

## PH.D. ADMISSION REQUIREMENTS

Course Code	Subject	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
167	Adult and Continuing Education	3	Master's degree in Humanities, Social Sciences or any other related discipline with a minimum of 55% of marks	
101	Anthropology	5	Master's degree in Anthropology/ Ecology/ Forensic Medicine/ Home Science/ Population Studies/ Sociology / Women's Studies / Humanities and Social Sciences or any other related discipline with a minimum of 55 % of marks	
157	Applied Psychology	6	Master's Degree in Psychology/ Applied Psychology with a minimum of 55% of marks	
143	Asian Christian Studies	3	M.A. degree in Christian studies from any University or its equivalent with a minimum of 55% of marks	
146	Banking Technology	5	M. B. A. (Banking Technology)/ M. B. A. (Finance/ Systems)/ M.Com. Business Finance/ PGDM of IIMs/ equivalent Management Degree with Banking/ Finance specializations/ M.E./ M.Tech. (Computer Science/ Information Technology)/ MCA / M.Sc. (Computer Science)/ M.Sc. (Information Technology)/ other professional degrees like C.A., ICWAI, ACS, CAIIB, etc. with a minimum of 55% of marks in all degrees	
102	Biochemistry & Molecular Biology	5	Master's degree in Biochemistry/ Molecular Biology/ Biotechnology/ Microbiology or any other branch of Life Sciences with a minimum of 55% of marks.	
104	Bioinformatics	3	Master's degree in any relevant areas of Physics/ Chemistry/ Computer Science/ Life Sciences with a minimum of 55% of marks.	
103	Biotechnology	12	Master's degree in Agriculture/ Biochemistry/ Biotechnology/ Botany/ Microbiology/ Veterinary Science/ Zoology or in any other related areas with a minimum of 55% of marks	
107	Chemistry	12	Master's degree in Applied or Industrial Chemistry/ Biochemistry/ Biophysics/ Chemistry/ Chemical Sciences/ Material Science/ Pharmaceutical Chemistry/ any other related areas with a minimum of 55% of marks. To join in Physical chemistry related fields maths at +2 level is required. Candidates who have not studied Maths at H.Sc. (+2) level, if selected, should successfully complete a bridge course in Maths during Part I of the Ph.D. programme. To join in Theoretical Chemistry field Maths at B.Sc level is required	
147	Disaster Management (Port Blair, Andamans)	2	Master's degree in Geology/ Geography/ Geo-Physics/ Chemistry/ Physics/ Maths/ M.Tech./ ME with a minimum of 55% of Marks	
105	Commerce	2 (Puducherry) 4 (Karikal)	Master's degree in Commerce with a minimum of 55% of marks	

\* The number includes candidates to be selected for Institute of Bioinformatics (IoB), Bangalore and Institute of Chemical Technology, Hyderabad. Candidates who have qualified for UGC -JRF/CSIR/NET/DBT-BINC are exempted from entrance exam. They can apply directly.

Course Code	Subject	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
106	Computer Science & Engg.	16 (Puducherry) 4 (Karikal)	M.Tech. in Computer Science and Engineering or Information Technology/ M.Tech in Electronics and/or Communication Engineering/ M.Tech. in Electrical Engineering or other related specializations in Computer, IT, Electronics and Electrical Engineering with a minimum of 55% marks OR MCA/ M.S./ M.Sc. in Computer Science/ Information Technology/ Software Engineering or equivalent with a minimum of 55% marks.	
140	Drama & Theatre Arts	9	Master's degree in Drama & Theatre Arts or in Performing Arts or related subjects with a minimum of 55% of marks	
110	Earth Sciences	9	Master's degree in Geology/ Applied Geology/ Marine Geology/ Geophysics/ Ecology and Environmental Sciences/ Physics/ Chemistry/ Oceanography with a minimum of 55% of marks.	
111	Ecology & Environmental Sciences	14	1. Master's degree in Ecology & Environmental Sciences or any related branch of Science or Technology with a minimum of 55% of marks. 2. Must secure a minimum of 30% Eligibility-cum- Entrance Examination [for General Category], 27% for OBC and 20% for SC/ST candidates; A weightage of 70% will be given for Entrance examination score and 30% for interview.	
108	Economics	0	Master's degree in Economics with a minimum of 55% of marks	
151	Education	0	M.Ed. (Elementary Education)/ M.Ed. (Educational Technology)/ M.A. Education with B.Ed./ M.Sc.Education with B.Ed. with a minimum of 55% of marks	
154	Electronic Media	5	Master's Degree with 55% marks in Electronic Media, Journalism, Mass Communication OR Master's Degree with 55% of marks in Applied Sciences, Computational Sciences, Engineering and Technology, Education, Sports, Agriculture, Medicine and Health Sciences	
166	Electronics Engineering	4	M.E./ M.Tech degree in ECE/ Electronics/ Communication/ Other related specializations with an overall minimum aggregate of 55% of marks or equivalent	
109	English	11	Master's degree in English with a minimum of 55% of marks	
112	Environmental Technology	4	Master's degree in Science/ Technology with a minimum of 55% of marks	
152	Food Science & Nutrition	1	Master's degree in Food Science and Nutrition/ Home Science/ Industrial Biotechnology/ Biotechnology with a minimum of 55% of marks	
158	Food Science & Technology	1	Master's degree in Food Science and Technology/Food Engineering/Food Technology/ Food Process Engineering/ Agricultural Engineering/ Chemical Engineering with a minimum of 55% of marks	
113	French	4	Master's degree in French with a minimum of 55% of marks	
159	Green Energy Technology	9*	M.Sc in Physics/ Physics (with photonics specialization)/ Photonics/ Chemistry with Mathematics at BSc level/ Materials Science with Chemistry at BSc level / Electronics/ BioChemistry/ Biotechnology/ Nanoscience with Chemistry at BSc level. Or M.E/M.Tech in Thermal/ Electrical/Mechanical/Chemical/ Electronics & communication/Nanotechnology/ Nanoscience and Technology/ Green Energy Technology/ opto-electronics/ Biotechnology. with at least 55% marks in qualifying examination	
115	Hindi	8	Master's degree in Hindi with a minimum of 55% of marks	

\*Includes 2(two) vacancy for bio-related field

Course Code	Subject	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
114	History	3	Master degree in History/ Ancient History and Archaeology with a minimum of 55% of marks.	
145	International Business	3	MBA (International Business) MBA (Marketing, Finance, HR, Tourism, Systems), MIBA, M.Com., Master's degree in Foreign Trade, Economics, and other relevant disciplines with a minimum of 55% of marks.	
156	Library & Information Science	15	Master's degree in Library and Information Science with a minimum of 55% marks	
117	Management	6 (Puducherry) 7 (Karikal)	Master's degree in Management, Commerce, Industrial Engineering, Industrial Management, Production Engineering, Foreign Trade, Operations Research, Statistics, Public Administration, Sociology, Social Work, Economics, Psychology, Tourism, Hospitality, Hospital Management, Business Administration, Mass Communication and other relevant disciplines with a minimum of 55% of marks. Candidates with affiliation to Examination Oriented Professional bodies such as ICAI, ICSI and ICWAI and any other relevant disciplines may also be considered.	
119	Marine Biology (Port Blair, Andaman)	11	Master's degree in Marine Biology, Zoology, Botany, Biochemistry, Microbiology, Marine Biotechnology/ Physical Oceanography, Chemical Oceanography, Geological Oceanography, Fisheries Sciences or Life Science with at least 55% of marks	
155	Mass Communication	7	Master's Degree with 55% of marks in Mass Communication, Journalism, Electronic Media OR Any other subject of study with one year experience in Media and Communication related works	
118	Mathematics	1	Master's degree in Mathematics with a minimum of 55% of marks	
160	Nano Science & Technology	7	M.E/M.Tech in Nanoscience and Technology, Polymer Science and Engg., Electronics Engg., Chemical Engg./Technology, Materials Science and Engg., Mechanical Engg., Metallurgical Engg., Energy Technology, Biotechnology and other relevant subjects with 55% of marks. (OR) Masters degree in Nanoscience and Technology / Physics / Chemistry / Applied Chemistry/ Materials Science/ Biotechnology/Bio-Chemistry with 55% of marks. For SC/ST students mere pass in the above mentioned course	
120	Philosophy	3	Master's degree in Philosophy with a minimum of 55% of marks	
121	Physical Education & Sports	18	Master's degree in Physical Education with a minimum of 55% of marks	
122	Physics	12	Master's degree in Physics/ Material Science and Technology with a minimum of 55% of marks	
116	Politics & International Studies	4	Master's degree in any discipline with a minimum of 55% of marks	
123	Sanskrit	4	Master's or Acharya degree in Sanskrit with a minimum of 55% of marks	

Course Code	Subject	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
—	Social Exclusion and Inclusive Policies	0	Master's degree in Anthropology, Sociology, Social Work, Home Science, Economics and any other relevant discipline concerned with the subject of Inclusive Studies with a minimum of 55% of marks.	
153	Social Work	0	Master's degree in Social Work with a minimum of 55% of marks	
124	Sociology	2	Master's degree in Sociology with a minimum of 55% of marks	
150	South Asian Studies	8	M.A. in Political Science/ International Relations/ South Asian Studies/ Economics/ History/ Sociology or related disciplines with minimum of 55% of marks	
—	Southern Asia Studies	—	M.A. in Political Science/ International Relations/ South Asian Studies/ Economics/ History/ Sociology/ Defence Studies or related disciplines with minimum of 55% of marks	
149	Statistics	8	Master's degree in Statistics with a minimum of 55% marks	
125	Tamil	2	Master's degree in Tamil with a minimum of 55% of marks	
142	Tourism Studies	0	M.B.A Tourism, M.T.A, M.A. (Tourism), M.T.M, Master's degree in Hospitality Management, M.B.A with a minimum of 55% of marks.	
126	Women's Studies	0	Master's degree in any discipline with a minimum of 55% of marks	

\* The number includes candidates to be selected for Institute of Bioinformatics (IoB), Bangalore and Institute of Chemical Technology, Hyderabad. Candidates who have qualified for UGC -JRF/CSIR/NET/DBT-BINC are exempted from entrance exam. They can apply directly.

## PH.D. PROGRAMMES OFFERED IN THE AFFILIATED COLLEGES/ INSTITUTIONS OF PONDICHERRY UNIVERSITY

### Vector Control Research Centre (VCRC), Puducherry

(Candidates with/without fellowships, Candidates employed in research projects and permanent employees involved in research at VCRC are eligible.)

107	Chemistry	1	Master's degree in Applied or Industrial Chemistry/ Biochemistry/ Bio-Physics/ Chemistry/Chemical Sciences/Material Science/ Pharmaceutical Chemistry/ any other related areas with a minimum of 55 % of marks. In addition students should have Maths at +2 level.	
127	Epidemiology	1	MBBS/MD/MS in any branch of medical science with a minimum of 50% marks. Students should have knowledge on application of statistical techniques	

### Regional Medical Research Centre (RMRC), Port Blair, A&N Islands

128	Microbiology	6	Master's degree in the subject concerned or a Master's degree accepted as equivalent by the University with a minimum of 55 % of marks	
135	Entomology	2	Master's degree in the subject concerned or a Master's degree accepted as equivalent by the University with a minimum of 55 % of marks	

**Kanchi Mamunivar Centre for P.G. Studies (KMCPGS), Puducherry**  
(Ph.D. admissions are restricted to candidates belonging to Puducherry region only)

Course Code	Subject	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
136	Botany	6	Master's degree in the subject concerned or a Master's degree accepted as equivalent by the University with a minimum of 55 % of marks	
107	Chemistry	8	Master's degree in Applied or Industrial Chemistry/ Biochemistry/ Biophysics/ Chemistry/ Chemical Sciences/ Material Science/ Pharmaceutical Chemistry/ any other related areas with a minimum of 55 % of marks. In addition students should have Maths at +2 level.	
105	Commerce	6	Master's degree in Commerce with a minimum of 55% of marks	
109	English	2	Master's degree in English with a minimum of 55% marks.	
122	Physics	4	Master's degree in Physics/ Material Science and Technology with a minimum of 55 % of marks	
125	Tamil	9	Master's degree in Tamil with a minimum of 55% of marks	
129	Zoology	1	Master's degree in the subject concerned or a Master's degree accepted as equivalent by the University with a minimum of 55 % of marks	

**Pondicherry Engineering College (PEC), Puducherry**

107	Chemistry	5	Master's degree in Applied or Industrial Chemistry/ Biochemistry/ Biophysics/ Chemistry/Chemical Sciences/ Material Science/ Pharmaceutical Chemistry/ any other related areas with a minimum of 55 % of marks. In addition students should have B.Sc. Chemistry degree and studied Mathematics at +2 level.	
137	Civil Engineering	40	<p>(a) M.E./ M.Tech. degree in Civil Engineering with a minimum of 55% of marks or equivalent with specialization in:</p> <ul style="list-style-type: none"> <li>i) Structural Engineering</li> <li>ii) Geotechnical Engineering</li> <li>iii) Hydraulic &amp; water Resource Engineering irrigation water Management / Ocean Engg.</li> <li>iv) Transportation Engineering</li> <li>v) Advanced surveying and Photogrammetry</li> <li>vi) Environmental Engineering / Environmental Technology / Environmental Management / Advanced Construction Technology.</li> <li>vii) Geo informatics</li> <li>viii) Urban Engineering / Town &amp; Country planning</li> </ul> <p>(b) M.E. / M.Tech. degree in any branch of Engg. with a minimum of 55% or equivalent with specialization in: Energy Technology / Environmental Bio - Technology / Bio-Technology / Bio-Chemical Engg./ Industrial Biotechnology</p>	

Course Code	Subject	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
106	Computer Science & Engineering	6	M.Tech. in Computer Science and Engineering or Information Technology/ M.Tech in Electronics and/or Communication Engineering/ M.Tech. in Electrical Engineering or other related specializations in Computer, IT, Electronics and Electrical Engineering with a minimum of 55% marks OR MCA/ M.S./ M.Sc. in Computer Science/ Information Technology/ Software Engineering or equivalent with a minimum of 55% marks.	
—	Electrical and Electronics Engg.	—	Masters' degree in specializations related to Electrical and Electronics Engineering with a minimum of 55% of marks.	
138	Electronics & Communication Engg.	22	B.E./ B.Tech degree and M.E./ M.Tech degree in ECE/ Electronics/ Communication/ Other related specializations with an overall minimum aggregate of 55% of marks or equivalent	
118	Mathematics	1	Master's degree in Mathematics with a minimum of 55 % of marks	
139	Mechanical Engg.	37	Master's degree in the subject concerned or a Master's degree accepted as equivalent by the University with a minimum of 55 % of marks	
122	Physics	1	Master's degree in Physics/ Material Science and Technology with a minimum of 55 % of marks	

### Zoological Survey of India (ZSI), Port Blair

111	Ecology	2	Master's degree in Zoology/Marine Biology/Wildlife Biology/ Ecology/ Life Sciences with a minimum of 55% of marks	
132	Taxonomy	2	Master's degree in Zoology/Marine Biology/ Wildlife Biology/ Ecology/ Life Sciences with a minimum of 55% of marks	
133	Zoogeography	2	Master's degree in Zoology/Marine Biology/Wildlife Biology/ Ecology/ Life Sciences with a minimum of 55% of marks	

### Bharathidasan Womens' College (First priority to the residents of Puducherry)

134	Home Science (All branches)	2** (1 SC & 1 ST)	Master's degree in any branch of Home Science	
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\*\* Includes both part- time & Full time and Internal & External

### French Institute of Pondicherry (IFP), Puducherry

Course Code	Subject <sup>1</sup>	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
130	Indology <sup>2</sup>	4*	Masters or M.Phil. degree in Sanskrit studies: Saiva Agama-s; Saivasiddhanta, Sanskrit Grammar, Sanskrit Literature and Manuscriptology. Note: Only candidates with adequate background in Sanskrit may apply, as knowledge of read, written and spoken Sanskrit is mandatory. The question paper will be drafted in Sanskrit.	
111	Ecology <sup>2</sup>		Masters degree in Population/ community/ landscape Ecology; Distribution of species; Forest dynamics; spatial modeling; Biodiversity conservation; Forest structure; Biomass; Paleo environments, Earth sciences	
131	Geomatics <sup>2</sup>		Master's degree in the subject concerned OR in allied subject OR a Master's degree accepted as equivalent by the University with a minimum of 55 % of marks	
168	Social Sciences	4	Masters or M.Phil. degree in Urban Dynamics, Geography, Economy, Sociology, Anthropology, Medicine and Society, Risk, Circulation & Migrations, Mobility, Social Norms, Innovations, New Markets, Socio-Anthropology of food, History of food, Agrarian Study, Public Health.	

(Seven Doctoral Scholarships in the fields of Ecology, Indology and Social Sciences are offered)

1 Candidates already registered in a University are only eligible to apply for IFP Ph.D. Programmes irrespective of their nationality.

2 It will be possible to propose a subject in one of the three thematic fields at the Institute, which integrates an important part of geomatics (GIS, Remote sensing, Spatial analysis) in the application part, but also in the research part. As Department of Geomatics of IFP is a transversal service and many IFP projects are interdisciplinary, a considerable aspect of computer science is involved.

\* The best applications will be considered rather than distributing the seats subject wise.

### Dr. Ambedkar Govt. Law college, Puducherry

—	Law	—	Master's degree in Law with a minimum of 55 % marks	—
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### Frontier LifeLine Hospital & K. M. Cherian Heart Foundation, Chennai

162	Biochemical Pharmacology	3	M.Sc. Biochemical Pharmacology/ Biochemistry/ Pharmacology with a minimum of 55 % marks	
103	Biotechnology	3	Master's degree in Agriculture/ Biochemistry/ Biotechnology/ Botany/ Microbiology/ Veterinary Science/ Zoology or in any other related areas with a minimum of 55% of marks	
163	Cardiovascular Biochemistry	3	M.Sc. Biology/ Physiology/ Biochemistry/ Cell Biology/ Life Sciences with a minimum of 55 % marks	
164	Clinical Biochemistry	3	M.Sc. Biochemistry/ Clinical Biochemistry/ M.Sc. MLT/ Biotechnology with a minimum of 55 % marks	
165	Toxicology	3	M.Sc. Pharmacology/ Toxicology/ Physiology/ Biochemistry/ Cell Biology/ Biotechnology with a minimum of 55 % marks	

The name of faculty members recognised to guide Ph.D. research in the affiliated institutions are given under the Chapter "Affiliated Institutions - Ph.D. Supervisors".

