For more details, visit : <https://www.pondiuni.edu.in/department/central-instrumentation-facility/>

FACULTY

Professor & Head

R Sivakumar, PhD (IIT Madras)

Specialization: Theoretical nonlinear optics, Computational fluid dynamics, Hydrogen storage and Fuel cells

Professors

Ramaswamy Murugan, PhD., FASCh (Pondicherry University) [on EOL]

Specialization: Materials for lithium batteries, Spintronic and multiferroic materials

V V Ravi Kanth Kumar, PhD (S V University, Tirupati)

Specialization: Photonic crystal fibers, Glass / glass-ceramics, Spectroscopy, Experimental condensed matter physics

S Sivaprakasam, PhD (University of Hyderabad)

Specialization: Laser Dynamics

Associate Professors

A Ramesh Naidu, MPhil., PhD (University of Hyderabad)

Specialization: Computational neuroscience, Theoretical and computational physics

S V M Satyanarayana, PhD (IGCAR Kalpakkam)

Specialization: Computational biophysics, Statistical mechanics, Nonlinear dynamics, Quantum information science

Alok Sharan, PhD (IIT Kanpur)

Specialization: Experimental Nonlinear Optics, Computational Electromagnetics

Rabindra Nath Bhowmik, PhD (Jadavpur University / Saha Institute of Nuclear Physics)

Specialization: Magnetism and magneto-transport phenomena

Suraj Kumar Sinha, PhD (Institute for Plasma Research, Gandhinagar)

Specialization: Plasma Physics.

D Bharathi Mohan, PhD (University of Hyderabad)

Specialization: I-VII Semiconductors, Plasmonics and Solar cells

K V P Lata, PhD (Indian Institute of Astrophysics)

Specialization: Atomic Physics, Ab-initio electronic structure calculations, CP Violation beyond the standard model, Theoretical simulations of dust around active galactic nuclei, Theoretical study and simulations of 2D materials

Gangineni Ramesh Babu, PhD (Technical University / IFW Dresden, Germany)

Specialization: Spintronics, Multiferroics

Assistant Professors

B Muthukumar, PhD (Saha Institute of Nuclear Physics)

Specialization: Quantum mechanics, Field theory on non-commutative spaces

UGC-Assistant Professor

Yugeswaran Subramaniam, PhD (Bharathiar University)

Specialization: Thermal plasma processing, Advanced coatings, Waste treatment and Clean energy

DEPARTMENT OF CHEMISTRY

School of Physical, Chemical and Applied Sciences



The Department of Chemistry ranks among the distinguished in providing the opportunity to acquire a thorough knowledge of all fundamental aspects of chemistry. There are lecture courses covering all the essential elements of chemistry, and many more specialized courses, including analytical, computational, nano, polymer, and synthetic chemistry. Laboratory experience is provided in analytical methods, inorganic and organic synthesis, quantum chemical modeling, and spectroscopy. The department encourages interdisciplinary and original work in laboratory projects. Beyond the formal lecture and laboratory courses, the department gives equal importance to create the necessary intellectual environment favorable for research. Besides hosting annual symposiums and invited talks, the department frequently hosts various seminars and conferences of national and international gatherings, which are a rich source of new knowledge.

Vision and Mission

- Explore and advance new chemical frontiers bordering life sciences, physical sciences, medicine, environment, and materials through innovation and collaboration.
- Discover, create and understand chemical phenomena.
- Design and model biomimetic systems.
- Create advanced matter for energy storage, bond activation, and Green chemistry.
- Connect and correlate quantitative electronic structure with abstract chemical bonding.
- Inspire a knowledge platform that supports an inventive culture.
- Educate future leaders about how chemistry is central to all sciences.

Research Activities:

Since its inception in 1989, the department has been engaged in imparting quality education with a penchant for research. Several thrust research areas in chemistry are explored with vigor. Frequently, our research crosses traditional boundaries and engages other disciplines from Pondicherry University and external stakeholders across a range of sectors. The importance of the department's research in the real world is exemplified by our many industrial collaborations and successful start-ups. Major research topics of the department are as follows:

Catalysis:

- Development of catalysts for the synthesis of small molecules, novel materials and polymers • metal mediated homogenous and heterogeneous catalysis • organocatalysis • mechanistic investigations of catalysis using theory and computation.

Synthesis:

- Stereoselective organic synthesis • synthesis of small molecules and heterocycles for drug discovery • synthesis of natural products and natural product like molecules • synthesis of ligands for metal-catalyzed reactions • synthesis of supramolecular architectures • synthesis of complex organic molecules involving domino and green processes • synthesis of organometallic compounds • development of new synthetic methodologies.

Chemical Biology:

- Our collaborative research areas are • understanding biology at the molecular level • molecular basis of biological mechanism • mechanistic studies of metalloenzyme redox catalysis • small molecule activation at metal centers in enzymes • creation of hit-lead-probe-drug candidates • molecular strategies in targeted delivery.

Dynamics and mechanism:

- Investigation of gas-phase kinetics and reaction dynamics through theoretical and experimental protocols to understand the molecular collisions at the most fundamental level.

Functional materials and interfaces:

- Our expertise spans the discovery, understanding and development of theory for materials, providing solutions for energy, healthcare, electronics, and catalysis.

Computational chemistry and modeling:

- Core research activities range from fundamental studies of quantum theory in condensed matter, chemical reaction dynamics, and electronic processes in macromolecular systems to computational soft and biological matter • computer simulation of novel materials • applied computational research in inorganic and organic chemistry.

Programs of Study:

The Department of Chemistry, Pondicherry University, offers teaching and research programs, namely, 5-year Integrated M.Sc. Chemistry (a five-year program), M.Sc. Chemistry, (a two-year program) and Ph.D. Chemistry (fulltime/part-time).

Objectives:

- To provide a strong foundation in fundamentals of chemistry through the above-said programs. • To develop human resources with high professional competence, work ethics, and human values.
- To develop skills for carrying out research in cutting-edge areas of chemistry, which are both basic and applied in nature, on par with international standards.
- To impart diversified, integrated, interdisciplinary knowledge and skills.
- To allow students to acquire skills and expertise in the areas relevant to their research interests.
- To provide all the students with relevant and valuable researcher development training opportunities to broaden their horizons and adequately equip them for further opportunities and employment.

Admission to Programs:

5-year Integrated M.Sc. Chemistry is a ten-semester program enabling students to explore the links between the subject and the related sciences. All students take the core courses, and opportunities to specialize are available in the later stage of the program. The fifth-year is devoted exclusively for research.

