PONDICHERRY UNIVERSITY
PUDUCHERRY

AREA OF SPECIALIZATION

Sl.No	Department	Name of the Post	No of Post	Desirable Area of Specialization
1	Tamil	Associate Professor	1	1. Ph. D in Tamil / Linguistics. 2. Research Publications and/ or Articles in Tamil Literature & Linguistics.
2	Management Studies	Professor	1 (SC)	Operations / Finance/ Marketing / HRM
		Assistant Professor	1 (ST)	Systems
3	Economics	Assistant Professor	2 (SC-1, OBC – 1)	1. Environmental Economics. 2. International Economics.
4	Tourism Studies	Professor	1	Hospitality Management Human Resource Management Eco - Tourism Sustainable Tourism Management
5	Banking Technology	Professor	1	**Essential Qualifications** : (Read with UGC norms prescribed qualification for Management / Business Administration discipline. **MBA** (Finance & System) and **Ph.D** (Bank Management/ International Banking/ Investment Banking/ Credit Risk Analysis/ Wealth Management/ Treasury Operations) **(or)** **M.E/ M.Tech** (Computer Science/ IT) and **Ph.D** (Object Oriented System Design/ Software Architecture / Business Intelligence / Banking Technology/ Information Security/ IT Infrastructure Management for Banks.) **Desirable Experience** :Teaching/ Research Experience Indian Financial Markets/

	Banking Technology			Indian Banking/ Banking Operations (or) Practical Work Experience at Corporate Office Level/ Dealer Room Operations / Bank Data Centre Operations. (Or) Teaching / Research Experience at University level in IT application relevant to BFSI (or) Work Experience at Banking/ Finance Verticals of Large Software Solution development companies. Certification in the areas of Information Security, Information System Audit, IT Services Management, Business Continuity Management
		Associate Professor	2	**Essential Qualifications** **M.E/ M.Tech** (Computer Science/ IT) and **Ph.D** (Information Security/ Smart Banking Technologies/ Data Warehousing/ Data Mining/ Information Systems Audit/ IT Infrastructure Management) **Desirable Experience :** Teaching and Research Experience at University Departments (or) Work Experience in Banking or Finance verticals of Software Companies: Hands on Exposure on Core Banking Solutions, RTGS, Payment Gateways/ Security Systems in Banks.
		Assistant Professor	2	**Essential Qualifications** **M.E/ M.Tech** (Computer Science/ IT)/ **M.S** (IT)/ **M.Sc** (Computer Science/ IT)/ **MCA** and **Ph.D/ UGC-NET**. With Subjects Data Base Management/ Enterprise Application Integration/ ERP/ Banking Technology/ Business Intelligence/ Financial Information System/ Computer Networks for Banks/ Object Oriented Modeling & Design/ E-Commerce/ Internet Trading/ IT Laws & Cyber Crime. **Desirable Experience :**

				Teaching / Research Experience at University level/ Work Experience in respective domains/ Associations in Software Development for BFSI Sector/ Certificate in the areas of Information Security, Information System Audit, IT Services Management, Business Continuity Management.
6	International Business	Professor	1	**Required Qualification & Specializations :** (Read with UGC norms prescribed for Management / Business Administration discipline. **MBA with Ph.D in Management** Specialization in International Business / International Finance/ International Marketing/ International Human Resource Management/ Systems / Production/ Operations/ Law. **Required Skill Set** Experience of teaching MBA students at the University level with international perspectives & Evidence of carrying out active research in terms of publications / Projects / writing Books/ Organizing National/ International Seminars/ Conferences/Workshops/ Faculty Development Programs, etc. in any of these areas.
7	Mathematics	Professor	1 (SC)	Any branch of Mathematics. Preference will be given to Functional Analysis/Topology/Geometry/Partial Differential Equations
		Assistant Professor	1	Any branch of Mathematics. Preference will be given to Partial Differential Equations/Numerical Analysis/Topology/Algebraic Geometry.

8	Statistics	Associate Professor	2 (ST -1)	Statistical Inference, Probability and Distributions, Statistical Quality Control, Stochastic Processes and Data Mining. A Good Working knowledge in R - language, SPSS, MATLAB and other related Statistical Softwares.
9	Physics	Professor	1 (SC)	Condensed Matter Physics / Laser & Optics / Computational Physics
		Associate Professor	1 (ST)	Condensed Matter Physics / Laser & Optics / Computational Physics
10	Chemistry	Professor	1 (ST)	**Essential Qualifications :** Analytical Chemistry, Nano Chemistry, Material Chemistry, Bio-inorganic Chemistry, Bio-organic Chemistry, Physical Chemistry with Statistical Thermodynamics, Inorganic, Organic, Physical Chemistry. **Desirable Qualifications :** Post Doctoral Experience in the relevant field and high quality publications in standards/ reputed Journals.
		Associate Professor	1 (SC)	**Essential Qualifications :** Analytical Chemistry, Nano Chemistry, Material Chemistry, Bio-inorganic Chemistry, Bio-organic Chemistry, Physical Chemistry with Statistical Thermodynamics, Inorganic, Organic, Physical Chemistry. **Desirable Qualifications :** Post Doctoral Experience in the relevant field and high quality publications in standards/ reputed Journals