### Note:

- 1) In respect of Ph.D subjects (e.g. Chemistry, Physics, etc.) which are offered both in the University Departments and in the affiliated institution(s), the candidates should appear for a common entrance examination. The selection will be based on a common merit list. The candidates will have the option to join either in the University department or in the affiliated Institution as per their choice vis-à-vis their position in the merit list, subject to fulfillment of the eligibility and residential conditions.
- 2) The intake for Ph.D programmes are subject to change based on the availability of vacancies with the concerned supervisors.

## INTEGRATED P.G. – PH.D. PROGRAMME

M.A. - Ph.D. Hindi  
 M.Sc. - Ph.D. Applied Psychology  
 M.Sc. - Ph.D. Bio-Chemistry & Molecular Biology  
 M.Sc. - Ph.D. Bioinformatics  
 M.Sc. - Ph.D. Bio-Technology  
 M.Sc. - Ph.D. Chemistry  
 M.Sc. - Ph.D. Ecology & Environmental Sciences  
 M.Sc. - Ph.D. Food and Nutrition  
 M.Sc. - Ph.D. Food Science & Technology

M.Sc. - Ph.D. Mathematics  
 M.Sc. - Ph.D. Physics  
 M.Tech. - Ph.D. Environmental Engineering & Mgt.  
 M.Tech. - Ph.D. Nano Science and Technology  
 MBA - Ph.D. International Business  
 MBA. - Ph.D. Tourism  
 M.Ed -Ph.D. Education  
 M.P.A. - Ph.D. Performing Arts  
 M.P.Ed. - Ph.D. Physical Education

### INTRODUCTION

The concern of the nation has been about enhancing the quality of research in Universities, as well as increasing the number of students pursuing research and obtaining Doctoral degrees.

Integrated Ph.D. program gives unique opportunity to obtain Ph.D. degree within a shorter duration and is very useful to the students who plan to build their career in research or higher education. This program offers research orientation from the third semester onwards by giving specialized courses in the area of research the student plans to pursue. The fourth semester is entirely devoted to research project which could be a pilot or precursor to the Ph.D. research work. On completion of all the credit requirements the student enters into the part II of the program which is entirely research.

### ADMISSION AND OTHER GENERAL CONDITIONS

1. No separate application and entrance examination for the Integrated Ph.D. Programmes.

2. Admission of students to the programmes will be made as per the merit lists of the respective regular P.G. programmes (Not exceeding 10 per year).

3. Intake will be decided by the respective Heads of Departments at the time of admission.

**4. A candidate joining the integrated Ph.D. program shall get a monthly stipend of Rs.1000/- for four semesters (20 months) and Rs.5000/- per month for the next three years extendable by one year. During the Ph.D. period, the candidate is also eligible for contingency from UGC.**

5. The students admitted to integrated Ph.D. program shall take courses of first three semesters together with the students of main stream Master's degree program.

6. Students with a CGPA of 6 or more on completion of mandated credits at the end of 4 semesters are eligible to proceed to Part II of the Ph.D. program. Others will be eligible for award of PG degree if they have completed the credit requirements for that degree.

7. The student who has CGPA of 6 or more on completion of four semesters may be permitted to exit the program with the P.G. degree on successful completion of credit requirements for that degree, however, he or she shall have to refund the entire stipend of Rs.1000/- per month paid.

8. Evaluation and award of grades during first four semester will be governed by the CBCS regulations.

9. The students of integrated Ph.D. program are advised to take additional courses in the same department or any other department in order to meet the deficiencies for pursuing Ph.D. program.

10. The successful candidate shall get two degrees after the award of Ph.D. degree namely, M.A./ M.Sc./ M.Tech., as applicable, along with the Ph.D. degree.

11. All other regulations for regular Ph.D. program also apply to integrated Ph.D. program.



## POST GRADUATE COURSES

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
349	M.A.	Anthropology	36	Bachelor's degree in any discipline with a minimum of 50 % of marks	
350	M.A.	Applied Economics	50	Bachelor's degree in Economics (with Quantitative Techniques / Statistics) or Bachelors degree in Mathematics/ Statistics/ Operations Research with a minimum of 50% of marks	
356	M.A.	English & Comparative Literature	100	Bachelor's degree in English with a minimum of 50% of marks in part III or a high second class in English under part I or Part II.	
357	M.A.	French (Translation & Interpretation)	60	Bachelor's degree in French with a minimum of 50% of marks in part-III or any degree (other than French) with a minimum of 50% of marks in part III with 55 % of marks in French under part I or II (in the 1st and 2nd year aggregate)	
358	M.A.	Hindi	26	Bachelor's degree in Hindi with a minimum of 50% of marks or any degree with Hindi as a subject of study under part I or II or any degree with rastrabhasha Praveen degree obtained from Dakshin Bharat Hindi Prachar Sabha	
359	M.A.	History	60	Bachelor's degree in History with 50% minimum marks or B.A. in social sciences (political science, economics and sociology) with history as an ancillary or subsidiary paper with 50% marks	
386	M.A.	Mass Communication	46	Bachelor's degree in any discipline with a minimum of 50 % of marks	
361	M.A.	Philosophy	31	Bachelor's degree in any discipline with a minimum of 50 % of marks	
362	M.A.	Politics and International Relations	60	Bachelor's degree in any discipline with a minimum of 50 % of marks	
363	M.A.	Sanskrit	15	Bachelor's degree in Sanskrit with a minimum of 50% of marks or Sanskrit as a subject under part I or II/ minor / optional in the bachelor's degree or traditional degree (Sastry/ Siromani/ Vidya Praveena)	
364	M.A.	Sociology	52	Bachelor's degree in any discipline with a minimum of 50% of marks	
385	M.A.	South Asian Studies	40	Bachelor's degree in any discipline with a minimum of 50 % of marks	
366	M.A.	Tamil	60	Bachelor's degree in Tamil/ B.Litt. with a minimum of 55% of marks or any Bachelor's degree (other than Tamil) having Tamil under part I with a minimum of 55% of marks	

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
313	M.Sc.	Astrophysics	10	B.Sc. Physics/ Electronics/ Mathematics/ Applied Physics with a minimum percentage of 55% of Marks in part III (OR) Four year B.E./ B.Tech. in Electronics/ ECE/ Electrical/ EEE/ Optics/ Engineering Physics/ Applied Physics/ Mechanical/ Instrumentation/ Computer Science with a minimum of 55% in main subjects.	
367	M.Sc.	Applied Geology	35	Bachelor's degree in Geology as the major subject and any two out of the following - Mathematics, Physics, Chemistry, Biology as ancillary subjects with a minimum of 55% of marks	
388	M.Sc.	Applied Psychology	52	B.A./ B.Sc. (Hons) three years course in Psychology with at least 55% marks OR Bachelor's degree with at least 55% marks in aggregate in any discipline with Psychology as one of the subjects for three years.	
368	M.Sc.	Biochemistry & Molecular Biology	52	Bachelor's degree in Biochemistry/ B.Sc. (M.L.T.)/ Chemistry/ Botany/ Zoology/ Biotechnology / Microbiology or any other branch of Life Sciences with a minimum of 55% of marks	
378	M.Sc.	Bioinformatics	40	Bachelor's degree in any relevant area of Physics/ Chemistry/ Computer Science/ Life Science/ with a minimum of 55% of marks	
303	M.Sc.	Biotechnology	32 (23* + 9**)	Bachelor's degree in Agriculture/ Biochemistry/ Biotechnology/ Botany/ Microbiology/ Veterinary Science/ Zoology or in other related areas with a minimum of 55% of marks	
369	M.Sc.	Chemical Sciences	60	Bachelor's degree in Chemistry (Main) or with Chemistry as one of the major subjects with a minimum of 55% of marks and Mathematics at plus two level	
310	M.Sc.	Computational Biology #	24 (12 per Univ.)	Minimum of 55% of marks in Bachelor's degree in any relevant area of Bioinformatics/ Physics/ Chemistry/ Mathematics/ Biotechnology/ Biochemistry/ Microbiology/ Plant Biology/ Botany/ Animal Biology/ Zoology/ B.Tech in Bioinformatics, Biotechnology, Industrial Biotechnology, Pharmaceutical Technology, Food Technology, Chemical Engineering/ B.E. in Information Technology, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Instrumentation, Electronics and Communication Engineering, Mechanical Engineering, Biomedical Engineering/ with Maths at +2 level compulsory	
370	M.Sc.	Computer Science	60 + 30	Bachelor's degree in Computer Science/ Technology/ Applications with a minimum of 55% of marks	
379	M.Sc.	Disaster Management	31	Bachelor's degree in any discipline in Science/ B.A. Geography/ B.E. Civil Engineering / Electrical and Electronics Engineering with a minimum of 55% of marks	

\* Students are admitted based on merit in the All India entrance examination conducted by Jawaharlal Nehru University, New Delhi

\*\* Students are admitted based on merit in the entrance examination conducted by Pondicherry University.

# Network teaching programme in collaboration with Anna University, Chennai and Madurai Kamaraj University, Madurai. Admission to Anna University, Madurai Kamaraj University will be based on the entrance exam conducted by Pondicherry University. 2013-15, Madurai Kamaraj University will not be admitting students.

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
371	M.Sc.	Ecology & Environmental Sciences	60	1. Bachelor's degree in any discipline, i.e. in Science, Arts, Humanities, Technology, etc. with a minimum of 55% of marks and working knowledge of Mathematics and Science subjects at higher secondary level. 2. Must secure a minimum of 37.5% Eligibility-cum-Entrance Examination for General Category [i.e. 150 marks out of 400], 33.75% for OBC [i.e. 135 marks out of 400] and candidates belonging to SC/ST, a minimum of 25% [100 out of 400].	
387	M.Sc.	Electronic Media	46	Bachelor's degree with Journalism / Business Management /Physics/ Electronics/ Computer Science/ Mathematics/ Statistics/ Visual Communication as one of the subjects with a minimum of 55% of marks OR Bachelor's Degree with a minimum of 55% of marks and having one year diploma in Computer Applications or one year working experience in video production in a recognised organisation	
389	M.Sc.	Food Science and Nutrition	40	Bachelor's degree in food and Nutrition/ Food Technology/ Food Science and Quality Control/ Clinical Nutrition and Dietetics or Composite/ General Home Science/ Biochemistry/ Biotechnology /Microbiology/ Agriculture dairy or fisheries or any other allied science subjects under life sciences at B.Sc. level with a minimum of 55% of marks	
396	M.Sc.	Food Science and Technology	18	B.Sc./ B.Tech in Agriculture/ Agricultural Engineering/ Home Science/Food Technology/Food Science and Nutrition/Food Science and Quality Control/ Clinical Nutrition/Biochemistry/ Biotechnology/ Microbiology and other life science related subjects. Maths at +2/ PUC level is compulsory	
373	M.Sc.	Marine Biology (at Port Blair)	52	Bachelor's degree in Microbiology/ Biotechnology/ Genetics/ Marine Biology/ Fishery Biology/ Botany / Zoology with a minimum of 55% of marks	
372	M.Sc.	Mathematics	64	Bachelor's degree in Mathematics with a minimum of 55% of marks	
308	M.Sc.	Microbiology	25	Bachelor's degree in Microbiology/ Biochemistry/ B.Sc. (M.L.T.)/ Chemistry/ Botany/ Zoology/ Biotechnology or any other branch of Life Sciences with a minimum of 55% of marks	
374	M.Sc.	Physics	60	Bachelor's degree in Physics with a minimum of 55% of marks	
314	M.Sc.	Quantitative Finance	30	A candidate who has secured 55% marks or above in any one of the following or equivalent is eligible to apply. B. Sc. (Maths), B. Sc. (Statistics), B.Com (with Mathematics), B.A(Eco) (With Mathematics), Bachelor's degree in Engineering (Computer Science & Engineering/ Information Technology) or Bachelor's degree in Computer Science/Computer Applications/ Information Technology.	
375	M.Sc.	Statistics	60	Bachelor's degree in Statistics or Mathematics with Statistics as a allied subject with a minimum of 55% of marks	

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
376	M.Tech.	Computer Science & Engineering	24	B.Tech./ B.E. in Computer Science and Engineering Engineering/ Information Technology or M.Sc. in Computer Science/InformationTechnology/ Software Engineering or MCA with Bachelor's degree in Computer Science/ Computer Applications/ Mathematics/Statistics/ Physics/ Electronics/ Applied Sciences with a minimum of 55% of marks	
304	M.Tech.	Electronics	30	B.E./ B.Tech. in EEE, ECE, E&I, M.Sc. Electronic Science, Physics with Electronics/ Material Science with Electronics/ Solid State Technology with Electronics with a minimum of 55% of marks	
393	M.Tech.	Environmental Engineering & Management	24	B.Tech. / B.E. degree with a minimum of 55% of marks. OR M.Sc. in Physics/Chemistry /Mathematics/ Life / Environmental Sciences with a minimum of 55% of marks	
306	M.Tech.	Exploration Geosciences	8	Master's degree in Geology/ Applied Geology, Marine Geology with a minimum of 55% of marks	
307	M.Tech.	Green Energy Technology	26+4* (* SAF Sponsored)	B.E/B.Tech in Mechanical, Electrical, Civil, Electronics, Chemical or Biotechnology or M.Sc in Physics, Chemistry, Material Science, Nanoscience or Photonics with Mathematic at B.Sc level with at least 55% marks in qualifying examination.	
305	M.Tech.	Nano Science & Technology	26	M.Sc. (Physics / Chemistry / Applied Physics / Electronics / Materials Science); BE / B.Tech (Electronics/ Electrical / Instrumentation/ Mechanical / Chemical/ Metallurgy & Materials Engineering / Biotechnology) Passed students with overall marks of 55% in the above mentioned graduate courses. For SC/ ST students mere pass in the above mentioned courses.	
394	M.Tech.	Network & Internet Engineering	24	B.Tech. / B.E. in Computer Science and Engineering / Information Technology / Engineering Electronics & Communication Engineering / Electrical and Electronics Engineering / Electronics & Instrumentation Engineering with a minimum of 55% of marks OR M.Sc., in Computer Science / InformationTechnology / Software Engineering with a minimum of 55% of marks OR MCA with Bachelor's degree in Computer Science / Computer Applications / Mathematics / Statistics / Physics / Electronics / Applied Science with a minimum of 55% of marks in each degree	

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
381	M.B.A.	Banking Technology	72 (5 sponsor)	Bachelor's degree in Engineering (Computer Science & Engineering/Information Technology) or Bachelor's degree in Computer Science/ Information Technology or Bachelor's of Computer Applications or Bachelor's Engineering degree in ECE, Electrical and Electronics Engineering, Electronics and Instrumentation, Instrumentation and Control Engineering or B.Com. (Computer Applications) or any other Bachelor's degree with PGDCA (only from recognized universities) with a minimum of 55% marks in all degrees/ diploma	
397	M.B.A.*	Business Administration	138 <small>(118 through CAT score + 2 Andaman &amp; Nicobar + 18 Foreign students)</small>	Bachelor's degree in any discipline with a minimum of 50 % of marks. (M.B.A. candidates who desire to join MBA programme should have CAT(Common Admission Test) scores. Selection from among those short-listed candidates on the basis of the CAT scores, is made in Puducherry through group discussion and personal interview which are normally scheduled in March. A separate advertisement has been made for this course.)	
395	M.B.A.	Insurance (Karaikal)	40	Graduates must be (10+2+3/4/5 pattern) with a minimum average of 50% marks (in Part III in case of arts, science, commerce, humanities etc. degrees and in case of other professional degrees like engineering in the applicable years of graduation). The graduation can be in any discipline, but from a recognized university from India or abroad.	
382	M.B.A.	International Business	72	Bachelor's degree in any discipline with a minimum of 50 % of marks	
383	M.B.A.	Tourism	72	Bachelor's degree in any discipline with a minimum of 50 % of marks	
352	M.C.A.	Computer Applications	120 <small>(Puducherry)</small> 40 <small>(Karaikal)</small>	Bachelor's degree in Computer Applications/ Computer Science/ Information Technology or Bachelor's degree in Commerce/ Corporate Secretaryship/ Economics / Business Administration with Mathematics/ Business Mathematics / Statistics /Computer Applications as one of the subjects or Bachelor's degree in Science with Mathematics/ Statistics as one of the subjects with a minimum of 55% marks	

351	M.Com.	Business Finance	120 <small>(Puducherry)</small> 40 <small>(Karaikal)</small>	Bachelor's degree in Commerce/ Foreign Trade/ Corporate Secretaryship/ B.B.A./ B.C.M./ B.A Co-op./ B.Com. (Edn.)/ B.Com.(Vocational) with a minimum of 50% of marks	
311	M.Com.	Accounting & Taxation	60	Any Bachelor's degree in Commerce or any other degree with degree level papers in Accounting are eligible with a minimum of 50% of marks	
392	M.Ed.	Master of Education	40	B.Ed. degree / Four year Integrated B.A. Ed./ B.Sc. B.Ed. / B.Com. Ed. of recognised universities with a minimum of 50% of marks	