- **Minimum Qualification:** 10+2 school completion certificate from any central/state board with 50% of marks and should have

studied Physics, Chemistry, and Mathematics as main subjects.

- **Admission Procedure:** Admission will be based on the Common Universities Entrance Test, CUET (UG), 2022.

M.Sc. Chemistry is a two-year program that offers the right proportion of theory and laboratory-based courses. Theory courses are offered at two levels and are spread over four semesters. Classroom learning, interaction with peers and faculty, problem-solving approach, and integration with an online learning management system are features of the program.

• Minimum Qualification:

Bachelor's degree in Chemistry or equivalent from any UGC recognized university/college with a minimum of 55% marks in Part III. Candidates should have studied mathematics at the +2 level.

- **Admission Procedure:** Admission will be based on the Common Universities Entrance Test, CUET (PG), 2023.

Ph.D. Chemistry offered by the Department of Chemistry, in full-time/part-time modes, provides the research scholars an opportunity to work with the faculty of the department in one of the following areas of chemistry by joining a research group: solid-state chemistry and inorganic materials, coordination chemistry, analytical chemistry, bioinorganic chemistry, bioorganic chemistry, organometallic chemistry, supramolecular chemistry, synthetic organic chemistry, carbohydrate chemistry, photochemistry, polymer science, homogeneous and heterogeneous catalysis, green chemistry, nanochemistry, quantum chemistry, computational chemistry, cheminformatics, reaction dynamics, molecular and magnetic resonance spectroscopy.

Doctoral research in the department has continuous financial support from various resources. Those without CSIR-UGC NET fellowships of their own get help from projects from multiple funding agencies or the university. New students have to enroll in fundamental courses and begin research shortly after joining. They usually complete their thesis work in about five years or less. Since teaching is an excellent learning method, all research scholars must also be graduate student instructors for two to three semesters.

• Minimum Qualification:

Master's degree in chemistry/chemical sciences or equivalent from any UGC recognized university/college with a minimum of 55% marks. Candidates possessing a degree in other related areas of chemistry, such as M.Sc. materials chemistry, M.Sc. industrial chemistry, M.Sc. biochemistry, are also considered for admission but only to specific research groups. Candidates wishing to apply for the fields of physical chemistry should have studied mathematics at +2 level, and those for theoretical chemistry should have studied allied mathematics at B.Sc. level. For organic and inorganic chemistry fields, mathematics at +2/B.Sc. level is not mandatory.

- **Admission Procedure:** Admission to this program is through a common entrance examination with the question paper having 100 multiple choice questions distributed in all the sub branches of chemistry at the postgraduate level. Shortlisted candidates are interviewed and evaluated for their research aptitude. Cumulative marks from the entrance examination and the interview are considered for admission. Prospective students with CSIR-UGC JRF are exempted from the entrance test and may appear directly for the interview.

Research Funding and Facilities:

Currently, the department has sixteen faculty members with expertise in diverse frontier research areas. Aided by reputed funding agencies like DST, SERB, CSIR, UGC, etc., the research is frequently published in reputed international journals and led to several patents. Apart from the sponsored research projects awarded to individual faculty members, the department is also supported by the Department of Science & Technology (DST) through FIST (Level-I) program and by the University Grants Commission through UGC-SAP (DSA-I) for the purchase and maintenance of instruments, and infrastructure development in laboratories to augment the research activity. The major facilities available in the department are: HR-ESI-MS, Single-crystal XRD, FT-IR, HPLC, C/H/N/S analyzer, UV-Vis spectrophotometer, fluorescence spectrometer, and electrochemical workstations. In addition to these, the Central Instrumentation Facility (CIF), Pondicherry University, hosts numerous advanced level instrumentation such as 400 MHz NMR, SEM, TG-DTA, PPMS, XPS, HRTEM etc., which can be readily accessed by the research scholars of the department. The department has an excellent computational facility and computer networking with both intra- and internet facilities. This computational center provides the necessary infrastructure for theoretical and computational research activities. Each research group has individual laboratory space, fume hoods, essential laboratory equipment, anaerobic facilities, specialized equipment and others.

Placement and Future Prospects:

After the master's program, most students successfully clear various competitive exams such as CSIR-NET, GATE, GRE (Chemistry), and similar entrance tests and pursue research in various prestigious institutions in India and abroad. A good number of students also find placement in major pharmaceutical and chemical manufacturing industries, and also in academic institutions. Research scholars have opportunities for post-doctoral positions in various international and national institutes.

FACULTY

Professor & Head

Bala. Manimaran, Ph.D. (IIT-Bombay)

Specialization: Organometallics, Nanoscale Materials and Supramolecular Chemistry

Professors

K. Anbalagan, Ph.D. (University of Madras)

Specialization: Nanomaterial Photocatalysis, Inorganic Photochemistry, Nanosized Ferromagnetic materials, Surface Adsorption Dynamics.

K. Tharanikkarasu, Ph.D. (University of Madras)

Specialization: Controlled Radical Polymerization, Anionic Polymerization, Fuel Cell Membranes, Nanocomposites, Anti-TB and Anti-Malarial agents.

R. Venkatesan, Ph.D. (IIT-Bombay)

Specialization: Applied Material Chemistry, Photochemistry, Electrochemistry, Computers in Chemical Education.

C. Sivasankar, Ph.D. (IISc, Bangalore)

Specialization: Catalysis, Organometallics, Bioinorganic and Computational Chemistry.

M. Bakthadoss, Ph.D. (University of Hyderabad)

Specialization: Stereo Selective Organic Synthesis, Heterocyclic Chemistry, Green Chemistry, Asymmetric Synthesis.

G. Vasuki, Ph.D. (Madurai Kamaraj University)

Specialization: Green chemistry, Stereoselective Synthesis, and Chemistry Education (Constructivist Learning).

N. Dastagiri Reddy, Ph.D. (IIT-Kanpur)

Specialization: Main-group organometallics and homogenous catalysis.

M. M. Balakrishnarajan, Ph.D. (Bharathidasan University)

Specialization: Chemical Information Sciences, Computational Chemistry

C. R. Ramanathan, Ph.D. (University of Hyderabad)

Specialization: Asymmetric synthesis, drug design and discovery.

Binoy Krishna Saha, Ph.D. (University of Hyderabad)

Specialization: Crystal Engineering, Host-guest Chemistry, Polymorphism, Thermal Expansion, Solid-state materials.