11	Earth Sciences	Professor	2 (ST-1)	Geophysics / Mineralogy. Sedimentology / Structural Geology & Tectonics.
		Associate Professor	1 (SC))	Structural Geology / Geodynamics / Sedimentology / Geochemistry / Geohydrology / Petroleum Geology / Geomorphology.
		Assistant Professor	2	Ore Geology / Remote sensing & GIS / Geohydrology / Geochemistry. Igneous/Metamorphic Petrology **Desirable** : Experience in use of EPMA/LA-ICP-MS/TIMS to solve petrological problems and study of crustal evaluation /Tectonics++
12	Biochemistry & Molecular Biology	Associate Professor	2 (SC-1)	Cell Biology / Cytogenetics / Genomics / Proteomics / Nanobiology / Cancer Biology / Molecular Biology
		Assistant Professor	2 (ST-1)	Immunology / Genetics / Plant Biochemistry / Molecular Biology / Stem Cell Biology
13	Biotechnology	Professor	1 (SC)	Cancer Biology / Molecular Biology / Biotechnology.
		Associate Professor	1 (ST)	Immunology / Molecular Biology
14	Coastal Disaster Management	Assistant Professor	3 (SC-1)	Basic Qualification : P.G Degree in Geology / Applied Geology / Engineering Geology / Marine Geology / Coastal Disaster Management with the following specialization in Ph.D program as : 1. Geological Oceanography / Marine / Coastal studies / in PhD level with relevant publications. 2. Geotechnical Application in PhD level with relevant publications. 3. Natural Hazards in PhD level with relevant publications.

15	Food Science & Technology	Professor	2 (SC-1)	**Essential Qualifications :** 1.Food Science and Nutrition / Food Science / Life Science. 2. Food Technology / Food Engineering **Desirable area of Specialization** 1. Research experience in the area of Food Microbiology and Food Safety. 2. Research experience in the area of Agriculture Processing.
		Associate Professor	1	**Essential Qualifications :** Food Science / Food Science and Nutrition / Food Technology
		Assistant Professor	1	**Essential Qualifications :** M.Sc Food Science and Technology / M.Tech Food Technology
16	Bioinformatics	Associate Professor	1 (ST)	Proteomics / Computational Biology / Structural Biology / Systems Biology / Networking & Algorithm / Programming in Computer.
17	M.Sc., Microbiology	Professor	1	<u>Essential :</u> Good Academic record with a Doctoral Degree and Master's Degree in Microbiology / Applied Microbiology. <u>Specialization :</u> Required experience in the areas of Medical Microbiology.
			3 (SC -1)	<u>1. Essential :</u> Good Academic record with a Doctoral Degree and Master's Degree in Microbiology / Applied Microbiology. <u>Specialization :</u> Required experience in the areas of Bacteriology, Virology and Mycology <u>2. Essential :</u> Good Academic record with a Doctoral Degree and Master's Degree in Microbiology / Microbial genetics /

		Associate Professor		Biochemistry / Biotechnology. **Specialization :** Required experience in Microbial genetics / Genetic Engineering / rDNA Technology / Immunodiagnostics. **3. Essential :** Good Academic record with a Doctoral Degree and Master's Degree in Microbiology / Applied Microbiology. **Specialization :** Required experience in Medical Microbiology / Virology / Parasitology
		Assistant Professor	2	**1. Essential :** Good Academic record with a Master's Degree in Microbiology / Applied Microbiology along with NET / SLET qualification. **Specialization :** Required experience in Food and Agricultural Microbiology **Desirable :** Ph.D in Microbiology **2. Essential :** Good Academic record with a Master's Degree in Microbiology / Biotechnology along with NET/ SLET qualification. **Specialization :** Required experience in Industrial and Environmental Microbiology **Desirable :** Ph.D. in Microbiology