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
390	M.L.I.S	Master of Library and Information Science	35	Any degree with a minimum of 50 % of marks	
354	M.A.	Master of Performing Arts (Theatre Arts)	31	Bachelor's degree in any discipline with a minimum of 50 % of marks	
377	M.P.Ed.	Physical Education	62 + 8	(i) Bachelor of Physical Education (B.P.Ed.) or Bachelor of Physical Education (B.P.E. 3 years) with a minimum of 50% of marks (ii) should have represented the District/ College and participated in inter district/ inter collegiate tournaments/ competitions in any one of the games or sports. (iii) should be medically fit (iv) Physically challenged candidates are not eligible to apply. (a) Physical fitness tests: Maximum: 30 marks (10 marks for each event)	
				Men	Women
				100 meters Shot-put (16 lbs) 12 minutes run/ walk	100 meters Shot-put (8 lbs) 8 minutes run/ walk
				(b) Games Proficiency Test in any one of the following games: Badminton, Basketball, Cricket, Football, Handball, Hockey, Kabaddi, Kho-Kho and Volleyball. Maximum: 20 marks. (c) Entrance examination: 50 marks.	
391	M.S.W.	Master of Social Work	40	Bachelor's degree in any discipline with a minimum of 50 % of marks	
312	L.L.M	Corporate Law	25	L.L.B. Degree with not less than 50% of Marks (45% in case of SC/ ST) in the aggregate in all the 3 years/ 5years of the L.L.B. Degree Course	

### Five Year Integrated M.Sc. Programme for +2 Students in the School of Physical, Chemical and Applied Sciences

380	M.Sc.	Applied Geology	31	Pass in +2 with 50% of marks and should have studied Physics, Chemistry and Mathematics	
	M.Sc.	Chemistry	31	Pass in +2 with 50% of marks and should have studied Physics, Chemistry and Mathematics	
	M.Sc.	Physics	31	Pass in +2 with 50% of marks and should have studied Physics, Chemistry and Mathematics	

### Five Year Integrated M.A. Programme for +2 Students in the School of Social Sciences and International Studies

315	M.A.	History	20	Pass in +2 with 50% of marks	
	M.A.	Political Science	20		
	M.A.	Sociology	20		

### Five Year Integrated M.Sc. Programme for +2 Students in the Ramanujan School of Mathematical Sciences

Course Code	Title of P.G. course and Subject		Intake	Eligibility criteria for admission	Date & time of Entrance Examination
384	M.Sc.	Mathematics	20	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)	
	M.Sc.	Computer Science	20		
	M.Sc.	Statistics	20		

### Five Year Integrated M.Sc. Programme for +2 Students in the School of Management

309	M.Sc.	Economics	30	Pass in +2 with a minimum of 50% of marks and should have studied Mathematics as one of the papers	
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### M.Sc. Programmes in Basic Clinical Sciences offered at affiliated Medical Colleges \*

501	M.Sc.	Anatomy	18*	Bachelor's degree in Zoology / Genetics / Botany / Biotechnology / Medical Lab Technology or any other branch of Life Sciences including Molecular Biology with a minimum of 55% marks from a recognized University in India. Candidates with MBBS degree recognized by MCI are also eligible to apply.	
502	M.Sc.	Medical Biochemistry	18*	Bachelor's degree in Chemistry / Biochemistry / Biotechnology / Medical Lab Technology or any other branch of Life Sciences including Molecular Biology with a minimum of 55% marks from a recognized University in India. Candidates with MBBS degree recognized by MCI are also eligible to apply.	
503	M.Sc.	Medical Microbiology	18*	Bachelor's degree in any branch of Life Sciences, including Molecular Biology / Microbiology / Biotechnology / Botany / Zoology / Medical Lab Technology. Candidates with MBBS degree recognized by MCI are also eligible to apply.	
504	M.Sc.	Pharmacology	18*	Bachelor's degree in Chemistry / Pharmacy / Biotechnology / Zoology / Medical Lab Technology or any other branch of Life Sciences including Molecular Biology with a minimum of 55% marks from a recognized University in India. Candidates with MBBS degree recognized by MCI are also eligible to apply.	
505	M.Sc.	Physiology	18*	Bachelor's degree in Zoology / Genetics / Botany / Biotechnology / Medical Lab Technology or any other branch of Life Sciences including Molecular Biology with a minimum of 55% marks from a recognized University in India. Candidates with MBBS degree recognized by MCI are also eligible to apply.	

\* (1) Pondicherry Institute of Medical Sciences, (2) Sri Manakula Vinayagar Medical College and Hospital  
(3) Sri Venkateswara Medical College and Research Center

## P.G. DIPLOMA PROGRAMME

For admission to P.G. Diploma Courses, candidates possessing the eligibility criteria indicated below and qualified under 10+2+3 system of study are eligible to apply.

Course Code	Course	Intake	Eligibility criteria for admission	Date & time of Entrance Examination
482	Food Safety and Quality Assurance in Food Industry	15	M.Sc. in Food Science and Nutrition, Food Science and Technology/ Biotechnology/ Microbiology/ or M.Tech. in Food Technology/ Biotechnology with a minimum of 55% marks or B.Tech. in Food Technology/ Biotechnology with at least 5 years of Industry experiences.	



# SCHOOLS AND DEPARTMENTS

# SUBRAMANIA BHARATHI SCHOOL OF TAMIL LANGUAGE AND LITERATURE

Dean: Prof. Dr. R. NALANGILLI

The Department of Tamil was started in 1986. It has been promoted as Subramania Bharathi School of Tamil Language and Literature in 2003. The School is functioning with the following academic and research activities for betterment of Tamil Language & Literature.

Every year, the School of Tamil is conducting the following Tamil Literature functions for the benefit of the students, scholars as well as faculty members of the School of Tamil.

1. Endowment Lectures ;14
2. Guest Lectures : 25  
(each academic year)
3. Bharathi Day Celebration: As part of the birth anniversary of the

National Tamil poet Bharathi.  
4. Students interaction programmes with eminent Tamil scholars from leading Tamil institution.

The School has UGC sponsored Special Assistance Programme (Phase – II) in the following two research areas from 2009-2014.

- (i) “The contribution of Puducherry to the Development of Tamil Literature”.
- (ii) “The Prosody of Tamil Literature through the Ages”

The School has produced more than 100 Ph.Ds. At present 55 scholars are doing research for Ph.D., in the School. 30 Students/Scholars are qualified for UGC-

JRF, 07 Students/Scholars are qualified for UGC-NET, 09 students/scholars are qualified for SET, 04 students/scholars are qualified for UGC-RGNF and 1 student/scholar is qualified for CICT for the year 2012.

This School offers facilities for intensive teaching and research in different areas of Tamil Literature such as Sangam Literature, Epic Literature, Devotional Literature, Modern Literature, Comparative Literature, Tamil Grammar and Folkore. The thrust area of the School is literary Theory and Grammar.

## PROGRAMMES OF STUDY

**M.A. Tamil**  
**Ph.D. Tamil**  
**Certificate Course** in Tamil (Add on)

## ENTRANCE EXAMINATION

**M.A.** The written examination will consists 70 % of the Objective Type Questions and 30% of the Descriptive Type of Questions on Tamil language, literature and culture.

**Ph.D.** The written paper will consist 70 % of the Objective Type Questions and 30% of the Descriptive Type of Questions on Tamil language, literature and culture

## FACULTY

### Professors

**A. Arivunambi, Ph.D.**  
 (Madurai Kamaraj University, Madurai)  
*Specialization:* Epics, Ancient Literature, Dramatics and Folklore.

**R. Nalangilli, Ph.D.** (University of Madras, Chennai)  
*Specialization:* Comparative Literature and Literary Theories.

**K. Ilamathy Janakiraman, Ph.D.**  
 (Annamalai University, Chidambaram)  
*Specialization:* Siddha Literature, Religious Literature, and Creative Literature.

**M.S. Arivudainambi, Ph.D.** (Madurai Kamaraj University, Madurai), D.Litt ( Tamil University, Thanjavur )  
*Specialization:* Tamil Literature, Saiva Samayam, Fine Arts and Manuscriptology

**M. Mathialagan, Ph.D.**  
 (Annamalai University, Chidambaram)  
*Specialization:* Modern Literature , Literary Criticism.& Diaspora Literature

**A. Thirunagalingam, Ph.D.**  
 (Pondicherry University, Puducherry)  
*Specialization:* Folklore, Ancient Tamil Grammar, Marxism and Literature.

### Associate Professor

**M. JEEVA, Ph.D.** (Pondicherry University, Puducherry)  
*Specialization:* Post Modernism, Semiotics, Theatre Arts

### Assistant Professor (Senior Scale)

**M. Karunanidhi, Ph.D.** (University of Madras, Chennai)  
*Specialization:* Folklore and Manuscriptology.

### Assistant Professor

**B. Ravikumar, Ph.D.**  
 (Pondicherry University, Puducherry)  
*Specialization:* Modern Literature, Literary Criticism & Creative Literature

**R. Srividhya, Ph.D.,**  
 (Pondicherry University, Puducherry)  
*Specialization:* Modern Literature, Feminism & Post colonialism.

# SCHOOL OF MANAGEMENT

Dean: Dr.K.Chandra Sekhara Rao

## **Puducherry Campus**

Department of Management Studies

Department of Commerce

Department of Economics

Department of Tourism Studies

Department of Banking Technology

Department of International Business

## **Karaikal Campus**

Department of Management

Department of Commerce

School of Management (SOM) is one of the popular Schools of Excellence in the campus primarily focusing on the business related courses since the very inception of this University.

The Department of Management Studies offers MBA & Ph.D. programmes, the Department of Commerce offers M.Com. (Business Finance), M.Com.(Accounting &Taxation) and Ph.D . Programmes. The Department of Economics offers M.A (Applied Economics), M.Sc. Five Year Integrated Programme in Economics, Ph.D. programmes , the Department of Tourism Studies offer an MBA programme in Tourism and Ph.D. programme, the Department of Banking Technology offers a specialized MBA programme in Banking Technology and Ph.D . programme and the Department of International Business offers MBA with specialization in International Business and Ph.D programme.In Karaikal Campus, the Department of Management offers MBA in Insurance Management and Ph.D. programme and the Department of Commerce Offers M.Com (Business Finance) and Ph.D programme.

## **MAJOR THRUST AREAS OF TEACHING & RESEARCH**

School of Management is providing specialized skill based academic environment with focus on teaching and learning in the field of

- General Management

- Functional Area like Finance/Hr/ Marketing/system
- Specialized and Interdisciplinary area like Banking Technology/Tourism/ Insurance and International Business.
- Corporate Accounting,Taxation and Business Finance
- Basic and Applied area of Economic Theory.

Faculty of School Of Management is Conducting Research at Ph.D level in the following Major field.

- Production and Operation Management
- Human Resource Management
- Marketing Strategy and Brand management
- Financial Services And Financial Engineering
- IT application in Banking
- Insurance and Risk Management
- Monetary Policy and RBI operation
- Micro Finance
- Commodity Derivates.
- Tourism and Hospitality Management

## **INFRA STRUCTURE:**

All the departments in School of management are well equipped with Air condition classrooms, Wi-Fi environment. All the Departments have well qualified full time core faculty supported by Adjunct/visiting Faculty from Industry. Every Department has a dedicated Computer Lab with domain specific Softwares. The School has a Mini –Auditorium, School Library and a separate Lecture Hall Complex.

School Subscribes to advance databases like CMIE i3 data services, Bloomberg database in addition to E resources, HBR cases, SPSS software, Indian Economy Databases, Capital Line etc.

## **PLACEMENT FOCUS**

The School of Management offers the above said programmes with a total placement focus. While the regular MBA students are found getting good placements in leading MNCs and large Public Limited Companies involved in manufacturing, service industry as well as in high profile Software Industry, the MBA (Tourism) students are finding total placement in travel and tourism industries as well as in hospitality business. M.Com. (Business Finance) programme offered by Department of Commerce has attracted the attention of companies which are involved in Finance and Investment, Fund Management, Stock Broking, Banking and Non-Banking activities. M.A. Economics students are found in great demand in those organizations involved in policy making such as National Institutes devoted for Economic development, RBI, Government department of Economics & Statistics, etc. MBA Banking Technology degree programme started drawing attention of top leading banks and software companies concentrating on banking software.

The students of MBA programme of the Department of International Business are finding placement in leading industries in India, including MNCs.

# DEPARTMENT OF MANAGEMENT STUDIES

## School of Management

The Department of Management Studies (DMS) has the unique privilege of starting MBA program in Pondicherry University in 1986. For the past 27 years it has been catering to the needs of man power requirements of Industry by organizing MBA Programme in five major thrust areas of production, marketing, HR, Finance and Information systems. DMS is fully funded and supported by the University Grants Commission (UGC) and the MBA programme was recognized by the All India Council for Technical Education (AICTE) of the Government of India. Department of Management Studies has a sanctioned intake of 138 seats [which include 118 through CAT Score + 2 Andaman & Nicobar + 18 Foreign student]. Its Alumni hold high and coveted positions in private sector, Government and Academia in India and abroad.

## PROGRAMMES OF STUDY

**M.B.A.** (Electives in Production, Marketing, Finance, HR and Information systems)  
**Ph.D.** Management

## ENTRANCE EXAMINATION

Admission to MBA programme offered by DMS is based on the CAT score secured by aspiring student. Shortlisted candidates based on CAT scores will be invited for Group Discussion followed by Personal Interview conducted at Pondicherry University

Candidates will be admitted for the PhD Programmes based on All India Admission Test conducted by Pondicherry University (For further details refer to Ph.D. admission requirements). The eligibility for this program is as follows: Master's degree in Management, Commerce, Industrial Engineering, Industrial Management, Production Engineering, Foreign Trade, Operations Research, Statistics, Public Administration, Sociology, Social Work, Economics, Psychology, Tourism, Hospitality, Hospital Management, Business Administration, Mass Communication and other relevant disciplines with a minimum of 55% of marks. Candidates with affiliation to Examination Oriented Professional bodies such as ICAI, ICSI and ICWAI and any other relevant disciplines may also be considered.

## MBA PROGRAMME

The 2-year (4 semesters) full-time Master's Program in Business Administration prepares students for professional careers in management. While the first year is devoted to Foundational courses, second year enables the students to gain in-depth knowledge in different specializations chosen by the student.

The course structure of the MBA program comprises of core and elective papers.

The core papers equip students with conceptual knowledge in the basic areas of management. The elective papers help students to enhance their application oriented skills in a functional area of management such as Finance, Marketing, Human Resource, Systems and Operations.

## THRUST AREAS OF RESEARCH

1. Marketing
2. Finance
3. Human Resources Management
4. Operations & Supply Chain

## INFRASTRUCTURE FACILITIES

Department of Management Studies is well equipped with Seminar Hall, Class rooms, computer center.

## PLACEMENTS

Leading IT/ ITES, Private & Public sector banks/ Indian as well as Multinational corporations regularly visit the campus for placement. These include TCS, HCL, Infotech, Cts, Polaris, Wipro, Ford, COCO-COLA, Mind Tree, CUB, Bank of Maharashtra, KVB, LVB, Indian Bank, Etc.

## FACULTY

### Professors

**R. Panneerselvam, Ph.D.** (Anna University, Chennai)  
*Specialization:* Management, Systems,

Operations Research & Quantitative Techniques

**M. Basheer Ahmed Khan, Ph.D.** (A.M.U. Aligarh) – (on EOL as Vice-Chancellor, SMK University, Jharkhand)

*Specialization:* Marketing Management, Marketing Research, Business laws, Management of Environment System & Human Resource Management

**R.Prabhakara . Raya, Ph.D.** (Andhra University, Vizhakatnam)

*Specialization:* HRM in KBO's, Personal Effectiveness including 3P [Profitability-Productivity-Parenting];

Management System for Rural Empowerment, Decent Work Norms & Alternative Livelihoods & E-Governance Processes.

**S. Hariharan, Ph.D.** (Bharathidasan University, Trichirapalli) (Deputation to ASC, Pondicherry University)

*Specialization:* Managerial Finance, Managerial Accounting, Corporate Finance and Strategic Cost Accounting.

**T. Nambirajan, Ph.D.** (Pondicherry University, Puducherry)

*Specialization:* Production & Operations Management, Cellular Manufacturing Systems,

Supply Chain Management, MIS, E- Commerce, System Analysis & Design, Statistics, DBMS,

Total Quality Management & Oracle.

### Associate Professors

**Chitra Sivasubramanian, Ph.D.**

(Madurai Kamaraj University, Madurai)

*Specialization:* Human Resources Management, Industrial Relations, Organizational Behaviour, Research Methodology, Training & Development, Principles of Management, Retail Management, Strategic Management & Compensation Management.

**Uma Chandrasekaran, Ph.D.**

(Pondicherry University, Puducherry)

*Specialization:* Marketing & Brand Management, Consumer Behaviour & CRM and Services Marketing.

**B. Charumathi, Ph.D.** (University of Madras, Chennai)  
*Specialization:* All areas of Accounting & Financial Management (including sectoral), HRD, Entrepreneurship including Women Entrepreneurship and Project Management, Banking, Marketing of Financial Services & Financial Engineering

**S. Victor Anand Kumar, Ph.D.**  
 (Cochin University of Science and Technology)  
*Specialization:* Marketing and Information Systems Management, International Marketing, Internet Marketing, Tourism Marketing & Executive Skills Development

## Readers

**R. Kasilingam, Ph.D.** (Alagappa University, Karaikudi)  
*Specialization:* Financial Management, Management Accountancy, Working Capital Management, Business Law, Security Analysis & Portfolio Management, Merchant Banking, Investment Management, Valuation Management, Financial Markets, International Finance, Derivatives, Strategic Cost Accountancy, Financial Services.

**R. Venkatesakumar, Ph.D.** (VIT University, Vellore)  
*Specialization:* Marketing Management, Quantitative Methods, Marketing Research, Research Methodology, Statistics, Operational Research.

## Assistant Professors

**L. Mothilal, Ph.D.** (Osmania University, Hyderabad)  
*Specialization:* Business Environment, Customer Service & Relationship Management, Sales & Distribution Management, Infrastructure Planning, E-Governance, Public Systems Management and Issues in Globalization

**S. Riasudeen, Ph.D.** (University of Madras, Chennai)  
*Specialization:* Business Law, Human Resource Management, Group Dynamics, Cross-cultural Management, Compensation Management, Strategic Human Resource Development

**B. Rajeswari, Ph.D.**  
*Specialization:* Marketing Management, Operation Management, Strategic Management, Advertising & Sales Promotion, Customer Relationship Management, Total Quality Management.