Associate Professors

S. Sabiah, Ph.D. (IIT-Madras)

Specialization: Bio-inorganic chemistry, Coordination Chemistry, and Metal-carbene Chemistry.

Toka Swu, Ph.D. (Nagaland University)

Specialization: Material Science, Coordination Chemistry.

R. Padmanaban, Ph.D. (University of Hyderabad)

Specialization: Quantum Dynamics, Excitation energy transfer.

P. Thanasekaran, Ph.D. (Madurai Kamaraj University)

Specialization: Photochemistry, Materials chemistry, and Chemical biology.

Dr. Jeyakumar Kandasamy, Ph.D. (IIT-Madras)

Specialization: Synthetic organic chemistry, Carbohydrate synthesis, Medicinal chemistry

(For more information visit <https://chempu.ac.in>)

DEPARTMENT OF EARTH SCIENCES

School of Physical, Chemical and Applied Sciences



The Department of Earth Sciences at Pondicherry University was started in September 1994. The Department is being supported by DST-FIST Programme. A national facility for geochronology and isotope geosciences is housed in the Department. The Department strives to achieve academic excellence and to produce geoscientists with world class training.

● PROGRAMMES OF STUDY

M.Sc. Applied Geology (2 year)

M.Sc. Geophysics (2 year)

Integrated M.Sc. Applied Geology (5 year)

These M.Sc. courses are designed to develop basic understanding of the earth and earth processes, as well as, skills to apply this knowledge to solve problems of global and national importance. The curriculum includes theory courses offered by experienced faculty, practical courses with world class laboratory facilities, intensive field training at the best locations in the country, and a project work supported by sophisticated equipment.

Ph.D. Earth Sciences

(Full – time, part time (Internal & External))

The research programme includes course designed to develop research orientation, and supervised research work in conventional, as well as, emerging areas of geosciences. State of the art research facilities, including XRD, ICP- OES, ICP-MS, TIMS, IRMS, Geophysical laboratory optical microscopes and heating –freezing stage are available in the Department. Additionally, XRF, EPMA, confocal Laser Raman Spectrometer and other sophisticated research equipment useful for geo scientific research are available in the Central Instrumentation Facility

● ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

INFRASTRUCTURE FACILITIES

The Department has well equipped laboratories with sophisticated equipment to cater to the needs of the practical course-work of M.Sc. students as well as for research. Major facilities available in the Department are listed below:

Mineralogy, Petrology & Paleontology Laboratories:

Student and Research model Polarizing Microscopes with Photographic facility heating-freezing stage for fluid inclusion Analysis Stereoscopic zoom microscopes, Laser Particle Size Analyser, X-ray Powder Diffractometer, Isodynamic Magnetic Separator are available in the Department. SEM, XRF and EPMA are available in CIF to support paleontological / mineralogical / petrological studies.

Museum: The Department has a Geology museum with a collection of about 800 rock forming minerals, ore minerals, industrial minerals, various type of rocks and fossils.

Geochemical Laboratory: Advanced analytical facilities like ICP-OES, ICP-MS are available. This laboratory also has other minor equipment like Furnace, Electronic balance, Spectrophotometer, Flame photometer, Conductivity meter, pH meter, MilliQ Water Purifier etc.

Isotope Geoscience Laboratory: Thermal ionization mass spectrometer with ultra-clean laboratory to carry out Rb-Sr, Sm-Nd and U-Th-Pb geochronological and isotope studies is available. This laboratory is also used for cosmogenic isotope studies (^{10}Be , ^{26}Al) in collaboration with IUAC, New Delhi.

Computing and Remote sensing & GIS Facility: Adequate number of PCs with internet connectivity through University intranet and online access for large number of journals and other e-sources. ERDAS, ArcGIS, ENVI-IDL, Total Station Microsurvey CADD2010 softwares and digital satellite imageries for remote sensing and GIS applications are available.

IRMS Laboratory: For measurement of stable isotope composition of H, C, O, S, in a variety of sample (water carbonates, sulphides Organic Matter etc) a lab is established as a central facility.

Field Equipment: Global positioning system, Survey equipment, SLR and Digital cameras are available to carryout geological field studies.

Geoscience Workshop: Rock cutting machine, thin section preparing machine, Mounting machine for polished ore blocks are available for preparing thin sections and ore mounts. Ball mill and Planetary mill with agate grinding sets, Automatic sieve shaker are available for sample preparation.

Geophysics Laboratory: Digital refraction seismic timer with geophone, Terrameter, Portable magnetometer and Resistivity meters are available.

Topographic maps and Geological maps: Large collection of topographic maps in 1: 50000 scale covering southern states of India and geological maps of Indian states, districts and important

mineral deposits in various scales have been procured.

RESEARCH ACTIVITIES

The research areas offered by the Department are Petrology (Igneous, Metamorphic & Sedimentary), Geochemistry, Isotope Geochronology, Ore Geology, Tectonics, Metamorphic Petrology and Paleoclimate studies, Hydrogeology, Remote Sensing & GIS and Geophysics. Interdisciplinary research with the Departments of Chemistry and Physics are being actively pursued in the fields of EPR spectroscopy of minerals and paleomagnetism. Inter-institutional collaborative research involving IITs, and PRL are also in progress. Presently, 25 full-time and 2 part-time scholars are working for Ph.D. All the faculty have research projects funded by DST, CSIR, UGC, PRL, BRNS, PLANEX etc. Recognising the research capability of the Department, DST has provided funds under FIST programme (₹ 50 lakhs) for the Second Phase recently.

Tectonic-Petrological-Geochronological Research

A variety of studies, such as, Archean crust-mantle evolution, early oxygenation of the Earth, tectonic evolution ancient orogenic belts and Precambrian granulitic terranes, petrogenesis of important igneous provinces of India, origin of Proterozoic sedimentary basins and provenance of modern and ancient fluvial, deltaic and beach sediments and water-rock interaction studies are being carried out. Rb-Sr, Sm-Nd and Pb-Pb isotope compositions on whole-rock and mineral separates are being routinely analyzed using a clean isotope geochemistry lab and Thermal Ionization Mass Spectrometer (TIMS, Triton - model of Thermo-Finnigan) and LA-ICPMS. ^{10}Be and ^{26}Al isotope studies are undertaken to estimate denudation and sedimentation rates.

Ore Geology

There are active research programmes on the study of well known ore deposits in India and Russia to understand the environment and process of ore formation. These research programmes are supported by well equipped optical microscopy, fluid inclusion, XRD and LA-ICP MS labs in the Department and EPMA, WD-XRF and Laser Raman Microprobe in the Central Instrumentation Facility.