18	Interdisciplinary Program in Life Science (DPT Project)	Assistant Professor	1	Toxicology / Pharmacokinetics
19	French	Professor	1 (SC)	Francophone Literatures.
		Assistant Professor	1	Translation and Interpretation
20	Physical Education & Sports	Professor	1 (ST)	Research Methodology and Advanced Statistics
		Associate Professor	1 (SC)	Bio-Mechanics with Athletics
21	Anthropology	Professor	1 (SC)	Social - Cultural Anthropology
22	Sociology	Assistant Professor	2 (ST - 1, OBC -1)	Sociology of Development, Social Movements, Social Stratification.
23	Social Work	Professor	1	Medical and Psychiatric Social Work.
24	Politics and International Studies	Associate Professor	3 (ST – 1)	China, East Asia and Central Asia. International Law & Refugee Rights Land Rights, Minority Rights. West Asian Studies/ Central Asian Studies/ Comparative Politics/ Latin American Studies/European Studies.
		Assistant Professor	1 (SC)	Any area in the relevant subject.
25	Centre for Women Studies	Assistant Professor	1 (OBC)	Gender and Society
26	South Asian Studies	Professor	1 (SC)	Essential Qualification : Ph.D. in International Studies and experiences of having served as a Director / HOD of any of the UGC's Area

				Study Centers in the country.
27	**Centre for Study of Social Exclusion & Inclusive Policy**	Professor	1	**Essential Qualification :** The applicant should be an eminent scholar with published work of high quality, actively engaged in research. He/She should have about ten years experience in teaching and research with a Ph.D. degree in any area of Social Sciences discipline. He/She should have experience of guiding research at Doctoral level (or) he should be an outstanding scholar of eminence with established reputation who has made significant contribution to the welfare of SC/ST and Minorities The Professor shall co-ordinate teaching and research in the areas of SC,ST Minorities development and for the strategic plan to educate, enlighten and ameliorate those subjected to social discrimination and exclusion in order to include them into the national main stream and dignity. **Area of specialization :** An outstanding scholar with a doctoral degree in any of the Social Sciences with high quality of work pertaining to Scheduled Castes, Scheduled Tribe and Minorities focusing on the theoretical, conceptual and empirical aspect of the cited groupst.

				Essential Qualification :
		Associate Professor	2 (SC – 1, ST – 1)	The candidate should have good academic record with a Doctoral Degree and Master's Degree in Social Anthropology/ Sociology/ social work/ Economics and Political Science / International Studies.
				Areas of Specialization :
				The candidate should have worked at least five years in the areas of scheduled Caste / Scheduled Tribe, Minorities, ethnographic studies, educational problem, health and welfare economics, social problems and field experience is essential.
28	Library & Information Sciences	Associate Professor	1 (ST)	IT/ICT applications in Library Information Science or Archives or Archival management or Knowledge Management
29	Mass Communication	Professor	1	Masters Degree in Electronic Media or Mass Communication Ph.D. in Mass Communication/ Media related subjects with 10 years of experience in Teaching or Research Industry Experience / Professional Experience in the field of Electronic Media, Film Industry and related fields. In exceptional cases, a non Ph.D. will be considered on contract basis for upto five years in the same Pay Band of a Professor if the person has otherwise made a national level mark in the area of Media, T.V and Film Industry
30	Electronic Media	Professor	1	Masters Degree in Electronic Media or Mass Communication Ph.D. in Mass Communication/ Media related subjects with 10 years of experience in Teaching or Research Industry Experience / Professional Experience in the field of Electronic Media, Film Industry and related fields. In exceptional cases, a non Ph.D. will be considered on contract

				basis for upto five years in the same Pay Band of a Professor if the person has otherwise made a national level mark in the area of Media, T.V and Film Industry.
		Associate Professor	1	Masters Degree in Electronic Media or Mass Communication Ph.D. in Mass Communication/ Media related subjects with 8 years of experience in Teaching or Research Industry Experience / Professional Experience in the field of Electronic Media, Film Industry and related fields. In exceptional cases, a non Ph.D. will be considered on contract basis for upto five years in the same Pay Band of a Professor if the person has otherwise made a national level mark in the area of Media, T.V and Film Industry
31	Nano Science & Technology	Professor	1	**Essential Qualification :** (Read with UGC norms prescribed for qualification for Engineering & Technology discipline.) Ph. D in Chemistry / Physics / Biotechnology / Engineering with any one of the following areas of Specialization. 1. Nanomaterials Simulation and Modeling. 2. Nano - Electronics (device fabrication and characterization) 3. Nano - Biomedical Engineering.
32	Green Energy Technology	Professor	1	**Essential Qualification :** (Read with UGC norms prescribed for qualification for Engineering & Technology discipline.) M.Sc. M.Tech. in Physics/Chemistry/Materials Science/Biotechnology or related fields with Ph.D. in Physics / Chemistry / Nanotechnology/Biotechnology or

| | | | | related fields and proven track record in guiding and producing in Ph.D. degree holders.

Specialization :

Solar Photovoltaics/ Biophotonics / Energy Materials/ Green Energitics.

Desirable :

At least two years of Postdoctoral experience in reputed and internationally renowned research / academic institutions.
Twelve years of research experience after Ph.D. in terms of published work of International Quality, Process Development/ Device Fabrication/ patents in the area of solar energy and related fields in Green energy.