**K. Lavanya Latha, Ph.D.**  
 (Sri Venkateswara University, Tirupati)  
*Specialization:* Marketing & Human Resource Management, Entrepreneurship

**G. Madan Mohan, M.Phil.**  
*Specialization:* Financial Management, Corporate Finance, Project Management, Business Law, Managerial Economics, Working Capital Management, Strategic Management.

# DEPARTMENT OF COMMERCE

## School of Management

The Department of Commerce is one of the pioneering departments of Pondicherry University. Differentiating itself from the traditional M.Com course the Department came into existence to offer a much sought for specialized Post-Graduate course in Commerce in form of M.Com(Business Finance) with the focus on 'Finance'. The department aims at imparting indepth knowledge and professional skills required for handling the "Finance Functions" of business entities and corporate enterprises. The students of this course with their acquired knowledge and skills, find themselves well equipped for the activities like Investment Management, Portfolio Management, Treasury Management, Security Market Operation, Forex Dealing, Accounting Fund Management, Project Execution and Management, Multinational Financial Management, Derivatives Management, Taxation Management, Bank Management etc.

The Department has introduced another specialized M.Com. (Accounting & Taxation) programme from the academic year 2011-2012. This course is designed to fill the man power requirement having Accounting and Taxation knowledge other than professional courses like Chartered Accountancy and Cost Accountancy in the corporate sector. The Department also offers Ph.D. Programme in the field of Finance, Banking, Marketing and Personnel Management. The Department imparts knowledge through lectures, interactive sessions, case analysis, group discussions on contemporary themes, internship training & project work. Besides, career guidance & counseling, institute-industry interaction programme, application of ICT, industrial/field visits, educational tour and students' participation in academic activities of Universities and other institutions are also arranged.

The Department is supported by UGC under SAP (DRS) to achieve academic excellence with the thrust on one of the most contemporary areas in finance i.e. "Derivatives and Risk Management". The Award of SAP is a proof of the capability and credentials of the learned faculty of this department and the team work.

### PROGRAMMES OF STUDY

**M.Com.** Business Finance  
**M.Com.** Accounting & Taxation  
**Dual Degree. M.Com.** and **MBA** (Business Administration)  
**Ph.D.** Commerce (Full Time and Part-Time)  
**PG Diploma** in Investment Management (Add-on Course)

### ENTRANCE EXAMINATION

The admission for the course is based on national level entrance examination. The entrance examination for admission to M.Com. (Business Finance) and M.Com. (Accounting & Taxation) Degree programmes consist of objective type questions. These questions are mostly aimed at assessing the candidate's basic understanding of concepts in Accounting, Banking, Organizational Behaviour, Taxation, Insurance, Costing Statistics, Auditing, Legal Aspects of Business, Business Economics, Foreign Trade, Corporate Secretaryship, Cooperation and such alike.

The admission to Ph.D. Programme is based on the vacancies available with eligible guides and the field of specialization that a scholar wants to pursue. The admission to Ph.D. programme is based on All India Admission Test following an Interview. The written test is of objective type, similar to the JRF NET examination conducted by UGC. JRF qualified candidates are exempted from Entrance examination.

### PLACEMENT

The students belonging to this programme find placement in finance divisions of major MNCs like IBM, FORD, TCS, HLL, HCL, Ponds India Ltd., Fund Management & Stock Broking Consultants, Software Companies concentrating on Accounting Solutions, in addition to a good number of placements in Banking and Insurance sectors like RBI, Laxmi Vilas Bank, ICICI Bank, etc. The department also has produced high quality research works and the research scholars of this department have got placement in reputed business school like IIM(Indore), XLRI, IIM(Calcutta), NIBM, TAPMI and Universities like Pondicherry University, Alagappa University, Anna University, M.S. University, Karunya University, Bharathiar University, Periyar University and Bharathidasan University, Christ University etc.

Some of the students, after completing M.Com., pursue Ph.D. programme. Our students have got admission in reputed institutions like IIS, IIT Mumbai, Delhi University, Hyderabad Central University, IFMR NIRMA Institute of Management, IIMs etc. for their Ph.D. degree.

### FACULTY

#### Professor

**P. Palanichamy, Ph.D.** (Pondicherry University)  
*Specialization:* Banking Financial Institutions & Markets, Organization Behaviour and Personnel Management, Forex & Global Financial Markets, Indian Financial System.

**Malabika Deo, Ph.D.** (Pondicherry University)  
*Specialization:* Business Statistics, Financial Management, Portfolio Management, International Finance, Operation Research and Derivative Management

**P. Natarajan, Ph.D.** (Alagappa University)  
*Specialization:* Project Management, Entrepreneurship Development, Fund Management and International Business.

## Associate Professors

**D. Lazar, Ph.D.** (Madras University)

*Specialization:* Corporate Finance, Micro Finance, Personal Finance, International Financial Management, Investment and Portfolio Management, Derivative Management, Financial, Cost and Management Accounting.

**G. Shanmugasundaram, Ph.D.** (Pondicherry University)

*Specialization:* Accounting, Financial Management, Security Analysis, Derivatives Management, Research Methodology

## Assistant Professor (Selection Grade)

**S. Aravanan, M.Phil.** (Pondicherry University)

*Specialization:* Securities Analysis, Taxation, Accounting, Financial Management & Forex Management, Investment Management, Stock Market Operations.

## Assistant Professors

**K.B. Nideesh, M.Com.** (Calicut University)

*Specialization:* Taxation, Finance, political Economy.

**P.S. Velmurugan, Ph.D.** (Pondicherry University)

*Specialization:* International Trade, Credit Insurance, Financial Management, Financial Markets and Institutions, Multinational Finance & Marketing Management.

**S. Shijin, Ph.D.** (IIT, Madras)

*Specialization:* Investment and Portfolio Management, Financial Statement Analysis, Accounting, Statistical Methods for Data Analysis



# DEPARTMENT OF ECONOMICS

School of Management

The Department of Economics was established on 15-12-1986 and during the last twenty five years the Department has carved out a niche in the Economics Education Map of India. The Department is discharging three functions namely Teaching, Research and Extension. So far, it has produced a large number of Post Graduates, M.Phil's and Ph.D's who are placed in some of the premier Institutions in the Country and elsewhere. Also, the Department has emerged as a Centre for Training officials from Government and Corporate sectors, especially in the area of Econometrics.

## PROGRAMMES OF STUDY

**M.A.** Applied Economics

**M.Sc.** Economics (Five Year Integrated Programme)

**Ph.D.** Economics (Full-Time, Part-Time (Internal & External))

## ENTRANCE EXAMINATION

The selections for P.G. and Ph.D. programmes are based on a written examination of 2 hours duration. For M.A. degree programme, the question paper is based upon U.G. degree course syllabus, while P.G. degree course syllabus is the basis for Ph.D. entrance tests. For M.Sc., Economics, the question paper is based on Plus Two syllabus in Mathematics and general awareness.

## THRUST AREA OF RESEARCH

The thrust areas of research are Macroeconomics, Money and Banking, International Economics, Financial Economics, Applied Econometrics, Public Finance, Gender Studies and Agricultural Economics. Faculty members have published several articles in reputed international journals like Economics Letters; Economic Modelling, Journal of Policy Modeling; Oxford Economic papers; Journal of Asian Economics; Applied Economics Letters; Macroeconomics and Finance in Emerging Economies; Research in International Business and Finance; Singapore Economic review and national journals like Artha Vijnana; Indian Economic Journal; Journal of Rural Development; Journal of Quantitative Economics; Indian Journal of Labour Economics; Indian Journal of Agriculture Economics; Asian-African Journal of Economics and Econometrics; Man-Power Journal; Margin; Prajnan; etc. The faculty members are also engaged in projects funded by the Ministry of Education, GOI, Government of Puducherry, University Grants Commission, Reserve Bank of India and ICSSR.

## INFRASTRUCTURE FACILITIES

All the classrooms are equipped with state of the art technology. The department has established an advanced Computer Lab with internet facilities.

## PLACEMENTS:

Several students have cleared UGC-NET and SLET Examinations. Some of the students who completed P.G Programme are doing M.Phil/Ph.D. with fellowships in IIT,

Mumbai; Centre for Development Studies, Trivandrum; Jawaharlal Nehru University, New Delhi; University of Hyderabad; Institute for Social and Economic Change, Bangalore; TATA Institute of Social Sciences, Mumbai; etc. Some are employed as faculty members in various educational institutions, executives in multinational companies/banks and in Indian civil services.

## FACULTY

### Professors

**M. Ramadass, Ph.D.** (University of Madras, Chennai)

*Specialization:* Agriculture Economics, Health Economics, Economics of Education.

**M. Ramachandran, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Open Economy Macroeconomics and Applied Econometrics.

**P. Muthaiyan, Ph.D.** (University of Madras, Chennai)

*Specialization:* Agriculture Economics, Economics of Education, Regional Economics

### Associate Professors

**V. Nirmala, Ph.D.** (Madurai Kamaraj University, Madurai)

*Specialization:* Agricultural Economics, Labour Economics and Gender Studies

### Readers

**Amaresh Samantaraya, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Monetary Economics, Macroeconomics, Economics of Money and Banking, Applied Econometrics

### Assistant Professors

**Yasmeen Sultana, Ph.D.** (University of Madras, Chennai)

*Specialization:* Empowerment of Women and Microfinance

**A. Sankaran, Ph.D.** (Bharathidasan University, Trichirapalli)

*Specialization:* Industrial Economics and Public Economics

**S. Raja Sethu Durai, Ph.D.** (University of Madras, Chennai)

*Specialization:* Financial Economics, Macroeconomics and Applied Econometrics

**R. Lusome, Ph.D.** (IIPS Mumbai) *Specialization:* Economic Demography

**C. Jerome Samraj, Ph.D.** (University of Madras)

*Specialization:* Environmental Economics

# DEPARTMENT OF TOURISM STUDIES

## School of Management

The Department of Tourism Studies (DTS) is a pioneering institute of tourism education in India. The two-year full time Master's Degree Program in Tourism Administration was started in the year 1991 with the seed financial support from the Ministry of Tourism and Civil Aviation, Government of India with the objective of creating professionally competent manpower to meet the managerial requirements of tourism and allied industries. The post-graduate program was rechristened as MBA(Tourism). DTS offers at present a two-year full- time MBA(Tourism) Program, Post-Graduate Diploma in Event management(Add-on Course) and Research Program leading to the award of Ph.D. Degree.

DTS is one of the few tourism departments in the country assisted by the UGC Special Assistance Program(SAP) at DRS Level –I from the academic year 2009-10. Apart from the regular curriculum, students are encouraged to participate in the extracurricular and co-curricular activities. To pursue its mission further, the Department develops and supports a spirit of enquiry and innovation that help the students meet the diverse human resource requirements of the industry. The DTS has an impressive track record of student placements over the years. With the active support of alumni, the Department has been striving tirelessly to emerge as a centre of excellence in tourism management education, consultancy and research. DTS is a permanent associate of the Travel Agents Association of India (IAAI) and also an Institutional Member of tourism professional bodies such as Indian Association of Tour Operators (IATO) and South Indian Hotels and Restaurants Association (SIHRA). In due course of time, DTS has successfully created its own image with brand identify across the industry and also earned its reputation by offering highly quality of tourism education with distinct academic pursuits. The Pondicherry University Tourism Studies Alumni Association (PUTSAL) – a registered entity – plays a pro-active role in all the endeavors of DTS

### PROGRAMMES OF STUDY

MBA Tourism  
Ph.D. (Tourism Studies)  
P.G. Diploma in Event Management (Evening Program)

### ENTRANCE EXAMINATION

**MBA Tourism:** Admission to this program is based on an entrance test conducted by the University. The Entrance Examination (Two hours duration) consists of 100 objective type questions in FOUR sections with 25 questions in each section:

- Section A: English Comprehension
- Section B: Numerical Ability
- Section C: Test of Reasoning
- Section D: General Awareness

The written test is along the lines of other popular competitive tests like CAT, MAT, etc., conducted for admission to management programs.

**Ph.D. in Tourism Studies:** Based on the vacancies available with eligible guides and the field of specialization, the prospective scholars are admitted to the Ph.D. Program through written examination. The written examination consists of 100 objective type questions in FOUR sections of 25 questions each.

- Section A: English Comprehension
- Section B: Logical Reasoning
- Section C: Simple Arithmetic
- Section D: research Methodology

### INFRASTRUCTURE FACILITIES

The physical and academic infrastructure comprises of well equipped air-conditioned class rooms with Information and Communication Technology (ICT) enabled state-of the-art technology devices, computer lab with travel related software, Wi-Fi facility across the campus, LCD projectors and other multimedia aids, access to online journals, subscription to national and international journals and magazines, latest books on tourism and management and hostel facilities on campus. Eco and cultural tours are part of the academic program besides workshops, guest lectures delivered by eminent scholars and industry experts. The Department is also known for organizing several events on the eve of World Tourism Day. The Annual Institute- Industry Interface Event called AKANKSHA is a flagship programme of the Department conceived and organized by the students. The Travel Desk of DTS creates a platform for students to gain practical exposure on the nitty-gritties of travel and tourism operations.

### PLACEMENTS

The Department has a track record of excellent placements for its students. The best companies of tour and travel industry such as Thomas Cook, Indian Railway Catering and Tourism Corporation Ltd. (IRCTC, Government of India Enterprise), Makemytrip, Yatra.Com, SOTC, Cox & Kings, Zenith Holidays, Club7 Holidays, Ascon Travels, Akbar Travels, Pricol Travel, Carlson Wagonlit, Marvel Travels, Classic Holidays, STIC Travels, Miles Worth, Foot Prints, Southern Travels, TUI, Sahara Airlines, Orbitz, Kingfisher Airlines, Inorbit Tours Pvt. Ltd., Jet Airways, Kuwait Airways, Le Meridian, Kenyan Airways, Hi-Tours, International Travel House, Indo-Asia Tours, Ramoji Film City, Max New York Life Insurance, Ramoji Film City, ICICI Bank, HDFC bank, Sonata Software, and son on have offered enviable packages to the students of the Department.

## FACULTY

### Professor

**G. Anjaneya Swamy, Ph.D.**

(Andhra University, Vishakhapatnam)

*Specialization:* General Management, Entrepreneurship Development and Service Marketing.  
(Deputation to DDE, Pondicherry University)

### Associate Professor

**Y. Venkata Rao, Ph.D.** (Tezpur University)

*Specialization:* Human Resource Management, International Management and Organizational Behaviour.

### Readers

**Sampad Kumar Swain, Ph.D.** (Utkal University)

*Specialization:* Airlines and Travel Management and Ecotourism, Sustainable Tourism, Travel Agency Operations.

### Assistant Professors

**Jitendra Mohan Mishra, Ph.D.** (HNB Garhwal University)

*Specialization:* Eco-tourism, Accounting for Tourism, Tourism Economics and Tourism Planning.

**Anu Chandran, M.Phil.** (Kerala University)

*Specialization:* Destination Marketing, Eco-tourism and Sustainable Development, Travel Geography and HR in Tourism and Hospitality, Wild Life and Health Tourism.

**Sibi George, M.Phil.** (Madurai Kamaraj University)

*Specialization:* Airline Management, Hospitality Management and Tourism Product Development and Management.

**Sherry Abraham, Ph.D.** (Bharathidasan University)

*Specialization:* Hospitality Management, Eco-tourism and Event Management.

# DEPARTMENT OF BANKING TECHNOLOGY

School of Management

The Department of Banking Technology came into existence to offer a specialized M.B.A programme in Banking Technology from the academic year 2005 -06. The UGC has sanctioned this programme under its Innovative/Interdisciplinary scheme during 10th plan.

**MBA (Banking Technology)** is a specialized inter-disciplinary programme primarily focused on developing manpower with know-how and know-why skills regarding management of technology used in the bank and finance industries

More specifically, this programme is aimed at:

- Imparting managerial skills and knowledge required to manage modern business enterprises involved in providing Finance and Banking solutions.
- Providing the basic knowledge on the working of financial markets, banking operations, stock market operations, Forex market, capital flows, arbitrage operations and derivative instruments, working of euro currency markets for possible global exposure on the working of Financial networks.
- Developing skills in the Technologies used in modern banking sector, Data warehousing, Information security, E-commerce, IT Infrastructure Management, Information System Audit, Business Intelligence, etc.

### Major Highlights of the Curriculum

The courses offered under this MBA: Banking Technology is a blend of General Management, Banking & Finance along with IT subjects required to manage Technology and develop software solutions. Four streams of electives with eight specialization papers in Systems, Finance, HR and Marketing are offered during third semester. A mix of IT and Management enables the students suitable for Managerial positions in software companies and Data centres of large Public / Foreign Banks. A month long internship in public Sector Banker during 1st year winter and a month long training on stock and Forex trading are special features of this programme.

### Ph.D. in Banking Technology

The Department of Banking Technology has initiated the Doctoral Programme in an inter-disciplinary area of Computer Sciences & Engineering and Management, focusing on IT Research in the field of Banking and Finance (BFSI) Industry. This Programme is open to both Management (MBA), Engineering (M Tech – Computer Science / I T) & M.CA & M.Sc.Computer Science, streams of Students.