Stable isotope (hydrogen, carbon, nitrogen, oxygen and sulfur) analysis of carbonate, sulfide and sulfate ore minerals is also carried out using IRMS for understanding processes of ore formation.

Rock Weathering and Sediment Geochemistry

The research includes study of elemental, including REE, redistribution during the surface earth processes and its use in provenance and tectonic interpretations. The study of micro and macro-level geochemical and mineralogical changes in different rock types weathering under different climatic regimes is also being carried out. The research is carried out in well equipped laboratories with facilities for chemical digestion of geological samples and elemental analysis by ICP-MS, ICP-AES and EPMA

Paleoclimatology and climate studies

The research involves reconstruction of the past climate

employing chemical and isotopic studies of various proxies such as lacustrine and deltaic sediments. The research work is supported by IRMS, particle size analyzer, XRD etc.

Remote Sensing and GIS

The research activities involved are lithological discrimination and mineral targeting using hyperspectral remote sensing and Planetary Geology. The lab is equipped with computational facilities to do image processing and GIS related work. Software – ERDAS Imagine 10, ENVI4.7, ARCGIS are available.

Micropaleontology

Research at post-graduate and PhD level is offered and the laboratory is equipped with Wet laboratory, Stereozoom Microscopes and SEM with all other essential facilities.

Geophysics

The Research activities includes the mapping of the Earth's structure using different geophysical aspects like gravity, seismic, seismology, magnetic, computational Geophysics etc. To understand the complex structure of the Earth different modern techniques of imaging like Ambient Noise Tomography, Receiver Function Modelling, Joint Inversion of Seismological, Gravity and Magnetic data are used. There is also facility of Proton Precession Magnetometer and "Oasis Montaj" software for ground magnetic studies for the crustal modeling.

Geohydrology

To improve conceptual understanding of hydrogeological systems from local to regional scale, our research focuses on quantitative and qualitative analysis in water chemistry, contamination investigations, urban hydrogeology, groundwater modelling, exploration, recharge, quality issues, surface water-groundwater interactions, applications of hydrological and chemical tracers, coastal aquifer dynamics, biogeochemical interactions, machine learning, remote sensing, and GIS applications. The research aims to ensure better water for humanity towards equity in water security and solving the water-food-energy nexus. The research is supported by a well-equipped hydrogeology laboratory with equipment like UV spectrophotometer, flame photometer, radium and radon detector, signal averaging resistivity meter, multi-parameter water quality analyzer, modelling software like GMS, ARCGIS, and statistical analysis.

ONGOING DEVELOPMENTS:

Several new facilities for Geophysics laboratory are in the process of procurement.

PLACEMENT OPPORTUNITIES

The academic curriculum of the Department helps a good number of students to qualify in national level competitive examinations including NET, GATE, and to find placement in major geoscientific organizations like AMD, GSI, CGWB, NHPC, ONGC, etc. Private companies also recruit students through on and off campus placements.

FACULTY Professor & Head

Rajneesh Bhutani, Ph.D.

(Physical Research Laboratory, Ahmedabad)

Specialization: Isotope Geology, Geochronology, Geochemistry.

Professors

M. S. Pandian, Ph.D. (Indian School of Mines, Dhanbad)

Specialization: Economic Geology, Mineral Exploration.

D. Senthil Nathan, Ph.D. (IIT, Kharagpur)

Specialization: Paleontology, Sedimentology.

Pramod Singh, Ph.D.

(Jawaharlal Nehru University, New Delhi)

Specialization: Geochemistry, Sedimentology, Paleoclimate.

K. Srinivasamoorthy, Ph.D. (Annamalai University)

Specialization: Hydrogeology, Remote Sensing and GIS.

Subhadip Bhadra, Ph.D. (IIT, Kharagpur)

Specialization: Structural Geology, Metamorphic Petrology.

Nurul Absar, Ph.D.

(Aligarh Muslim University, Aligarh)

Specialization: Sedimentary Geochemistry, Precambrian

Assistant Professors

S. Lasitha, Ph.D. (Cochin University of Sci. & Tech.)

Specialization: Geophysics (Seismology & Gravity).

Manisha Kumari, Ph.D.

(Mohanlal Sukhadia University, Udaipur)

Specialization: Palaeontology, Stratigraphy, Micropalaeontology, Crustal Evolution, Sedimentology.

K. N. Kusuma Ph.D. (IIT Bombay)

Specialization: Hyperspectral Remote Sensing, GIS, Planetary Geology, Geomorphology.

G. Gnanachandrasamy, Ph.D (Annamalai University)

Specialization: Hydrogeology, Remote Sensing & GIS, Environmental Geochemistry

Janisar A.M. Sheikh, Ph.D. (IIT Bombay)

Specialization: Igneous Petrology, Mineralogy, Geochemistry, Volcanology.

Amitava Chatterjee, Ph.D. (Hiroshima University, Japan)

Specialization: Metamorphic Petrology, Geochronology & Precambrian Tectonics.

Ashutosh Pandey, Ph.D. (BHU, Varanasi)

Specialization: Igneous Petrology, Mineralogy, Geochemistry.

Suchana Taral, Ph.D. (ISI, Kolkata)

Specialization: Sedimentology, Ichnology & Basin Analysis.

Nagaraju Kanna, Ph.D. (Osmania University, Hyderabad)

Specialization: Geophysics (seismology).

Ritima Das, Ph.D. (CSIR-NGRI Hyderabad)

Specialization: Seismology, Tectonics, Computational Geophysics.

Shailendra Singh, Ph.D (IIT-ISM Dhanbad)

Specialization: Electrical & Electromagnetic Methods.

DEPARTMENT OF MATHEMATICS

Ramanujan School of Mathematical Sciences

The Department was established in 1986 and it aims to train people who are oriented towards research and teaching in advanced areas of Mathematics. The Department was supported for the development of infrastructure by the Department of Science and Technology (DST), Government of India under FIST programme during 2009-14 and University Grants Commissions (UGC) - Special Assistance Programme (SAP) - DRS-I level during 2009-14. Presently, the Department is supported by the University Grants Commission - Special Assistance Programme (SAP) - DRS-II level for enriching Research Support for the period 2015-20. The National Board for Higher Mathematics (NBHM) gives support for the purchase of library books related to Mathematics. The faculty members are involved in national and international projects.