Experience in establishing laboratory / Curriculum Development/ Interdisciplinary Research/ Industrial Interaction/ Consultancy. |
| | | Associate Professor | 1 | **Essential Qualification**

M.Sc. / M.E / M.Tech. in Physics/ Chemistry/ Materials Science/ Biotechnology and related fields with Ph.D. in Physics / Chemistry / Nanotechnology/ Biotechnology and related fields.

Specialization :

Geothermal Energy / Solar Energy / Biotechnology / Biofuels / Wind Energy Production and Management and (or) Device Manufacturing and use.

Desirable Qualification :
Experience in independent research and research guidance in the field of physics– Biology Interface/ Waste to Energy conversion / Biofuels / Biosolar cells and related Green Energy Technologies. |

		Assistant Professor	1	**Essential Qualification** M.Sc. / M.Tech. / M.E. in Physics/ Chemistry/ Materials Science/ Biotechnology / Nanotechnology and related fields with UGC – CSIR NET qualification (for M.Sc. Degree holders) **Desirable Qualification :** 1. Ph.D. in Power Plant/ Thermal/ Electronics/ Power System / Power Generation / Green Management / Renewable and non – conventional sources of energy / Green Building concepts and related green energy technologies. 2. Experience in Fabrication / Process Development of Materials, Devices, System and Packing.
33	**Computer Sciences (Pondicherry Centre)**	Professor	1	**Essential Qualification :** (Read with UGC norms prescribed qualification for Engineering & Technology discipline.) Cloud Computing / Pervasive & Ubiquitous Computing / RFID Systems.
		Associate Professor	3 (SC – 1)	Web Service Computing / Language Technologies / Knowledge Engineering / Artificial Intelligence / Robotics. VLSI / RFID Systems / Handheld Computing. Multimedia / Image Processing / Human Computer Interface / e ‑ learning systems
34	**Electronics Engineering**	Professor	1	Embedded System/VLSI/Digital Communication/Optical Communications/Microwave Electronics/Microelectronics/Digital Signal Processing.
		Associate Professor	2 (ST – 1)	
		Assistant Professor	1 (OBC)	

35	Centre for Pollution Control & Environmental Engineering.	Associate Professor	2 (ST – 1)	**Essential Qualification :** (Read with UGC norms prescribed for qualification for Engineering & Technology discipline.) **a)** Doctorate Degree in Environmental Engineering, or in Chemical Engineering with specialization in Environmental Engineering/ process safety. **b)** Master's and Bachelor's Degrees in Environmental Engineering/ Chemical Engineering. **c)** Research experience in Air/Water Pollution Control Engineering/ Process Safety
		Assistant Professor	1(OBC)	**a)** Master's degree in chemical engineering/ environmental engineering. **b)** Bachelor's degree in engineering / Technology. **c)** Research / Industrial experience in air / water pollution modeling or control / process safety.
36	**Academic Staff College**	Assistant Professor	1 (OBC)	Post Graduate Degree in Computer Science with NET qualification" Any area in Computer Science
37	**Dr. B.R. Ambedkar Chair**	Professor	1	Dr. B.R.Ambedkar's Social Thought / Economics Thought / Political Thought / Constitutional Studies / Education / Dalit Studies / New Buddhist Studies.
38	**Kamban Chair**	Professor	1	**Essential Qualification :** Ph.D Degree in Kamba Ramayana **Desirable :** Research Publication and articles on Kamba Ramayana& its related area.

				Community College, Pondicherry University
39	Tamil	Assistant Professor	1(OBC)	Any area in relevant subject.
40	English	Assistant Professor	2 (ST – 1)	Any area in relevant subject.
41	Mathematics	Assistant Professor	1	Any area in relevant subject.
42	Commerce	Assistant Professor	1 (SC)	Any area in relevant subject.
43	Computer Science	Associate Professor	1 (SC)	Any area in relevant subject
		Assistant Professor	2 (ST – 1)	Any area in relevant subject
44	Management	Assistant Professor	2 (SC -1, OBC – 1)	Any area in relevant subject.
45	Bio – Chemistry	Assistant Professor	2 (OBC – 1)	Any area in relevant subject.
46	Visual Communication	Assistant Professor	2	Any area in relevant subject.
47	Physical Education	Assistant Professor	2 (SC – 1, OBC – 1)	Physical Education with yoga
				Pondicherry University Centre, Karaikal
48	Commerce (Karaikal Centre)	Professor	1 (ST)	Finance and Accounting
49	Computer Sciences (Karaikal Centre)	Professor	1	Network & Information Security / Distributed Computing.
		Associate Professor	1 (ST)	Computer Algorithms / Database / Management Systems / Software Engineering.