### Broad areas of Research

- Banking Technology Management, ■ Financial Management, ■ Management of Banking & Financial Institutions
- Security Analysis and Portfolio Management, ■ Derivatives Management. ■ Information Security
- Data Warehousing & Data Mining, ■ Network Management, ■ Software Architecture ■ Cyber Crimes

## PROGRAMMES OF STUDY

**MBA :** Banking Technology  
**Ph.D.:** Banking Technology

## ENTRANCE EXAMINATION

Candidates are admitted for both MBA: Banking Technology and Ph.D Programmes based on an All India level Entrance Examination conducted by the University at different metropolitan cities all over India during last week of May / June. Short-listed candidates for the MBA Programme have to face a Group Discussion and Personal Interview at Puducherry. The entrance test for MBA is

similar to that of any standard All India Management Admission Tests (on lines of CAT / MAT / GMAT) with objective type questions in General English, Reasoning, Problem Solving, Basics of Computer Science, General Engineering & Contemporary Business Issues. There may be a Group Discussion and Personal Interview for shortlisted candidates in Written Test. Admission test for Ph.D Programme contains two sections to suit to the requirements of both M.Tech and MBA students. All objective type questions are from the domain-specific subjects at Post Graduate level. Short listed candidates will be called to make a Presentation before the Admission Committee on the proposed area of research, publications made, conference papers presented, etc

## INFRASTRUCTURE FACILITIES

The Department has a well-equipped computer laboratory with the necessary software and potential hardware to catalyze the learning process of students. The lab is connected to the internet which allows students to enrich knowledge round the clock. The specifications of the hardware, software and network connectivity are as follows:

### HARDWARE:

- Intel Xeon Servers
- HP Net Server
- Server for Corporate Database (CMIE Prowess).
- Pentium IV Work Stations
- HP LaserJet Printers
- HP Scanner

### NETWORKING:

- Intranet using Optical Fiber as back bone
- D-link 24 port switches
- Leased line for internet connectivity
- All computers connected through structured cabling/Wi-Fi

### SOFTWARE:

- Windows 2003 Server
- Windows 2000 Advanced Server
- Novel Linux 9.2
- Visual Studio
- SPSS
- Tally
- CMIE Prowess
- MS Office
- Java
- MYSQL
- Oracle 9i
- Turbo C++

The Department subscribes to the Corporate Databases like CMIE Prowess annually for organizing Corporate Finance Lab. Access to on-line International Journals is available through Intranet in the campus.

## ACADEMIC INFRASTRUCTURE

- Industry integrated curriculum
- 24x365 days Internet Campus
- AC class rooms with Wi-Fi connectivity
- Laptops usage by every student to participate in Web-based teaching learning process
- Case studies on Fortune 500 companies
- Guest Lectures by Bankers, Industrialists, Software Professionals.
- Internships in Commercial Banks
- Live Stock and Forex Trading Sessions
- Winter / Summer Project works in Industry

## PLACEMENTS

This MBA programme with a focused course curriculum on dual electives of Finance and Information Technology has been attracting good number of IT companies, in addition to the Banking including RBI and Financial Institutions. The Software companies with verticals in the areas of Banking, Insurance, Capital Markets and Business solutions are finding interest in this MBA: Banking Technology degree programme. The flag-ship companies where the students are placed include TCS, HCL Technologies, Reserve Bank of India, Bank of America, Royal Bank of Scotland, Ramco Infotech, IDBI, LVB, ICICI Bank, Cholamandalam Finance, IndusInd Bank, Bank of Maharashtra etc. In addition, the students undergo summer project training placement in reputed companies.

## FACULTY

### Professor

**K. Chandra Sekhara Rao, Ph.D.** (Nagarjuna University)  
*Specialization:* Financial Management, Security Analysis & Portfolio Management, Derivatives Management and Global Financial Markets & International Banking.

### Associate Professor:

**V. Prasanna Venkatesan, Ph.D.**  
(Pondicherry University)  
*Specialization:* Software Architecture, Object-Oriented Systems, Multilingual-based systems, Programming Languages, Banking Technology Management.

### Readers:

**R. Sankaranarayanan, Ph.D.**  
(Gandhigram Rural Institute)  
*Specialization:* Banking & Finance, Bank Management, Forex Management, Risk Management.

**S. Sudalaimuthu, Ph.D.** (Bharathiyar University) Corporate  
*Specialization:* Corporate Finance, Financial Services, Financial Information Systems, Logistics Management.

**V. Mariappan, Ph.D.** (Madurai Kamaraj) Banking, Strategic  
*Specialization:* Banking, Strategic Finance, Managerial Economics, Cyber Crimes, Financial Reporting, Marketing Strategies.

### Assistant Professors:

**A. Balakrishnan, Ph.D.** (Delhi University)  
*Specialization:* Finance & Accounting, Security Analysis & Portfolio Management, Treasury and Derivatives Management.

**C. P. Abdul Gafoor, M.Com** (Calicut)  
*Specialization:* Indian Banking, Management Strategy, Foreign Exchange Management.

**Dr. S Janakiraman, M. Tech, Ph.D.** (Anna University),  
*Specialization:* Data Warehousing and Data Mining, Information Security, Information Systems Audit.

**A.Suganthy, M. Tech** (Pondicherry University),  
*Specialization:* Information Security, Project Management, Financial Information System.



# DEPARTMENT OF INTERNATIONAL BUSINESS

School of Management

The process of globalization has enabled India to emerge as economic super power and it is attracting investments from giant global business players of multi-nations. At the same time, a sizable number of Indian MNCs are also gearing up their international business operations across the world. It is in this emerging and transforming scenario, Pondicherry University has established, during the academic year 2006-07, the Department of International Business (DIB) under the School of Management to offer a specialized two-year fulltime post-graduate degree in MBA-International Business for the students to have a thorough understanding of those aspects of business which are trans-boundary in nature.

## PROGRAMMES OF STUDY

MBA International Business  
Ph.D. International Business

## ENTRANCE EXAMINATION

**MBA:** Admission into the MBA (International Business) Programme will be based on All India level entrance examination to be conducted by the University. The entrance examination shall consist of 100 Objective Type questions and will be on the lines of CAT/ MAT/GMAT (covering Test of English & Comprehension, Test of Mathematics, Test of Reasoning & Logical Thinking, Test of Personal Judgment and General Knowledge).

Admission to Ph.D. programme in International Business shall be based on the field of specialization and the vacancies available with eligible guides in the Department. The selection procedure is based on the Entrance Test covering all the functional areas of Management at the MBA level. The short listed candidates in the written test will be called for an Interview at Pondicherry University.

### MBA (INTERNATIONAL BUSINESS):

The DIB has designed the MBA-International Business Programme with a special focus on imparting training and molding aspirants to acquire necessary core competencies, which are specifically required to manage global business operations. Besides giving conventional management education inputs, a highly competent set of faculty has designed and developed a course structure that will provide core competency skills in chosen areas of International Business ranging from geo-political issues, managing in emerging economics, international finance, international logistics, international tourism, hospitality and customer relationship management, retail management, export and import system, cross-cultural management, foreign language and environmental issues. The course curriculum is so organized that the students are groomed to take up the challenges of new millennium, which are truly international and competitive in nature and not restricted by geographical or political boundaries.

The Programme offers specialization Stream in Marketing, Finance, HR and Systems with greater international thrust in each of the functional areas of Management. The uniqueness of the MBA (IB) Programme is that each student during their study period will be carrying out four different projects (Summer Project, Winter Project, Intern-ship on Export-Import procedures/ International Operations and a final Semester Project) in leading organizations to gain practical exposure.

### PH.D.(INTERNATIONAL BUSINESS)

The Department of International Business offers Ph.D. Programme in International Business with inter-disciplinary thrust covering all the functional areas of management. The Department has all the facilities and infrastructure to encourage the candidates to do serious research in their chosen fields of research.

### INFRASTRUCTURE FACILITIES

The DIB is housed in the School of Management with state of - art facilities, fully equipped with all infrastructural requirements needed for the students to develop themselves as global leaders. Some of the facilities which are offered include the following:

- Congenial air conditioned class rooms with audio visual aids
- 24x365 days internet campus
- Class rooms with Wi-Fi connectivity
- Laptop connectivity for every student for effective participation
- Placement cell with good track record
- Well equipped central library
- Case studies with international perspectives
- Terms papers, team projects and internship
- Guest lectures by top executives from MNCs

### PLACEMENTS

The Department has very good track record of placements for its students and leading companies like TCS, HCL, IDBI, ICICI, Reliance, Ramco, Wipro, Indiabulls, Pepsi, City Union Bank, Lakshmi Vilas Bank, Cholamandalam, Bajaj Allianz, etc., (to name a few) have recruited our students in the past.

## FACULTY

### Associate Professor

**P. Sridharan, Ph.D.** (Pondicherry University)

*Specialization:* Financial and Management Accounting

### Readers

**Bushan D. Sudhakar, Ph.D.**

*Specialization:* International Marketing, Business communication & Negotiation, Advertising and Branding

**Y. Srinivasulu, Ph.D.**

*Specialization:* Marketing Management, Services Marketing, Brand Management, Industrial Marketing

**M. Banumathi, Ph.D.**

*Specialization:* Strategic Management, Green Marketing, International Trade, International Economics

### Assistant professors

**Rajeesh Viswanath, Ph.D.**

*Specialization:* Organisational Behaviour, Cross Cultural Management, Human Resource Management

**Dr. S. Thiyagarajan, Ph.D.** (University of Madras, Chennai)

*Specialization:* Accounting, Quantitative Techniques, Operations Research, Advertising

**P. G. Arul, Ph.D.** (Bharathidasan University, Trichirappalli)

*Specialization:* International Trade & Logistics, International Advertisement & Research, Human Resource Management



# DEPARTMENT OF MANAGEMENT STUDIES (KARAIKAL CAMPUS)

## School of Management

The Department of Management, offering a sectoral M.B.A. programme in Insurance Management, was started at Karaikal Campus in the academic year 2009-10 with an objective of promoting specialized Management education in the high growth insurance service sector.

The department is committed to the development of youth as managers and capable citizens for occupying key positions in the corporate organizations in India and abroad specifically in the insured, insuring and insurance verticals in the consultancy field. With a commitment to the promotion of knowledge and development of youth, the department pursues the following goals:

- To establish a centre of knowledge creation in the insurance field and dissemination with the active involvement of students, teachers, researchers, consultants and corporate managers.
- To design and offer programmes for youth to become competent managers as well as entrepreneurs in the field of their choice.
- To promote research and disseminate knowledge in the insurance industry through research programmes, seminars, workshops, etc.
- To strengthen industry-institute interface through association, consultancy and participation in skill development programmes.

### PROGRAMMES OF STUDY

M.B.A. (Insurance Management)  
Ph.D. Management

### ENTRANCE EXAMINATION

Candidates are admitted for both MBA in Insurance Management and Ph.D. in Management Programmes based on an All India level Entrance Examination conducted by the Pondicherry University.

The entrance test for MBA is similar to that of any standard All India Management Admission Tests (on lines of CAT / MAT / GMAT) with objective type questions in General English, Reasoning, Quantitative Aptitude, Basics of Computers, Business and General Awareness.

Entrance test for Ph.D. Programme consists of objective type questions from all the subjects at general MBA level.

### HIGHLIGHTS OF THE CURRICULUM

The course curriculum of MBA Insurance Management consists of various sub-disciplines of insurance including Life Insurance, General Insurance, Marine Insurance, Fire Insurance, Motor Insurance, Risk Management and Insurance, Business interruption Insurance, Health Insurance, Actuarial Science, etc. In addition to these courses, functional management courses like marketing, finance and HRM are also being offered. Also, to facilitate the students to get placements in banking sector one paper on Bank and Risk Management is included. The course curriculum contains computer labs and soft skill and personality development too. Further, the Department encourages and facilitates students to appear for the professional certificate examinations related to insurance sector conducted by Insurance Regulatory Development Authority (IRDA), Insurance Institute of India (III), Chartered Insurance Institute (CII, UK), Life Office Management Association (LOMA, USA), Life Insurance Marketing and Research Association (LIMRA, USA), etc., which makes the student a hot cake in the insurance industry during campus placements itself.

### INFRASTRUCTURE FACILITIES

- Well equipped library with good number of books and journals related to various disciplines of management and insurance.
- Centralized computer lab with internet facility.
- Remote accessing facility of all library resources from Ananda Rangapillai Library of Pondicherry University main campus.
- State-of-the-art conference hall with Video-conferencing facility.
- Separate hostels for boys, girls and research scholars.
- Free transportation facility from hostels to campus.

### PLACEMENTS

This sectoral MBA programme in Insurance Management, with a career focused curriculum fulfilling the industry requirements has been enticing the employers in insurance sector and insurance verticals of consultancy companies as well. The Department has been achieving 100 % placements every year in different life insurance, general insurance, consultancy firms, banks and insurance broking firms. Some of the prominent companies in the insurance industry where the students are placed so far with an attractive pay package include, TATA AIG General Insurance, IFFCO-TOKIO General Insurance, Max New York Life, Bharti AXA, ICICI Lombard, Birla Sun Life, Bajaj Allianz, Royal Sundaram General Insurance, Cholamandalam MS General, Total Insurance Solutions, Willis Insurance Brokers, Zeal Insurance Brokers, AIMS Insurance Brokers, Royal Bank of Scotland and Shasun Chemicals and Drugs Ltd etc.

### SCHOLARSHIPS & SPONSORSHIPS

The Department encourages students and scholars and facilitates them to get several scholarships funded by various state Governments, trusts (both in India and abroad), corporates, Indian Council of Social Sciences Research (ICSSR) and the University Grants Commission (UGC).

### ALUMNI ASSOCIATION

Department has formalised an Alumni Association in which all the students are life members with elected office bearers. It is an ongoing practice to organise Alumni Meet every year. The alumni placed in the industry, who moved out

from the first three batches are a strong network for placing the existing students in projects and permanent careers. Association is planning to create an Endowment Fund to assist poor students studying MBA Insurance Management course.

## **FACULTY**

### **Professor & Head**

**Lalitha Ramakrishnan, Ph.D.**

(Sri Venkateswara University, Tirupati)

Specialisation: Marketing Management, Strategic Management, Gender issues in Business.

### **Associate Professor**

**M. Dharmalingam, Ph.D.**

(University of Madras, Chennai)

Specialisation: Quantitative Finance, Actuarial Science, Econometrics and Resource Management Techniques.

### **Reader**

**S. A. Senthil Kumar, Ph.D.**

(Bharathiar University, Coimbatore)

Specialisation: Insurance Management, Human Resource Management, Services Marketing and Operations Research.

## **Assistant Professors**

**D.H. Malini, Ph.D.**

(Sri Krishnadevaraya University, Anantapur)

Specialisation: Risk Management, Marketing Management, Quantitative Techniques, Motor Insurance and Services Marketing.

**Byram Anand, Ph.D.**

(Kakatiya University, Warangal)

Specialisation: Accounting for Managers, Insurance Law, Services Marketing, International Business and Business Process Reengineering.

**C. Madhavaiah, Ph.D.**

(Sri Venkateswara University, Tirupati)

Specialization: Quantitative Marketing, Marketing Research, Services Marketing, Customer Relationship Management, Product and Brand Management, Sales and Distribution Management, Rural Marketing, Life Insurance and Insurance Salesmanship.

## DEPARTMENT OF COMMERCE (KARAIKAL CAMPUS)

### School of Management

The Department of Commerce, Karaikal Campus, Pondicherry University was established in the year 2007-08 at Karaikal involved in Teaching, Research and Extension Activities to cater to the local demands of the Karaikal region as Karaikal is poised to become a trade centre with major port and special economic zone. The Department offers Master of Commerce in Business Finance and Doctor of Philosophy in Commerce (Full Time and Part time)

The mission of the Department is to cater to the needs of corporate and public services, by inculcating conceptual and practical knowledge in the area of commerce and to undertake research activities with social relevance, independent projects and consultancy on contemporary themes.

The Department inculcates knowledge through lectures, interactive sessions, case analysis, group discussions on contemporary themes, internship training & project work, career guidance & counseling, soft skills for employability quotient, institute-industry interaction programme, application of ICT, industrial/field visits, educational tour and students' participation in academic activities of Universities and other institutions. Guidance for UGC NET/SET aspirants and alumni meet are also other features of the department.

#### PROGRAMMES OF STUDY

M.Com (Business Finance)  
Ph.D. (Commerce)

#### ENTRANCE EXAMINATION

Admission will be based on the combined entrance examination conducted by the University for Puducherry and Karaikal Campus for both Ph.D programme and M.Com (Business Finance).

#### INFRASTRUCTURE FACILITIES

The Department has modernized infrastructure with well equipped library, Centralized Computer Lab with internet facility, LCD projector for presentation and Teaching. The Centre is also facilitated with separate hostels for boys and girls.

#### FACULTY

##### Associate Professor

**V. Kavida Ph.D.** (Alagappa University, Karaikudi) - on EOL  
Specialization: Accounting & Finance, Intellectual Capital, Intellectual Property Valuation, International Finance, Banking and Financial Services.

**S. Amilan Ph.D.** (Alagappa University, Karaikudi)  
Specialization: International Finance, Portfolio Management, Quantitative Techniques & Financial Econometrics, International Business & Marketing.

##### Assistant Professors

**V. Arulmurugan M.Phil** (Pondicherry University, Puducherry)

Specialization: Banking, International Finance, Capital Market & Financial Counseling, Commerce Science, Logistics, Global Marketing & Corporate Technology, Business Research & Analytics.

**Sheena Ph.D.** (University of Calicut, Calicut) – on EOL  
Specialization: Brand Management, Retail Marketing and Rural Marketing, HRM, Organisation Behavior, Systems, Financial Services.

**G. Naresh Ph.D.** (University of Madras, Chennai)  
Specialization: Investments, Derivatives & Risk Management, Valuation of Assets, Infrastructure Finance & Private equity.

# RAMANUJAN SCHOOL OF MATHEMATICAL SCIENCES

Dean: V.I. INDUMATHI

Department of Mathematics  
Department of Statistics

From the Academic year 2007-08, the School offers five year integrated M.Sc. programme in the three branches of Mathematics, Statistics and Computer Science. The intake of students for each subject is 20, making a total of 60 for the integrated M.Sc. programme.

## COURSE PATTERN

During the first three years, a candidate of M.Sc., integrated programme has to take a total of 33 hard core courses of 3 credits each (11 hard core courses in each of Mathematics, Statistics and Computer Science) and a minimum of 5 soft core courses of 3 credits each covering all the three subjects viz. Mathematics, Statistics and Computer Science. In addition, all the candidates have to compulsorily take 2 courses in English and one course in Environmental Science of 3 credits each.

The course of study during the first three years is common for all the students offering the branches of Mathematics, Statistics or Computer Science. The students of the 4th and 5th years of this programme have to take the courses in the respective departments of Mathematics, Statistics and Computer Science.

## INFRASTRUCTURE FACILITIES:

The Integrated Programme has seminar halls/ class rooms with modern audio/ video facilities and well-equipped computer laboratory.