PROGRAMMES OF STUDY

M.Sc. Mathematics
M.Sc. Mathematics (Five Year Integrated Course)
Ph.D. Mathematics (Full-time)

ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

INFRASTRUCTURE FACILITIES

The Department has a separate building, a seminar hall and a well-equipped computer laboratory. Various mathematical softwares for course work and research are also available. The National Board for Higher Mathematics (NBHM) gives support for Library. .

FACULTY

Professor & Head

A. Joseph Kennedy, Ph.D. (University of Madras, Chennai)
Specialization: Combinatorial Representation Theory

Professors

M. Subbiah, Ph.D. (I.I.T., Kanpur)
Specialization: Hydrodynamic Stability
T. Duraivel, Ph.D. (Pondicherry University, Puducherry)
Specialization: Commutative Algebra
Rajeswari Seshadri, Ph.D. (I.I.Sc., Bangalore)
Specialization: Differential Equations & their Numerical Methods

Associate Professors

S. Francis Raj, Ph.D. (SASTRA University, Thanjavur)
Specialization: Graph Theory.
Dr. Pankaj Sharma, Ph.D., (JMI, New Delhi)
Specialization: Wavelet Analysis
Dr. Rakesh Kumar Parmar, Ph.D., (MGS University, Bikaner, Rajasthan)
Specialization: Special Functions, Complex Analysis
Dr. T. Asir, Ph.D., (MSU, Tirunelveli, Tamil Nadu)
Specialization: Commutative Rings and Algebraic Graph Theory

Assistant Professors

S. N. Fathima, Ph.D. (Mysore University, Mysore)
Specialization: Number Theory, Special Functions
I. Subramania Pillai, Ph.D.
(University of Hyderabad, Hyderabad)
Specialization: Topological Dynamics.
Dr. K. Kamala, Ph.D., (Anna University, Chennai)
Specialization: Topology

DEPARTMENT OF STATISTICS

[DST-FIST & UGC-SAP(DRS-1) Department]

Ramanujan School of Mathematical Sciences

The Department of Statistics was established in 2006. Currently, the department offers M.Sc. Statistics, M.Sc. Five Year Integrated (Statistics) and Ph.D. (Statistics) programmes. The department aims to train students in the development and applications of Statistical techniques for analyzing data arising in the scientific investigation of problems in various disciplines. It also provides first hand practical experience in handling modern statistical software in the analysis of such data. In the present scenario, it is rather impossible, even to think of any field which does not employ modern statistical tools to arrive at rational conclusions from research studies and a statistician is always an indispensable part of any research team carrying out any research investigation.

The Department is supported for development of infrastructure by the Department of Science and Technology (DST), Government of India under FIST program and University Grants Commission (UGC) – Special Assistance Program (SAP) – DRS – I level. The faculty members are actively engaged in research and published papers in National and International journals.

● PROGRAMMES OF STUDY

M.Sc. Statistics
M.Sc. Statistics (Five Year Integrated)
Ph.D. Statistics (Full-time and Part-time)

● ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

PLACEMENTS AND BEST PRACTICES

The Placement activities of the Department are taken care by a Placement Cell which comprises of a student member and a faculty advisor. The placement cell organizes campus recruitment programs every year and takes pride in facilitating placement for eligible students in Multinational Companies and other companies in the private sector. Many MNC are conducting the campus placement/recruitments in the department in the core areas of statistics and general recruitments along with other departments. Our students are excelling their careers on Five broad spectrum of TRACS

- Teaching & Learning
- Research & Higher Education,
- Administrative Placements & Self Employment
- Consulting & Data Practicing
- Statistical Software Training & Skill Development

Department is also providing co curriculum activities for overall development of students by undertaking the necessary programs.

- Alumni activities for better liaison between the current and past students;
- Student affairs for exploring interactions among university and industry;
- Eminent invited lecture series;
- Placements, Career Planning and Soft skills developments;

INFRASTRUCTURE FACILITIES

The Department of Statistics has separate premises with facilities like Seminar Halls, Statistical Computing Laboratories. Classrooms with LCD projectors and Wi-fi connectivity for conducting classes. There are around 70 terminals in the computing laboratories with high end configuration that support standard statistical software like IBM SPSS 19.0, MINITAB 17 and R language. Students will have ample opportunities to use of these software's that will help them in placement after completion of the course. The course curriculum includes a blend of theoretical and applied papers. Preparing the students for the needs of current job market trends is the main objective of our course programs.

Statistics books (both text book and reference book) worth more than 20 lakhs are available in the central library in addition to e –resources and e – journals. The recent syllabus for M.Sc. course provides broad choice of opportunities in selecting the elective subject according to their preferences. Since the updated syllabus includes UGC-CSIR NET examination contents, the students will be benefitted in taking NET examination and other competitive examination for the All India Services

Statistics department is hosting regular academic activities in the form of Conferences, Workshops, Seminars, educational tours, Placement Activities, Alumni Networking, Skill Development Programs, Statistical Software Training, etc.

Semester wise Academic planning, Special invited lecture series with eminent people, Campus recruitment, Career guidance, Student coordinating activities for overall development, Choice based credit system, Freedom for selecting either internal or external soft core papers and pursue the courses as per the flexibility of students need are some other interesting features of the courses.

The department is making the up gradation of academic orientation and syllabus modification as per the current trends and changing requirements of job market as well as emerging changes in new knowledge inputs. There are periodical meetings of Board of studies to take up the above mentioned activities.

FACULTY

Professor and Head

Kiruthika, Ph.D. (University of Madras)

Specialization: Multivariate Statistical Analysis, Artificial Neural Network

Professor

P. Tirupathi Rao, Ph.D. (Andhra University)

Specialization: Stochastic Modeling, Optimization Methods, Statistical Computing and Biostatistics.

Associate Professors

Navin Chandra, Ph.D. (Banaras Hindu University)

Specialization: Reliability Theory, Bayesian Inference, Survival Analysis

V. S. Vaidyanathan, Ph.D. (University of Madras)

Specialization: Data Mining, Distribution Theory, Inference.

R. Vishnu Vardhan, Ph.D. (Sri Venkateswara University)

Specialization: Biostatistics, Multivariate Analysis, Computational Statistics

Sudesh Pundir, Ph.D. (Panjab University)

Specialization: Distribution Theory, Statistical Inference including

Bayesian, High Dimensional Data Analysis

J. Prabhakara Naik, Ph.D. (Sri Venkateswara University)

Specialization: Statistical Modelling and Inference

DEPARTMENT OF COMPUTER SCIENCE

School of Engineering & Technology

The Department aims at imparting quality education in Computer Science & Engineering and Information Technology through various post-graduate programmes. It also offers a conducive atmosphere for research scholars to pursue research in various advanced areas of Computer Science Engineering and Information Technology. The faculty members are actively engaged in research and have a number of patents and research publications. The Department also has an ongoing Research Project funded by ICMR, MHRD and DST-SERB facilitating academic and research collaborations between top ranked Indian Institutions and globally ranked Foreign Institutions. Memorandum of Understanding (MOU) signed with International partner institutions such as Gustave Eiffel University, France and Frankfurt University, Germany also facilitate student exchange programmes.

● PROGRAMMES OF STUDY

M.Sc. Computer Science
M.C.A. (Two Year Programme)
M.Sc. Computer Science (Five Year Integrated)
M.Tech. Computer Science & Engineering
M.Tech. Network & Information Security
Ph.D. Computer Science (Full-time, Part-time (Internal & External))
Ph.D. Computer Science & Engineering (Full-time, Part-time (Internal & External))

● ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.



STUDENT ACTIVITIES

The Computer Science Students' Association, PIXEL, provides opportunities to sharpen the skills of students by organizing lectures and students meet. "FOOTPRINTS", the alumni association of the Department constantly engages in delivering lectures on latest topics for updating the skill sets of the students making them on par with the industry requirements. The Students' Programming Club organises year long training programmes and programming events for the students of other University Departments.

ACADEMIC ACTIVITY INITIATIVE

The Department has an Academic Activity initiative through which the students are made industry ready by imparting the most sought-after technical skills and soft skills by MHRD empanelled training institutes throughout their course of study. In addition, Indian Institute of Remote Sensing (IIRS-ISRO) offers live and Interactive courses under Outreach programmes free of cost for students, research scholars and faculty members throughout the year for the Department of Computer Science.

INTERNSHIPS

The students of the Department take up internships in reputed state and central government institutions like ISRO, IIRS, NCPOR, NIC, C-DAC, etc. and other industries like SYSCLOUD, Cognizant, Enest Technologies, Trigyn Technologies, etc.

PLACEMENT

The Placement activities of the Department are taken care by a Placement Cell which comprises of student members and a faculty advisor. The Placement Cell organizes campus recruitment programmes every year and takes pride in facilitating placement for the eligible students in Multi National Companies in the banking sector. The Department organises programming and soft-skill training programmes to prepare the students for placements.

INFRASTRUCTURE FACILITIES

The Department has well-equipped enriched computing facilities with modern computing environments to cater the learning process of students. Students and scholars in the laboratory enjoy a good stature in the world of academia and research with a dedicated teaching computer laboratory to undertake student's practical work and assignment work with a separate research scholar computer laboratory.

The Department labs are equipped with the following computing facilities:

Server - Fujitsu Intel Xeon Server – 2 Nos.

Server - HP Intel Xeon Server – 2 Nos.

Workstation – AMD Ryzen 5/ Graphics NVIDIA RTX 3080 12GB – 1 No.

Desktop – Dell Intel Core i7 8th Gen – 50 Nos.

Desktop – HP Intel Core i5 8th Gen – 120 Nos.

Desktop – HP Intel Core i5 2nd Gen – 40 Nos.

Laptop – HP ProBook 440 – 16 Numbers

Software – Qualnet – 1+ 5 Users

FACULTY

Associate Professor & Head(i/c)

S.K.V. Jayakumar, Ph.D. (Pondicherry University, Puducherry)

Specialization: Web Services Computing, Cloud Computing & Data Science.

Professors

R. Subramanian, Ph.D. (IIT Delhi)

Specialization: Evolutionary Algorithms & Cloud Computing.

T. Chithralekha, Ph.D. (Pondicherry University, Puducherry)

Specialization: Cyber Security & Data Science.

S. Siva Sathya, Ph.D. (Pondicherry University, Puducherry)

Specialization: Evolutionary Algorithms, Spatio-temporal mining, Machine Learning and NLP.

Associate Professors

K. Suresh Joseph, Ph.D. (AnnaUniversity, Chennai)

Specialization: Operating Systems and Soft Computing.

S. Ravi, Ph.D. (M.S. University, Tirunelveli)

Specialization: Image Processing, Algorithms, Bio-Metric Systems, Operating System & Medical Imaging.

M.Nandhini, Ph.D. (Bharathiar University, Coimbatore)

Specialization: Artificial Intelligence, Software Engineering, Evolutionary Algorithms & Combinatorial Optimization.

T. Vengattaraman, Ph.D. (Pondicherry University, Puducherry)

Specialization: Distributed Computing & Nature Inspired Algorithms.

Pothula Sujatha, Ph.D. (Pondicherry University, Puducherry)

Specialization: Information Retrieval, Multilingual Systems & Database Technologies.

P. Shanthi Bala, Ph.D. (Pondicherry University, Puducherry)

Specialization: Distributed Computing Systems, Knowledge Engineering and Computer Networks.

V. Uma, Ph.D. (Pondicherry University, Puducherry)

Specialization: Artificial Intelligence, Data Mining, Machine Learning & Deep Learning.

K.S. Kuppusamy, Ph.D. (Pondicherry University, Pondicherry)

Specialization: Human Computer Interaction & Accessibility Computing.

Assistant Professors

R.P. Seenivasan, M.C.A., M.Phil. (Madras University, Chennai)

Specialization: Software Engineering and Database Management Systems.

K.Vijayanand, Ph.D.

(Acharya Nagarjuna University, Andhra Pradesh)

Specialization: Natural Language Processing

T. Sivakumar, Ph.D. (Pondicherry University, Puducherry)

Specialization: Database Management Systems & Computer Networks.

R. Sunitha, Ph.D. (Pondicherry University, Puducherry)

Specialization: Theoretical Computer Science & Knowledge Engineering.

M. Sathya, M.Tech. (Pondicherry University, Puducherry)

Specialization: Software Engineering

S.L. Jayalakshmi, Ph.D. (Anna University)

Specialization: Machine Learning, Audio / Sound Signal Processing, Computer Vision.