## ENTRANCE EXAMINATION:

The selection for the 5 year integrated programme will be based on an entrance examination consisting of 100 questions

in Mathematics of objective type at higher secondary level (i.e. Plus 2 programme) and 25 questions in Basic statistics at higher secondary level (i.e. Plus 2 programme) including the topics Measures of Central tendency, Measures of dispersion, Probability, Conditional Probability, Random variable- Binomial, Poisson and Normal Distributions.

## PLACEMENT:

The Placement Officer of

the University organizes campus interviews every year for the fifth year students of the 5 year integrated M.Sc Programme.

# 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 is supported by the University Grants Commission's Special Assistance Programme (SAP) for Departmental Research Support, the Department of Science and Technology (DST), Government of India's FIST programme for the development of infrastructure and National Board for Higher Mathematics (NBHM), Department of Atomic Energy, Government of India's grant for Library Books.

## PROGRAMMES OF STUDY

**M.Sc. Mathematics**  
**M.Sc. Mathematics (Five year Integrated Course)**  
**Integrated M.Sc. - Ph.D. in Mathematics**  
**Ph.D. Mathematics**  
 (Full-time, Part-time (Internal & External))

## ENTRANCE EXAMINATION

The question paper for admission to M.Sc. Mathematics will comprise of 100 objective type questions at the B.Sc. level.

For admission to Ph.D. there will be 100 questions of objective type at the M.Sc. level.

## INFRASTRUCTURE FACILITIES

The Department has a separate building, a seminar hall with modern state-of-the-art audio-video facilities, well-equipped computer laboratory and a library. Various mathematical softwares for course work and research are also available. The University subscribes for several national and international journals in Mathematics.

The National Board for Higher Mathematics (NBHM) gives an annual grant of about Rs. 3 lakhs for procuring books and journals for the library. The Department of Science and Technology provides a grant of Rs.4 lakhs per annum for purchase of books under FIST.

The department participates in the Special Coaching for Weaker Sections for UGC-CSIR NET and All India Services Examinations

## PLACEMENT

The Placement Officer of the University organizes campus interviews every year for the M.Sc. students.

## FACULTY

### Professors

**A. M. S. Ramasamy, Ph.D.** (I.I.T, Kanpur)

*Specialization:* Number Theory

**V. Indumathi, Ph.D.** (University of Madras, Chennai)

*Specialization:* Abstract Approximation Theory, Geometry of Banach Spaces

**H. P. Patil, Ph.D.** (Karnatak University, Dharwad),  
 Doc. Math. Sci. (University of Warsaw, Poland)

*Specialization:* Graph Theory, Discrete Mathematics and Algorithms

**K. M. Tamizhmani, Ph.D.**

(University of Madras, Chennai), FNASc.

*Specialization:* Integrable Systems

**M. Subbiah, Ph.D.** (I.I.T., Kanpur)

*Specialization:* Hydrodynamics Stability

### Associate Professor

**T. Duraivel, Ph.D.** (Pondicherry University, Puducherry)

*Specialization:* Commutative Algebra

### Reader

**Rajeswari Seshadri, Ph.D.** (I.I.T., Bangalore)

*Specialization:* Numerical Analysis

**S. R. Kannan, Ph.D.** (I.I.T., Chennai)

*Specialization:* Fuzzy Clustering

### Assistant Professor

**A. Joseph Kennedy, Ph.D.** (University of Madras, Chennai)

*Specialization:* Combinational Representation Theory

**Syeda Noor Fathima, Ph.D.** (Mysore University, Mysore)

*Specialization:* Number Theory

**S. Francia Raj, Ph.D.** (SASTRA University, Thanjavur)

*Specialization:* Graph Theory.

**Subramania Pillai, Ph.D.** (Hyderabad Central University, Hyderabad)

*Specialization:* Topology

# DEPARTMENT OF STATISTICS

## Ramanujan School of Mathematical Sciences

The Department of Statistics was established during October 2006. Currently, the department offers M.Sc. Statistics, M.Sc. Five Year Integrated (Statistics), Ph.D. (Statistics) programs and also a Post Graduate Diploma in Statistical and Research Methods. 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 the 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. The faculty members are actively engaged in research and published papers in National and International journals. Besides, extramural funds to the tune of Rupees Thirty Six lakhs were generated by the faculty members through the various research projects funded by UGC/DST.

### PROGRAMMES OF STUDY

**M.Sc.** - Statistics

**M.Sc.** - Statistics (Five year Integrated)

**Ph.D.** Programme in Statistics  
(Full-time and Part-time)

**P.G. Diploma** in Statistical and Research Methods(Add on Course)

### ENTRANCE EXAMINATION

The question paper for the Entrance Examination for admission to the M.Sc. Statistics Course will consist of 100 objective questions with the following break up.

#### Statistics

Descriptive Statistics, Probability, Distribution, Statistical Inference, Design of Experiments, Quality Control, Sampling Theory, Applied Statistics and Official Statistics at B.Sc. Main level. *No. of questions - 60*

#### Mathematics

Algebra, Sequence and Series, Matrices, Determinants, Differential Calculus and Integral Calculus at the B.Sc. Allied level. *No. of questions - 25*

#### Computer Science

Basics of C, C++ and MS – Excel. *No. of questions - 15*

Candidates are admitted for M.Sc Quantitative Finance programme based on an All India level entrance examination conducted by the University. The entrance test is similar to that of any standard All India Management Admission (on lines of GMAT/GRE) with objective type questions in General English, Reasoning, Problem Solving and decision making, Basics of Computer Science, General Engineering and Contemporary Business Issues.

The question paper for the entrance examination for admission to the Ph.D program will also consist of 100 objective type questions in the following topics: Matrix Theory, Distribution theory, Probability theory, Statistical Inference, Multivariate Analysis, Statistical Quality Control, Operations Research, Demography, Design of Experiments, Sampling Theory, Stochastic Process, Linear Models, Regression Analysis and Statistical software (SPSS and MS-Excel).

### INFRASTRUCTURE FACILITIES

The Department of Statistics has new premises constructed exclusively for the Statistics department with facilities like Seminar Hall, Computing Laboratory and Classrooms with LCD projectors. There are fifty terminals in the computing laboratory with high end configuration that support standard statistical software like IBM SPSS 19.0, SYSTAT 13, MINITAB 16 and Open source software. Students will have ample opportunities to get them fully trained in the use of these software that will help them in immediate placement after completion of the course. The course curriculum includes a blend of theoretical and applied papers.

During the last five years, Statistics books (both text book and reference book) worth more than 20 lakhs have been added to the central library in addition to e –resources and e – journals.

The recently updated syllabus for the M.Sc course provides ample opportunities for the students to select job oriented Elective subjects 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.

### PLACEMENTS

The Placement activities of the Department are taken care of by a Placement Cell which comprises of a student member and a faculty advisor. The placement cell organizes campus recruitment programmes every year and takes pride in facilitating placement for eligible students in Multinational Companies and other companies in the private sector.

### FACULTY

#### Professors

**P. Dhanavanthan, Ph.D.** (University of Madras, Chennai)  
*Specialization:* Distribution Theory, Operations Research

#### Associate Professors

**J. Subramani, Ph.D.** (University of Madras, Chennai)  
*Specialization:* Design of Experiments, Sampling Theory

**P. Tirupathi Rao, Ph.D.** (Andhra University, Waltair)  
*Specialization:* Stochastic Modelling, Statistical Computing and Optimization Techniques.

## Assistant Professors

**Kiruthika, Ph.D.** (University of Madras, Chennai)

*Specialization:* Cluster Analysis, Artificial Neural Network

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

*Specialization:* Reliability Theory

**Sudesh Pundir, Ph.D.** (Punjab University)

*Specialization:* Applied Statistics

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

*Specialization:* Biostatistics, Statistical Computing

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

*Specialization:* Data Mining, Regression Analysis

## MASTERS DEGREE IN QUANTITATIVE

Masters Degree in Quantitative Finance is a specialized course jointly offered by the Ramanujan School of Mathematical Sciences and School of Management. UGC has sanctioned this course under its “Innovative Programme – Teaching and Research in Interdisciplinary and Emerging areas” scheme. The primary focus of this course is to develop manpower with “knowhow” and “knowwhy” skills regarding applications of Statistics and Mathematics related to finance. It aims to train students on the fundamental disciplines of Mathematics, Statistics, Econometrics, Computer Science and Finance. It also provides the necessary analytical tools to solve practical problems in the complex and rapidly evolving world of financial industry.

## MAJOR HIGHLIGHTS OF THE CURRICULUM:

The subjects offered under this programme is a blend of General Management, Investment Banking, Portfolio, derivatives and risk management, International Finance along with advanced Statistics, Mathematics and Information Technology that enables to build models and analyze the financial positions of corporations. Four streams of electives with eight specialization papers in Stock and Commodity Market, Treasury and derivatives, Investment and wealth management and corporate and micro finance are offered during third semester.

## TEACHING LEARNING PROCESS:

I<sup>3</sup> - Intuitive, Interactive and Innovative

- Intuitive: Class Room Lectures by professors and Adjunct/ Visiting faculty from Industries.
- Interactive : computer labs, Internships, workshops and case studies
- Innovative: Live Projects, Village, Industry and Activity Based Learning.

## UNIQUE FEATURES:

- Village and Industry Camp
- Computer Lab based Subjects
- Field Study based Assignments
- Learning through Experience

## CAREERS

After completion of this programme, students will be capable of taking positions with financial institutions like investment banking, wealth management companies, securities trading,

corporations and government regulatory organizations like Reserve Bank of India, Securities and Exchange Board of India, Insurance Regulatory and Development Authority. Careers include Financial engineers in model identifying and risk compliance; analysts in portfolio credit risk, market risk, investment banking and audit, asset mix and portfolio managers and a range of positions requiring advanced understanding of quantitative finance like financial model building.

## CO ORDINATOR:

**Prof. P. Dhanavathan**, Professor and Head, Department of Statistics, Ramanujam School of Mathematical Science, Pondicherry University, Puducherry.

## DEPUTY CO ORDINATOR:

(QUANTITATIVE FINANCE)

**Dr. D. Lazar**, Associate Professor, Department of Commerce, School of Management, Pondicherry University, Puducherry.

# SCHOOL OF PHYSICAL, CHEMICAL AND APPLIED SCIENCES

Dean: Prof. N. Satyanarayana

Department of Physics  
 Department of Chemistry  
 Department of Earth Sciences  
 Department of Applied Psychology  
 Department of Coastal Disaster Management  
 Department of Astrophysics  
 Central Instrumentation Facility  
 Central Maintenance Workshop

The School is uniquely placed to conduct interdisciplinary teaching and research activities in Physical Sciences. The Departments of the School offer M.Sc. (two year), Ph.D. programmes, Integrated P.G. - Ph.D. programme in Physics, Chemistry & Applied Psychology. The Departments in the School also offer an integrated M.Sc. programme of five years duration in Physics, Chemistry and Applied Geology for the +2 students.

All the Departments have distinguished faculty and excellent laboratory and computational facilities. There are more

than 60 research scholars engaged in frontline areas of research. A very high percentage of M.Sc. students of the School have clear national level tests, UGC-CSIR, NET and GATE which stands as testimony for the quality of teaching and research. The students and researchers of the school routinely use common facilities like, Vibrating Sample Magnetometer (Lakeshore, USA), UVVIS-NIR Spectrophotometer (Cary 5000), Scanning Electron Microscope with Energy Dispersive X-ray (SEMEDX) Analyzer Nuclear Magnetic Resonance Spectrometer (400 MHz;

Bruker, Germany) gamma ray chamber, EPMA etc. that are recently acquired in the Central Instrumentation Facility (CIF). Some of the advanced research equipments like IRMS, PPMS, HRTEM, etc are under process of procurement in CIF. Some Departments of the School are supported by DST-FIST programme and the Department of Chemistry, Physics, Earth Sciences are also supported by UGC-SAP funding. Sophisticated equipments have been procured under these funding and these are extensively used for teaching and research.



# DEPARTMENT OF PHYSICS

School of Physical, Chemical and Applied Sciences

The Department of Physics came into existence in June 1987. The Department offers postgraduate programmes and conducts research in frontier areas of 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-I Programmes. The faculty members have obtained major research grants exceeding Rs 10.0 crores from different funding agencies such as DST, AICTE, UGC, IFCPAR, NBHM, DRDO, DAE, INSA and CSIR, Government of India. The research activities have resulted in publication of more than 570 research papers in peer-reviewed journals including 9 patents. The average citation index is around 10. The members of the faculty are accorded with several national, international awards, fellowships and members in the National Committees, referees of many national and international journals. Our faculty members are involved in collaborative national and international research projects with leading scientists and laboratories.

## ADMISSION

### PROGRAMMES OF STUDY

**M.Sc. Physics (2 years)**, with three specializations  
Condensed matter physics, Electronics, Laser physics  
**M.Sc. Physics (5 year Integrated)**  
**Integrated M.Sc. - Ph.D. in Physics**  
**Ph.D. Physics (Full-time)**

### ENTRANCE EXAMINATION

The question paper will consist of 100 multiple choice questions. For M.Sc.(Physics) – Five Year Integrated: The questions are drawn from Physics, Chemistry and Mathematics at +2 level with equal weightage. For M.Sc. (Physics) (2 years): The questions are from all the subjects of U.G. degree with Physics as Main and Mathematics and Chemistry as ancillaries. For Ph.D. Courses: The objective question paper covers all the subjects under P.G. course in Physics.

Admission to the above programmes is through a national level entrance examination. The CSIR-UGC JRF qualified candidates will be given direct admission to Ph.D. programmes.

## RESEARCH / PLACEMENT OPPORTUNITIES

The students of Department were placed in leading scientific laboratories as well as in MNCs. Our students have been successful in the national level examinations viz., GATE / CSIR-UGC resulting in research placements in India and abroad. Research seminars by eminent Indian and foreign

scientists and also by students are periodically organized for the benefit of research scholars and P.G. students. We have also conducted several national level seminars / workshops and many DST-PAC meetings to encourage research activities in and around the University.

## AREAS OF RESEARCH

- Solid State Ionics & Battery Materials
- Magnetism & Magnetic Materials
- Nanomaterials
- Lasers & Photonics Materials
- Computational Physics & Biophysics
- Quantum Mechanics and Field Theory
- Spintronics, Multiferroics and Photovoltaics
- Atomic Physics
- Plasma Physics
- Hydrogen Storage Materials
- Quantum Information Science

## INFRASTRUCTURE FACILITIES

Teaching and Research facilities in the Department of Physics: Powder X-ray diffractometer (PAN ANALYTIC XPERT), AFM/STM (BRUKER MULTIMODE 8), Differential Scanning Calorimeter (SETARA LABSYS), FTIR (Shimadzu 8700 Spectrophotometer), DC magnetron sputtering system (Hind Hivac), Impedance analyzer – 30 to 40 MHz (NOVOCONTROL), Hioki LCR meter with cryostat (80 K to 400 K), Surface Area Analyser, Glove box-VAC-USA Battery cycle tester, Susceptibility meter (Bartington England), High temperature furnaces, Spinner magnetometer (Molspin England), Multifrequency Ultrasonic Interferometer, Laser based experiments Computer laboratory, High End Computing Cluster, Nd-YAG and Titanium Sapphire Laser. The advanced research facilities accessible to Department of Physics are available in the Central Instrumentation Facility vide. this brochure and the website [www.pondiuni.edu.in/cif](http://www.pondiuni.edu.in/cif).

## FACULTY

### Professors

**N. Satyanarayana, Ph.D.** (I.I.T, Chennai)

*Specialization:* Solid State-Ionics, Solid State Spectroscopy, Crystal Growth, Magnetic Resonance.

**G. Govindaraj, Ph.D.** (University of Madras, Chennai)

*Specialization:* Impedance / Dielectric Spectroscopy, Solid State-Ionics, Experimental Condensed Matter Physics

**K. Porsezian, Ph.D.** (Bharathidasan University, Tiruchirapalli)

*Specialization:* Nonlinear Dynamics, Nonlinear Fiber optics, Solitons, Theoretical Physics.

**G. Chandrasekaran, Ph.D.**

(Annamalai University, Annamalai Nagar)

*Specialization:* Geo-magnetism, Magnetism and Magnetic materials, Spectroscopy.

**R. Murugan, Ph.D.** (Pondicherry University, Puducherry)

*Specialization:* Solid State Batteries, Ferro Electrics and Nanomaterials.

### Associate Professors

**V. V. Ravi Kanth Kumar, Ph.D.** (S. V. University, Tirupati)

*Specialization:* Photonic Crystal Fibers, Glass / Glass-ceramics, Spectroscopy.

**S. Sivaprakasam, Ph.D.** (University of Hyderabad, Hyderabad)

*Specialization:* Semiconductor Lasers, Secure communications.

**R. Sivakumar, Ph.D.** (I.I.T, Madras)

*Specialization:* Experimental Condensed Matter Physics, Hydrogen Storage Materials, Fluid dynamics, Computational Physics.

### Assistant Professors

**S. V. M. Satyanarayana, Ph.D.**

(University of Madras / IGCAR, Kalpakkam)

*Specialization:* Dynamics, Statistical Mechanics, Biophysics, Computational Physics.

**A. Ramesh Naidu, Ph.D.**

(University of Hyderabad, Hyderabad),

*Specialization:* Condensed Matter Physics, Cognitive Science.

**Alok Sharan, Ph.D.** (I.I.T, Kanpur)

*Specialization:* Lasers, Experimental nonlinear Optics.

**Rabindra Nath Bhowmik, Ph.D.** (Jadavpur University / Saha Institute of Nuclear Physics, Kolkotta)

*Specialization:* Experimental condensed matter physics, Magnetism and Magneto-transport phenomena.

**B. Muthukumar, Ph.D.**

(Saha Institute of Nuclear Physics, Kolkata)

*Specialization:* Quantum mechanics and field theory on non-commutative spaces.

**Suraj Kumar Sinha, Ph.D.**

(Institute for Plasma Research, Gandhinagar)

*Specialization:* Plasma physics & plasma wall interactions including hot, cold and thermal plasmas.

**Gangineni Ramesh Babu, Ph.D.**

(Technical Universty/IFW, Dresden, Germany)

*Specialization:* Spintronics, Multiferroics and Photovoltaics.