G.Krishnapriya Ph.D. (Bharathidasan University)

Specialization: Data Mining

Sukhvinder Singh Ph.D. (Pondicherry University, Puducherry) *Specialization:* Network Security, Machine Learning



DEPARTMENT OF HISTORY

School of Social Sciences and International Studies

The Department of History was established in December 1987 with following main objectives:

- To provide facilities for study and research related to the social, economic and cultural history of India
- To highlight the intellectual tradition and cultural heritage of India
- To explore the history of countries other than India
- To undertake the study of historiography and the philosophy of history
- To provide knowledge of the theory and practice of historical writing

PROGRAMMES OF STUDY

M.A. History
M.A. History (5 Year Integrated)
Ph.D. History

ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

INFRASTRUCTURE FACILITIES

The Department is equipped with Smart Class Room facility for ICT integrated teaching. It has sophisticated equipment such as LCD projectors, public address systems, etc., for effective teaching. Besides the chalk and talk method, the teaching is done thorough Power Point presentations. Students are encouraged to develop their skills of communication through group discussions and individual seminars. State of the art survey and excavation equipment are used in archaeological, archival and historical data collection, analysis and report writing. The centralised facility of a well equipped computer laboratory in the University is an additional infrastructural facility available for the students of the Department.

INVITED LECTURES AND FIELD TRIPS

The Department conducts national seminars and invites distinguished scholars for giving lectures throughout the academic year with a view to disseminate advanced knowledge in chosen fields of history. Field trips to nearby places of importance are undertaken every year. The students of the Department are getting placements as teachers in the history departments in colleges and universities in different parts of India and as technicians in governmental agencies like the Archaeological Survey of India and the State Departments of Archaeology and Museums.

MEMORANDUM OF UNDERSTANDING:

The Department of History has entered into a Memorandum of Undertaking (MoU) with C.P. Ramaswami Aiyar Foundation, Chennai and Sharma Center for Heritage Education, Chennai to collaborate in teaching, training and research programmes in tune with the New Education Policy 2020.

FACULTY

Professor & Head

K. Venugopal Reddy, Ph.D.

(Jawaharlal Nehru University, New Delhi)

Specialization: Modern History, Economic History of India, Nationalist Movement in India and Labour History.

Professors

G. Chandhrika, Ph.D.

(Annamalai University, Annamalai Nagar)

Specialization: Modern History, Intellectual History of Modern India, Historiography and Women's History.

N. Chandramouli, Ph.D. (Telugu University, Hyderabad)

Specialization: Ancient Indian History, Field Archaeology, Archaeology of South India, Rock Art of India, Indian Numismatics and Indian Epigraphy.

Assistant Professor

Paokholal Haokip, Ph.D.

(Jawaharlal Nehru University, New Delhi)

Specialization: Modern History, Overseas Slave Trade, Diaspora Studies, Colonial History of North East India and North West Burma and Genocide Studies.

Ruman Banerjee, Ph.D. (University Bristol, United Kingdom)

Specialization: Ancient Indian History & Archaeology, Eurasian Prehistory, Field Archaeology, Remote Sensing and GIS (RS-GIS) and Scientific Dating of Rock Art.

DEPARTMENT OF POLITICS AND INTERNATIONAL STUDIES

School of Social Sciences and International Studies

The salient features of the Department include:

- UGC Special Assistance Programme DRS-II Level.
- Exchange programmes with prestigious foreign and Indian universities.
- Interactions with distinguished Indian and foreign scholars through seminars, conferences, workshops and refresher courses.
- Promoting teaching and research in the areas of international relations and area studies in general and South Asia in particular
- Policy input to the makers of India's foreign and security policies as well as the theoretical understanding of International relations.
- Publication of the scholarly journal titled *International Journal of South Asian Studies*.
- Publication of scholarly books on thrust areas of teaching and research programmes in the Department.

● PROGRAMMES OF STUDY

M.A. Politics & International Relations (2 Years)
M.A. Political Science (2 Years)
M.A. Political Science (Five Year Integrated)
Ph.D. Politics & International Studies
Ph.D. Political Science
Ph.D. Public Administration

● ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023 .

THE THRUST AREAS OF TEACHING AND RESEARCH

Specific focus on India's Foreign and Security Policy, Indian political system, Political Theory, Political Economy of Development, Public Administration, South Asian Regional Co-operation and Peace and Conflict Resolution.

INFRASTRUCTURE FACILITIES

The Department has good infra-structural facilities including interactive class rooms, Smart class rooms and other teaching aids to assist teachers and students in their pursuit of academic excellence and relevance.

FACULTY

Professor & Head

N. K. Kumaresan Raja, Ph. D.

(University of Madras)

Specialization: Public Administration, Public Policy and Governance & Land Administration

Associate Professors

Nanda Kishor M S, Ph.D.

(University of Hyderabad)

Specialization: Geopolitics and International Relations

Sanjay Sharma, Ph.D.

(Jamia Hamdard University)

Specialization: Public Policy & Political Ecology

Assistant Professors

G. Rose, M. Phil.

(Jawaharlal Nehru University, New Delhi)

Specialization: International Organisation, Theories of International Relations.

Pramod Kumar Ph. D.

(Jawaharlal Nehru University, New Delhi)

Specialization: Central Asian and Russian Studies, Energy Security and Sustainable Development.

Richa Tiwari, Ph.D.

(University of Rajasthan)

Specialization: Political Philosophy, Indian Political Theory

Harsh Meena, Ph.D.

(University of Delhi)

Specialization: Federal Polity, Electoral Politics & Tribal Studies

Ritesh Kumar RAI, Ph.D. (Jawaharlal Nehru University)

Specialization: Theory of International Relation, Indian Foreign policy, Central Asian Studies

Chandraprabha Negi, Ph.D. (Jamia Millia Islamia, New Delhi)

Specialization: Geopolitics and Energy Security of Caspian Sea Region, Russia and Central Asia.

DEPARTMENT OF SOCIOLOGY

School of Social Sciences and International Studies

The Department of Sociology was established in 1993. Students were admitted to the M.A and Ph.D programmes from 1993-94 onwards year and the M.Phil programme was introduced from 1996-97. The Post-Graduate Diploma in Rural Development was launched from 2009-10. In a span of over two and half decades, the Department has trained a fairly large number of talented post-graduate students drawn from different parts of the country. From its inception, the Department has focused on understanding the complexities of modern social life through the application of advanced sociological theories and methods within an interdisciplinary framework building upon the traditions of the discipline. The students are encouraged to acquire critical reading, theoretical insights and research skills through rigorous training. The research areas undertaken by students and faculty members cover a wide range of issues of public concern like the effects of economic development on society and culture, problems of weaker sections, gender and society, disaster management, environmental issues, social movements, minority studies, etc.