**D. Bharathi Mohan, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Superionic Conductors, Interface Physics, Plasmonics.

**K. V. P. Lata, Ph.D.** (Magalore University/ Indian Institute of Astrophysics, Bangalore)

*Specialization:* Atomic Physics: Electronic Structure calculations of atomic properties, Spintronic transport in single atom junctions.

Refer the website <http://www.pondiuni.edu.in/department/department-physics> for detailed academic profile of all faculty members.

All the Faculty members are recognized supervisors for guiding Ph.D. candidates except Dr. B. Muthukumar and Dr. A. Ramesh Naidu.

# DEPARTMENT OF CHEMISTRY

School of Physical, Chemical and Applied Sciences

The Department of Chemistry, started in the year 1987, offers 2 years M.Sc.(Chemical Sciences), 5 years Integrated M.Sc. (chemistry), and Ph.D.(chemistry) programs. The department has a continuous excellent track-record from the date of commencement. The department admits PG/Ph.D students of higher merit from National level test. UGC-CSIR NET/GATE. A number of PG students use to qualify CSIR JRF/UFC JRF/Lectureship and GATE examinations. Pharmaceutical companies visit the department every year and conduct campus interviews to recruit students for suitable positions. The department of Chemistry is well equipped to support high quality teaching and international standard research activities. The department has highly qualified faculty members to conduct research in forefront areas of chemistry. Research work of faculty members is supported by the premier national funding agencies such as DSR, CSIR, UGC and AICTE. Research output is recognized by publications in International and National journals and by awards. Interdisciplinary and collaborative research is a feature of the department. The faculty and research scholars take active participation in National and International conferences/workshops to present the results of their research work. Periodically experts from various parts of the country and world visit our department and interact with the faculty/students through seminars. A good number of Ph.D scholars and PG students are benefitted from the department. The department is normally supported by the Department of Science Technology, Govt. of India through FIST program and by the University Grants Commission through SAP(DRS) program to achieve the academic potentials.

## PROGRAMMES OF STUDY

M.Sc. Chemical Sciences (2 years)  
 M.Sc. Chemistry (5 year Integrated)  
**Integrated M.Sc. - Ph.D. in Chemistry**  
 Ph.D. Chemistry (Full Time, Part Time (Internal))

## ENTRANCE EXAMINATION

**M.Sc. Chemistry – (Five-year Integrated):** The selection is based on Entrance Test comprising of objective type questions. The question paper consists of 100 questions, out of which 10 questions are from English at +2 level and the remaining 90 questions are distributed equally among Chemistry, Mathematics and Physics at +2 level.

**M.Sc. Chemical Sciences (2 years):** The selection is based on Entrance Test comprising of objective type questions. The question paper consists of 100 questions, out of which 10 questions are from mathematics at +2 level and the rest 90 questions are distributed equally among Inorganic, Organic and Physical Chemistry at under graduate level.

**Ph.D. Chemistry (Full-Time, Part-Time (Internal)):** The question paper consists of 100 questions, out of which 10 questions are from theoretical chemistry, while the remaining 90 questions are distributed equally among Inorganic, Organic and Physical Chemistry at Post Graduate level. The candidates applying with JRF/SRF etc. from National funding agencies, are exempted from taking written examination. Candidates applying to the fields of Physical Chemistry / Photochemistry / Materials Science should have studied maths at +2 level and of Theoretical Chemistry should have studied allied maths at B.Sc. level.

## INFRASTRUCTURE FACILITIES

The Department has excellent working culture and facilities to carry out research in forefront areas of Chemistry. Research facilities include EPR(X-band), NMR(400 and 60 MHz), Single Crystal XRD, FT-IR, GC-MS, HPLC, Atomic Absorption Spectrometer, C/H/N/S analyzer, UV-Vis spectrometer, Silicon graphics to conduct research in areas: Nanomaterials, Physical Chemistry, Solid-State Chemistry, Magnetic Resonance, Organic Synthesis, Nanomaterial Photocatalysis, Inorganic photochemistry, Organometallic Chemistry, Prophyrin Chemistry, Green Chemistry, Supramolecular Chemistry, Bio-inorganic chemistry, Theoretical Chemistry and Drug Design. The department has excellent computational facility and computer networking for intra and internet. Other sophisticated instruments such as ESI-MS, XPS, AFM, HR-TEM, EPR(Q-band), etc. will be added to either the department or centralized facility very shortly. All the faculty members have individual laboratories with good research facilities to carry out day to day research. The scholars have access to several online journals and databases. The faculty members have Research Collaborations with other departments in the University and other National/ International Universities. Research seminars, invited lectures and group discussions are constantly held for the benefit research scholars and students. The department also conducts national seminars and DST-PAC meetings to strengthen the research activities.

## PLACEMENTS

Outgoing Ph.D., and M.Sc. students find employment in leading pharmaceutical companies like Dr. Reddy Research Laboratories, Shasun Drugs, G.V.K. Biosciences, SRF, Orchid Chemicals and Pharmaceuticals Limited etc. Scholars/students find employment through campus interviews as well as by direct contact. The Research scholars after successful completion of Ph.D., get Post-doctoral position in renowned Universities/Institute in USA, Canada, Japan and European

countries and some obtain faculty positions in colleges/universities. Some of the M.Sc. students qualify TOEFL and GRE and get admissions in USA, Canada and European Universities for Ph.D. programs.

## ONGOING RESEARCH PROJECTS

Research programs of the individual faculties are supported by national funding agencies such as DST, CSIR, UGC, AICTE etc. for about Rs.270 lakh and also the Department is supported (around Rs. 250 lakh) by special funding through DST – FIST program and UGC-SAP (DRS) program.

## FACULTY

### Professors

**H. Surya Prakash Rao, Ph.D.** (IISc, Bangalore)

*Specialization:* Synthetic Organic Chemistry, Stereochemistry, Green Chemistry and Industrial Organic Chemistry.

**Bidhu Bhusan Das, Ph.D.** (IIT-Kanpur, Kanpur)

*Specialization:* Synthesis and state-of-the-art structure-Property relations in Electronic and Magnetic Materials, Magnetic Resonance Spectroscopy (EPR, NMR).

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

*Specialization:* Nanomaterial Photocatalysis, Optical / Electronics properties of Nano crystalline semi conductors, Reaction modelling by Correlation Analysis, Surface Adsorption Dynamics.

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

*Specialization:* Polymer synthesis using Controlled Radical Polymerization and Anionic Polymerization, Fuel Cell Membrane, Nanocomposite, Polymeric Solar Cells, Organic Semiconductor, OLED and PLED.

### Associate Professors

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

*Specialization:* Inorganic Photochemistry, EPR of Bio-molecules, Computers in Chemical Education, Electrochemistry.

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

*Specialization:* Organometallics, Nanoscale Materials and Supramolecular Chemistry.

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

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

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

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

### Reader

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

*Specialization:* Homogeneous Catalysis, Organometallics, Bioinorganic and Computational Chemistry.

### Assistant Professors

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

*Specialization:* Main group organometallics, transition metal based homogenous catalysis.

**M. M. Balakrishnarajan, Ph.D.**

(Bharathidasan University, Tiruchirapalli)

*Specialization:* Chemical Information Sciences.

**C. R. Ramanathan, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Asymmetric synthesis, Drug design and discovery.

**Binoy Krishna Saha, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Crystal Engineering, Host-guest Chemistry, Polymorphism.

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

*Specialization:* Bio-inorganic chemistry and Metal-carbene chemistry.

**Toka Swu, Ph.D.** (Nagaland University, Lumami)

*Specialization:* Material Science, Coordination Chemistry.

**R. Padmanabhan, Ph.D.** (University of Hyderabad, Hyderabad)

*Specialization:* Quantum Dynamics, Excitation energy transfer.

# 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 UGC- Special Assistance Programme at DRS level and 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 years)**

**M.Sc. Applied Geology (5 years)**

These M.Sc. courses are designed to develop basic understanding of the earth and the earth processes, as well as, skills to apply this knowledge to solve problems of global and national importance. 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 equipments.

**M. Tech. Exploration Geosciences (2 Years)**

This post-M.Sc. course was introduced in 2010-11 session with an emphasis to provide specialized training in mineral, petroleum and groundwater exploration.

**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-AES, ICP-MS, TIMS, IRMS, optical microscopes and heating – freezing stage are available in the department. Additionally, XRF, EPMA, confocal Laser Raman Spectrometer and other sophisticated research equipments useful for geo scientific research are available in the Central Instrumentation Facility

## ENTRANCE EXAMINATION

Selection for M.Sc. Applied Geology will be based on performance in entrance examination which will include objective type questions in Geology at B.Sc. level. Selection for integrated M.Sc. Applied Geology will be based on entrance examination consisting of objective type questions in Physics, Chemistry and Mathematics at +2 level. For admission to Ph.D. and M.Tech. programmes, there will be a common examination consisting of objective type questions at M.Sc. level.

## INFRASTRUCTURE FACILITIES

The Department has well equipped laboratories with sophisticated equipment to cater to the needs of 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's 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-AES, 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 ( $^{10}\text{Be}$ ,  $^{26}\text{Al}$ ) 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 being established

**Field Equipment:** Global positioning system, Survey equipments, SLR and Digital cameras are available to carryout geological field studies effectively using modern tools.

**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 Geochemistry, Isotope Geochronology, Ore Geology, Tectonics, Metamorphic Petrology and Paleoclimate studies, Hydrogeology, Remote Sensing and GIS. 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, 21 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 (Rs. 78 lakhs) for the Second Phase and UGC has sanctioned funds under SAP-DRS programme (Rs. 70 lakhs) recently.

## 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.

## ONGOING DEVELOPMENTS:

A Laser ablation system has been recently added to the ICP – MS. Research activities on paleoclimate has been initiated with setting up of IRMS based stable Isotope facility.

## FACULTY

### Professors

**S. Balakrishnan, Ph.D.**

(Jawaharlal Nehru University, New Delhi)

*Specialization:* Isotope Geology, Geochemistry.

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

*Specialization:* Economic Geology, Mineral Exploration.

### Associate Professor

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

*Specialization:* Paleontology, Sedimentology.

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

*Specialization:* Hydrogeology, Remote Sensing and GIS.

**Rajneesh Bhutani, Ph.D.**

(Physical Research Laboratory, Ahmedabad)

*Specialization:* Isotope Geology, Tectonics.

### Readers

**Pramod Singh, Ph.D.**

(Jawaharlal Nehru University, New Delhi)

*Specialization:* Geochemistry, Sedimentology.

### Assistant Professors

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

*Specialization:* Structural Geology, Geochemistry.

**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.

**Shyreyas Managave, Ph.D.**

(Maharaja Sayajirao University, Ahmedabad)

*Specialization:* Paleoclimatology & Stable Isotope Geology.

**Nurul Absar, Ph.D.**

(Aligarh Muslim University, Aligarh)

*Specialization:* Sedimentary Geochemistry, Precambrian Crustal Evolution, Sedimentology.

**Haris H. Khan, Ph.D.**

(National Geophysical Research Institute, Hyderabad)

*Specialization:* Hydrogeology, Geomorphology, Remote Sensing and GIS.

**K. N. Kusuma Ph.D.**

(National Institute of Technology Bombay, Mumbai)

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

# DEPARTMENT OF APPLIED PSYCHOLOGY

School of Physical, Chemical and Applied Sciences

The Department of Applied Psychology was established in the academic year 2007-08, aiming to train the students with conceptual knowledge and practical skills in psychology and enabling them to meet the emerging and contemporary needs of the society in various fields such as health, education, industrial organizations and community. The courses are taught by experienced and committed Faculty Members.

## PROGRAMMES OF STUDY

### M.Sc. Applied Psychology

As for M.Sc. Applied Psychology, the first two semesters are common for all the students which include papers on Applied Cognitive Psychology, Applied Social Psychology, Positive Psychology, Research Methodology, Rehabilitation Psychology, Psychological Statistics, Counselling Psychology, Community Psychology, in addition to Practicals in the third semester. Students have to select either Clinical Psychology or Industrial Psychology or Counselling Psychology as a Specialization, The following papers will be taught under three Specializations:

(i) Clinical Psychology

Psychopathology Psychological therapies, Neuropsychology, Health Psychology,

(ii) Industrial /Organizational Psychology

Organizational Behaviour, Managerial Psychology, Training & Development, Industrial Relations & Welfare.

(iii) Counselling Psychology

Models of Counselling, Practice of Counselling (Case Based), Group Counselling & Social Issues, Recent Social Trends in Asia

### Integrated M.Sc. - Ph.D. in Applied Psychology

### Ph.D. Applied Psychology (Full-time & Part-time)

The department has experienced Faculty Members to guide the doctoral students in different areas of psychology.

### P.G. Diploma in Industrial Psychology (One year)

## ENTRANCE EXAMINATION

The selection of the students for both M.Sc. and Ph.D. is through an All India Entrance examination conducted by the University. It consists of 100 objective type questions on psychology and allied subjects. There may be some questions on general knowledge and current affairs.

## INFRASTRUCTURE FACILITIES

The Department has two well equipped laboratories for experimental psychology and clinical psychology in addition to spacious class and seminar rooms with audio-visual facilities. Apart from the test materials, clinical equipments such as Multi Behavior therapy, EEG Alpha Bio Feedback, Respiration Bio-Feedback, Stammer Suppressor, Aversion Therapy etc are also available in the laboratory for their use in research purposes.

## FIELD WORK AND INTERNSHIP

Under both the specializations, students have to do extensive field work assignments at three spells during third and fourth semesters in HR departments of major organization or Hospitals, Clinics, NGO, etc. depending upon their specialization. During the fourth semester students have to undergo internship and carry out dissertation project and submit a report to the University.

## FACULTY

### Professors

**Sibnath Deb, Ph.D.** (Calcutta University, Kolkatta)

*Specialization:* Clinical Psychology, Counselling Psychology, Health Psychology, Child Protection, Research Methods, Adolescent Reproductive Health including HIV/AIDS

### Readers

**B. Rangaiah, Ph.D.** (University of Mysore, Mysore)

*Specialization:* Cross-cultural Psychology, Mental Health, Cognitive Processes, School Psychology, Psychometric

**Surendra Kumar Sia, Ph.D.** (Delhi University, Delhi)

*Specialization:* Organizational Psychology, Research

Methods, Statistics in Psychology

### Lecturers

**D. Dhanalakshmi, Ph.D.** (Osmania University, Hyderabad)

*Specialization:* Health Psychology

**D. Barani Ganth, M.Phil.**

(Bharathiar University, coimbatore)

*Specialization:* Industrial Psychology, Counselling Psychology

**Rejoyson Tangal, M.Sc.** (University of Mysore, Mysore)

*Specialization:* Evolutionary Psychology, Sociobiology, Human Development

# DEPARTMENT OF DISASTER MANAGEMENT

School of Physical, Chemical and Applied Sciences

The M.Sc., course in Disaster Management was started in the Department of Ocean Studies and Marine Biology in 2007 and bifurcated as separate Department of Disaster Management in June 2010 and Centre is located in Port Blair. The Department is being fully supported by UGC. The centre has excellent hostel facilities for M.Sc., students and research scholars. The M.Sc., Disaster Management course is intended to develop basic understanding of the Natural Disasters such as Earthquake, volcano, landslide, tsunami, cyclones, floods, land subsidence, coastal erosion, salt water intrusion and long term disasters of climate change and sea level rise and manmade disasters like nuclear, epidemic and air pollution. The curriculum is planned to identify the Natural earth related problems by Microzonation mapping of through Geophysical, Remote Sensing and Geographical Information System. Both theory and practical classes are handled by experienced faculty members. World class equipment facilities are available.

## PROGRAMMES OF STUDY

M.Sc. Disaster Management  
M.Sc., Dual Degree in Disaster Management and Remote Sensing  
Ph.D. Disaster Management

## ENTRANCE EXAMINATION

Selection of the candidates for M.Sc. degree in Disaster Management, Dual degree in Disaster Management and Remote Sensing are based on the performance of the entrance examinations which will include objective type questions Geography, Chemistry, Physics and Geology, Environmental Science, Zoology at B.Sc. Level. For Ph.D. admission there will an objective type examination at M.Sc., level.

## MISSION OF THE DEPARTMENT:

The Department makes every effort to achieve academic excellence with world class field training to produce Disaster Managers.

## VISION OF THE DEPARTMENT:

Natural and manmade hazards are increasing every year. Detection and remediation of the natural and manmade hazards are warranted urgently regionally and globally. To cater the needs: Curriculum is designed by Pondicherry University, to suit learners with multi skills. To develop man power to combat the mounting natural and manmade hazards, training with 'Application of Geophysical Techniques such as Electrical Resistivity Tomographic (ERT) Imaging; Ground Penetrating Radar (GPR); Seismic Imaging and Transient Electromagnetic (TEM) to identify the subsidence, fault/fracture, subsurface cavity, landslide prone area; identification of ground water resource, contamination of ground water, salt water intrusion, and leach ate plume migration, hazardous waste disposal remote sensing and GIS Laboratory with latest software of ArcGIS and ERDAS are provided. This training programme produces M.Sc., students with capability to make out and resolve the disaster related problem.

## INFRASTRUCTURAL FACILITIES

The Department has well equipped laboratories with World class Geophysical and Remote Sensing, GIS and Marine and Land Survey equipments to cater the needs of the practical course of M.Sc., students and PhD scholars. The major equipment facilities available in the Department are:

- Seismograph with 12 channels
- SIR 2000 Ground Penetration Radar
- Electrical resistivity imaging
- Transient Electromagnetic (terra TEM)
- Total Organic Carbon analyser
- Differential Global Positioning System (DGPS)
- Zutomatic weather Station
- Microscope with Image analyser
- Oceanographic Equipments
- Marine Magnetometer
- Side Scan Sonar ,
- Echo sounders
- Current meter
- Magnetometer(marine)

Apart from these facilities sophisticated Remote Sensing and GIS Laboratory with software of ArcGIS, and ERDAS. Computing and Network Facility: Adequate numbers of PCs in Remote Sensing Laboratory with internet connectivity are available.