The Department equips students for a variety of careers including academics, civil services, activism and advocacy. The alumni are employed in reputed governmental as well as corporate organizations in India and abroad.

● PROGRAMMES OF STUDY

M.A. Sociology
M.A. Sociology (Five Year Integrated Course)
Ph.D. Sociology

● ENTRANCE EXAMINATION

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

FACILITIES

- Computer Laboratory with internet facilities.
- Rich collection of books, journals and reports in the Library.
- Class room with modern instructional equipment.

FACULTY

Professor & Head

C. Aruna, Ph.D. (Bharathiar University, Coimbatore)

Specialization: Gender Studies, Social Network and Migration Studies.

Professors

B. B. Mohanty, Ph.D.

(Sambalpur University, Sambalpur)

Specialization: Agrarian Change, Economic Sociology and Sociology of Development.

K. Gulam Dasthagir, Ph.D (University of Madras, Chennai)

Specialization: Sociology of Water, Rural Development Sociology, Sociology of Gender, Sociology of Religious Minorities.

Sudha Sitharaman, Ph.D. (ISEC, Bangalore)

Specialization: Sociology of Religion and Religious Communities; Sociology of Social Movements.

Pradeep Kumar Parida, Ph.D.

(Utkal University, Bhubaneswar)

Specialization: Sociology of Development, Sociology of Disaster and Sociology of Education.

Assistant Professors

Mansy. M, Ph.D. (University of Kerala, Thiruvananthapuram)

Specialization: Migration Studies, Public Health and Development Sociology.

Imtirenla Longkumer, Ph.D.

(Jawaharlal Nehru University, New Delhi)

Specialization: Gender Studies, Sociology of Religion, Cultural Studies, Sociology of Media.

M.A. (SEAL) (FIVE YEARS INTEGRATED PROGRAMME)

Masters of Arts in Social & Economic Administration and Law

PROGRAMME SUMMARY

M.A.(SEAL) is a five-year integrated multi-disciplinary intensive programme on Social & Economic Administration and Law.

PROGRAMME OBJECTIVES

- * It is a Dual Degree Programme. And this tailor-made Dual Degree is to synergize Pondicherry University and Paris-1 Panthéon-Sorbonne in the fields of Social & Economic Management and Law, as per the M.O.U. signed on 1st April 2019.
- * The Programme further intends to bring together the students of France and India while strengthening and encouraging youth employment.

ADMISSION PROCEDURE

Admission will be based on the Central Universities Entrance Test (CUET), 2023.

PROGRAMME

The students from Pondicherry University who opt for this Programme will spend the first two years in Pondicherry University, and the third year will be in Paris-1. The Paris-1 students will spend the first two years in Paris-1, and the third year in Pondicherry University. This to-&-fro mobility of each candidate will also depend on the merit of each one's academic credentials and selection interview performance, as well as the availability of the required sponsorship / scholarship / funding for the 3rd year of study in France or India.

Each group will have to reach the B2 level in French / English. The Pondicherry University B.A. (SEAL) students will have the exit option in case they do not wish to continue their Masters. If the Paris-1 students wish to continue their Masters, they will join Pondicherry University for the M.A. (SEAL), as Paris-1 does not have an M.A. (SEAL). So, the M.A. Intg. (SEAL) will follow this course:

Admission Requirements		
B.A. (SEAL)	Location	
	PU Students	Paris-1 Students
Year 1	Pondicherry University	Paris-1
Year 2.	Pondicherry University	Paris-1
Year 3	*Pre-departure 8-week Internship in an Indo-French Corporate in India (June-July) *From September to next year May, 3rd Year in Paris-1 *Post-Course Work 8-week Internship in an Indo-French Corporate in France (June-July), if the students wish	*Pre-departure 8-week Internship in an Indo-French Corporate in France (June-July) *From August to next year May, 3rd Year in Pondicherry University *Post-Course Work 8-week Internship in an Indo-French Corporate in India (June-July), if the students wish
DEGREE GIVEN AFTER EXIT OPTION	A Dual Degree : "Licence Administration Économique et Sociale" from Paris-1, and "Bachelor of Arts in Social, Economic Administration and Law" from Pondicherry University	
M.A. (SEAL)	Location	
	PU Students	Paris-1 Students
Year 4	Pondicherry University	Pondicherry University
Year 5	Pondicherry University	Pondicherry University
DEGREE GIVEN AFTER 5 YEARS' INTEGRATED PROGRAMME	A Dual Degree : "Licence Administration Économique et Sociale" from Paris-1, and "Master of Arts in Social, Economic Administration and Law" from Pondicherry University	

PROGRAMME OUTCOME

This Programme offers a professional qualification curriculum and aims to further the bilateral and educational links between India and France. The M.A. Intg. (SEAL) is an interdisciplinary blend of Social Sciences, Economics, Commerce, Management, and Law, and it would give the perfect grounding to appear for the U.P.S.C. / I.A.S. / I.F.S.. It will also be an excellent opportunity to work after the completion of this Degree in governmental institutions or corporates, specially in Indo-French companies ; there is also the possibility of these graduates being absorbed by the very same companies where they would have done their internships.

PEDAGOGICAL METHOD

Classroom lectures, tutorials, seminars, case studies, etc, shall form part of the teaching methods. Students are also encouraged to develop self-learning skills to carry out independent research. Project writing and presentation of the Project and Viva Voce will also form part of the teaching methods.

EVALUATION CRITERIA

The evaluation of this Programme is as per the UGC guidelines of evaluation. Internal assessment is for 40% marks and End Semester Exam is for 60% marks.

1. Internal Assessments consist of term tests, written assessment / seminar presentations. (40% of marks)
2. End Semester Exam consists of 3 hours written test (60% of marks).

INTERNSHIP

Between the second and third year, the students should undertake a mandatory internship, either in France or India, for at least 8 weeks. They will have to present a written report on their Internship and face the relevant Viva.

PROJECT

During the fifth year, the students are required to choose any area of their interest in Social & Economic Administration and Law in order to complete the Project. This Project submission is also followed by a Viva in the fifth year (X Semester).



IMPORTANT NOTE

- (i) The University reserves the right to make changes in the information provided therein. This cannot be quoted for any sanction.
- (ii) Notwithstanding the information given in the Information Brochure, the University has the ultimate right to decide on any issue as per its rules and regulations.
- (iii) For up-to-date information including changes in the programmes listed in this Information Brochure, the University website **www.pondiuni.edu.in** may be checked from time to time.
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**Registrar
Pondicherry University**