## FIELD EQUIPMENTS:

Total station with Reflector; Auto Level with staff; Global Positioning system; Digital Camera; Rock cutting Machine; Automatic sieve shaker. Multi dated Satellite imageries for all Andaman & Nicobar Islands and coastal districts of Tamil Nadu are available.

## RESEARCH ACTIVITIES:

The research activities of the Department are mainly concerned with identification and migration of Natural Disasters, like Earthquake Coastal Landslides, Paleoseismological, Salt water intrusion, Tsunami Inundation modeling and impact of Tectonic subsidence of the islands with advent GPR, Terra TEM, Resistivity Imaging and Resistivity Variometer. Ministry of Earth Science has sanctioned Rs 25, 24, 400 for the Paleoseismological investigation in the Islands. National



Remote Sensing Centre (NRSC), Indian Space Research Organization, Department of Space, Government of India, Hyderabad has sponsored one project in the scheme of “Rajiv Gandhi National Drinking Water” to collect well data and water quality analysis for Andaman & Nicobar Islands.

### ONGOING DEVELOPMENTS:

Three new faculty positions have been sanctioned to the Department of Disaster Management. A new Magneto telluric meter (MT) will be added to the laboratory.

## FACULTY

### Professors

**N. Ramanujam, Ph.D.** (Panjab University, Chandigarh)  
Specialization: Geophysics, Exploration Technique,  
Resistivity Imaging, Landslide and Earthquake Prediction.

### Assisant Professors

**K. Dharanirajan, Ph.D.** (Anna University, Chennai)  
Specialization: Geographical Information System (GIS),  
Remote Sensing, Disaster Management, Coastal Zone  
Management, Software Development in Earth Science  
**S. Balaji, Ph.D.** (Bharathidasan University, Thrichirapalli)  
Specialization: Geophysics, Disaster Management, Tectonics,  
Ground Water.

# DEPARTMENT OF ASTROPHYSICS

School of Physical, Chemical and Applied Sciences

The department of Astrophysics came into existence in the year 2012. The department offers programme on two year M.Sc. Astrophysics. The course structure consist of first two semesters (Ist year) which include paper in basic physics Eg. Classical Mechanics, Quantum Mechanics, Mathematical Methods and General Physics. During the final two semesters (IIndyear) the course structure is of physics with celestial objects, Geometry (space time) ranging from basic astronomy and Astrophysics to general theory of relativity. Final semester project work is on Astronomy and Astrophysics.

## ■ PROGRAMMES OF STUDY

M.Sc. Astrophysics

## ■ ENTRANCE EXAMINATION

The selection of students is through an All India Entrance Examination Conducted by the University. The question paper will consist of 100 objective type questions. The objective question paper covers all the subjects at Under Graduate level with Physics as Main and Mathematics and Chemistry as ancillary.

## INFRASTRUCTURE FACILITIES

We have well equipped teaching Laboratory and Computer Laboratory. In addition, we have well equipped Central Instrumentation Facility with the following facilities for advanced research work: Fourier Transform Infrared Spectrometer, Differential Scanning Calorimeter, Impedance Analyzer, Ultrasonic Pulse Echo Interferometer, VSM (Lakeshore), UV-VIS-IR Spectrometer (Varian), Digital Nano Volt and Current Meters (Keith Ely), MMR, Scanning Electronic Microscope, Virtual Instrumentation System Lab, Spectrofluorimeter, etc.

## FACULTY

### Co-Ordinator:

Prof. K. Porsezian (Ph.D.) F.A.Sc.,

### Guest Faculties:

Dr. P. Sivakumar

Dr. Shincy John

Dr. D. Thirunavukkarasu

Dr. Amitava Choudhuri

Shri Chrisphin Karthik

# SCHOOL OF LIFE SCIENCES

Dean: Prof. Anisa B Khan

Department of Biochemistry and Molecular Biology  
Microbiology Programme  
Department of Biotechnology  
Department of Ecology and Environmental Sciences  
Department of Ocean Studies and Marine Biology  
Department of Food Science and Technology  
Centre for Bioinformatics

The School of Life sciences has six Departments and one centre offering diversified courses at the postgraduate levels (M.Sc. and M.Tech.) and research in interdisciplinary frontier areas leading to Ph.D. degrees. The Department of Marine Biology and Ocean Studies is based in Port Blair, Andaman Islands. The School is developing into a dynamic

hub for multidisciplinary and cutting edge research carried out in collaboration with institutions in India and abroad. The School also has an Animal House.

An interdisciplinary programme in Life Sciences (renamed as BUILDER) programme was started in the year 2010 with the financial support to the tune

of nearly Rs. 10 crores from the Department of Biotechnology, Govt. of India. The objective of the programme is to enhance teaching capacities and impart training and research in interdisciplinary areas of Life Sciences. The programme provides for state-of-the-art laboratory facilities and equipment, with a thrust area in Bio-prospecting of Molecules for Drug Discovery.

# DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

School of Life Sciences

The Department of Biochemistry & Molecular Biology was started as Department of Biological Sciences under School of Life Sciences in 1987 and had been offering M.Sc., Ph.D degrees in Life Sciences. In 2004, the Department was renamed as Department of Biochemistry & Molecular Biology. Since then this Department has been offering M. Sc. and Ph. D. courses in Biochemistry and Molecular Biology (BMB).

This Department offers a congenial environment for Knowledge development, research training and for individual growth. The Department has an excellent complement of teaching Faculty who are involved in basic and applied research in different areas of Biochemistry and Molecular Biology. The Faculty have had teaching postdoctoral research experience in Indian/ Foreign Universities/ Institutions prior to their appointment in this Department. The areas of research focus includes Reproductive Biology & Toxicology, Microbial Biochemistry, Protein Biochemistry, Metabolism involving Natural Products, Biopesticides, Liver toxicity, Immunology, Cancer biology, and Diabetes. The Faculty in the Department have established research collaborations with Indian and foreign investigators. Two of the faculty members were recipients of the Rockefeller Foundation Biotechnology Career Award and one of the faculty members was a recipient of the Biotechnology Overseas Award (DBT). Our faculties were Visiting Scientists to Population Council (USA), John Hopkins University (USA), University of Virginia, Cleveland Clinic (USA), and some were Fogarty Fellows, INSA-DFG, CSIR-CNRS and have visited USA, Germany and France. Apart from these prestigious awards, the faculty members have been traveling within India and abroad on various academic assignments.

The Department has received support from DST as special funding under DST-FIST beginning 2002 with a repeat support in 2009, and the UGC – Special Assistance Program in 2011. The Department Faculty secured extramural funding worth several crores of rupees from different National funding agencies such as DST, DBT, UGC, CSIR, ICMR, DRDO and Ministry of Environment & Forests. The Department has also attracted funding from international agencies like Population Council (USA) and the Rockefeller Foundation (USA). The Department has established collaboration with the Cleveland Clinic, USA for training students in Reproductive Biology.

## PROGRAMMES OF STUDY

M.Sc. Biochemistry & Molecular Biology  
**Integrated M.Sc. - Ph.D.** in Biochemistry & Molecular Biology  
 Ph.D. Biochemistry & Molecular Biology

## ENTRANCE EXAMINATION

Selection of students for the M. Sc. Program is based on the National Level Entrance Examination conducted by the Pondicherry University at various centers in the country. The test consists of multiple choice questions in Biochemistry, Molecular Biology, Zoology, Botany, Chemistry, Biophysics, Microbiology, Genetics, Physiology and allied areas.

For admission to the Ph.D program, UGC/CSIR- NET qualified students are directly admitted to the program. Students can join the Ph.D. Program based on merit as per list prepared following the National Level Entrance Examination conducted by Pondicherry University and are entitled to receive the University Fellowship. Research Fellows selected in Research Projects who are desirous to register for Ph.D. have to appear for the Entrance Examination.

## THRUST AREAS OF RESEARCH

- Reproductive Biology
- Thermostable Enzymes, Phytohormones/ Natural products, Metabolism, Gene Expression.
- Microbial Biochemistry & Biotechnology
- Natural Principles, Cell Signaling, Degenerative diseases Cancer, Diabetes, Parkinson's, Alzheimer's, Heart and Liver diseases
- Reproductive toxicology
- Phytomedicine
- Gene delivery – Targeted therapy

## LABORATORY AND INSTRUMENTATION FACILITIES AVAILABLE

The Department has state of the art laboratories with an excellent modern instrumentation facility for teaching and advanced research in Biochemistry and Molecular Biology. The Department has facilities to carry out research in in vitro and in vivo systems. The instrument facility includes- High Speed Refrigerated Centrifuges, Ultracentrifuge, Ultra sonicator, PCR, ELISA, Trans-blot apparatus, Geldoc apparatus, Temperature controlled plant growth chamber, CO<sub>2</sub>-incubators, Phase contrast microscope, UV-Vis Spectrophotometers, Ultra pure water-purifier and cold room.

## OTHER FACILITIES:

- The Department has an equipped animal cell culture facility.

- The Department has an exclusive computer laboratory with a high-speed internet connectivity.
- The Department faculty and students are provided access to the School of Life Sciences Animal House facility for experimental research.

### SPECIAL GRANTS RECEIVED

- The Department has received DST-FIST repeat support in 2009 (Rs. 70 Lakhs)
- The Department is a recipient of a Collaborative Research Grant awarded to the Departments of Biochemistry & Molecular Biology, Biotechnology and the Center for Bioinformatics, Pondicherry University under the IPLS program of the Department of Biotechnology, New Delhi, in 2010 (Rs.9 crores).
- The Department is a recipient of the UGC-SAP grant (Rs. 45.3 lakhs) in 2011.

### EMPLOYMENT ORIENTATION / SKILL FORMATION / KNOWLEDGE GENERATION

Every year a good number of students from this Department qualify in the UGC/CSIR-NET Exam and GATE and enter into Premier Research Institutes in India. Also some of our students get high scores in GRE/TOEFL exams and enter foreign Universities to pursue their Ph.D. programs in US and European Countries. Our students also have been placed in Pharmaceutical, Biotechnology and Bioinformatics companies.

### FACULTY

#### Professor

**P. P. Mathur, Ph.D.**(Banaras Hindu University, Varanasi)  
- (on EOL)

*Specialization:* Reproductive Biochemistry and Molecular Biology, Environmental Endocrinology and Bioinformatics

**K. Jeevaratnam, Ph.D.** (IISc, Bangalore)

*Specialization:* Nutrition Biochemistry, Microbial Biochemistry and Biotechnology

**K. Srikumar, Ph.D.**(University of Hyderabad, Hyderabad)

*Specialization:* Protein Biochemistry, Enzymology, Cytokines and Molecular biology

#### Associate Professor

**S. Baskaran, Ph.D** (IISc. Bangalore)

*Specialization:* Signal transduction and Molecular mechanisms of Tumorigenesis

#### Assistant Professor

**R. Rukkumani, Ph.D.**, (Annamalai University, Chidambaram)  
Natural Principles and Liver Toxicity, Gene Delivery-targeted therapy

**S. Sudha Rani, Ph.D.**,

(VCRC, Pondicherry University, Puducherry)

*Specialization:* Immunology, Cell Signaling in Degenerative Diseases-Diabetes, Parkinson's and Alzheimer's Disease

**C. Thirunavukkarasu, Ph.D.**, (University of Madras, Chennai)

*Specialization:* Cancer biology, Cell Signaling in Liver, Phytomedicine.

**P. Latha, Ph.D.**, (University of Madras, Chennai)

*Specialization:* Genetic engineering, Natural Principles and Heart disease, Reproductive toxicology

**Kitlangi Suchiang M.Sc**

(North Eastern Hill University, Shillong)

*Specialization:* Endocrinology, Biogerontology

**Dr. Madhu Dyavaiah Ph.D.** (University of Mysore)

*Specialization:* Biotechnology, DNA damage response

**Dr. Asmitha Dasgupta Ph.D.**

(Jadavpur University, Kolkata)

*Specialization:* Cellular and Molecular Neuroscience

#### Recognized External Guide

**R. S. Verma, Ph.D.**

(Professor, Dept. of Biotechnology, IIT, Chennai)

*Specialization:* Stem cell biology, Tissue regeneration, Folate receptor and Immunotoxins.

**Bidhan Chandra Koner M.D.**

(Professor, Dept. of Biochemistry, Moulana Azad Medical College, New Delhi)

*Specialization:* Immunobiology, Immunotoxicity, Glycobiology, Andrology, Cell Signaling and Clinical Biochemistry.

**Dr. Akilesh Pandey, M.D., Ph.D.**,

Director, Institute of Bioinformatics (IOB), Bangalore

*Specialization:* Signal transduction, Mass spectrometry, Protein-Protein interactions,

Post-translational modifications, Databases and Bioinformatics.

# M.SC. MICROBIOLOGY PROGRAMME (SELF-FINANCED COURSE)

School of Life Sciences

The M. Sc., Microbiology Programme was started in the year 2009 and is housed under the Department of Biochemistry and Molecular Biology, School of Life Sciences. The M.Sc., Microbiology Programme is committed to excellence in education, research and extension. The programme is being strengthened with various research units and periodical update / modernization of the curricula. The M.Sc., Microbiology programme at the Pondicherry University, School of Life Sciences, brings together a variety of researchers as faculty of this programme who are specialized in their domains and united by the common goal of understanding the “Microbes”. The Programme has offering M. Sc. and Ph. D. courses in Microbiology.

As the microbial activities are so diverse, the microbiology programme is a multidisciplinary subject, which will have the roots of life science, environmental science, and engineering. Traditional microbiology is considered to be an important area of study in biology since it has enormous potential and vast scope in fermentation, bioremediation and biomedical technology. But the recent developments from human microbiome project, metagenomics and microbial genome projects has expanded its scope and potential in the next generation drug design, molecular pathogenesis, phylogeography, production of smart biomolecules, etc. Modern Microbiology has expanded its roots in genome technology, nanobiotechnology, green energy (biofuel) technology, bioelectronics etc. Considering recent innovations and rapid growth of microbiological approaches and applications in human and environmental sustainability, the M.Sc. Microbiology curricula is designed to enlighten the students in basics of Microbiology to recent developments.

## PROGRAMMES OF STUDY

M.Sc. Microbiology  
Ph.D. Microbiology

## ENTRANCE EXAMINATION

The selection of students is based on All India entrance examination. The question paper will consists of objective type of questions of multiple. The questions will be of testing the basic knowledge of the students in general and applied microbiology, biochemistry, cell and molecular biology and genetic engineering.

For admission to the Ph.D program, UGC/CSIR- NET qualified students are directly admitted to the program. Students can join the Ph.D. Program based on merit as per list prepared following the National Level Entrance Examination conducted by Pondicherry University and are entitled to receive the University Fellowship. Research Fellows selected in Research Projects who are desirous to register for Ph.D. have to appear for the Entrance Examination.

## THRUST AREAS OF RESEARCH

Metagenomics and Bioprospecting.  
Fungal Genetics and Mycotoxicology  
Microbial Biocatalysis and Drug Discovery  
Enzyme Technology  
Cell Signalling

## LABORATORY AND INSTRUMENTATION FACILITIES AVAILABLE

The Department has state of the art laboratories with an excellent modern instrumentation facility for teaching and advanced research in Microbiology. The instrument facility includes- Laminar air flow, autoclave, microbial incubators, BOD incubator, High Speed Refrigerated Centrifuges, Ultracentrifuge, PCR, CO<sub>2</sub>-incubators, microscope, UV-Vis Spectrophotometers, water-purifier and -80C. Further major equipment is available in the central instrumentation facility.

## FACULTY

### Associate Professor & Co-ordinator

**Joseph Selvin, Ph.D.**

(Central Marine Fisheries Research Institute)

Specialization: Metagenomics and Bioprospecting

### Assistant Professor

**Regina Sharmila Dass, Ph.D.**

(University of Mysore, Mysore)

Specialization: Fungal Genetics and Mycotoxicology.

**Busi Siddhardha, Ph.D.**

(Jawaharlal Nehru Technological University, Hyderabad)

Specialization: Drug discovery and Microbial Biotransformations.

**Sharmili Jagtap, Ph.D.** (National Chemical Laboratory, Pune)

Specialization: Enzyme Technology, Developmental Biology.

**Dr. Maheswaran Mani, Ph.D.**

(Justus Liebig University Germany)

Specialization: Cell signaling in Diseases, Stem cell biology

### Recognized External Guide

**Dr. C. Raman Suri**

Institute of Microbial Technology, Chandigarh

# DEPARTMENT OF BIOTECHNOLOGY

School of Life Sciences

Since its inception in the year 1992 the Department of Biotechnology is offering M.Sc. and Ph.D. programmes in Biotechnology. The students admitted to M.Sc. Biotechnology programme are those selected in the combined entrance examination conducted by Jawaharlal Nehru University, New Delhi on all India basis.

The Department of Biotechnology, Govt. of India has given an additional grant to strengthen the M.Sc. Biotechnology teaching programme. To augment the infrastructure facility and to develop a vibrant research group, the members of the faculty have attracted extramural funding from both national (UGC, DBT, DST, CSIR, AICTE and BRNS) and international (Rockefeller Foundation and Danish Government) funding agencies. The publications coming out from the Department attest the exemplary research work carried out in the Department.

## PROGRAMMES OF STUDY

**M.Sc. Biotechnology**  
**Integrated M.Sc. - Ph.D. in Biotechnology**  
**Ph.D. Biotechnology (Full-time)**  
**PG-Diploma in Biotechnology**

## PG-Diploma in Biotechnology

This is an Add-on course of two semester duration offered during evening hours. Twenty Students are admitted based on merit in qualifying examinations and reservation is given as per University norms.

## ENTRANCE EXAMINATION

### M. Sc. Biotechnology

Twenty Three students are admitted based on merit in the All India entrance examination conducted by Jawaharlal Nehru University, New Delhi. Additionally, 2 top ranking students from among those who appear in the entrance examination who are also natives of U.T. of Puducherry are also admitted to M.Sc. Biotechnology programme. All the students admitted to M.Sc Biotechnology programme through JNU-DBT entrance examination are offered fellowship @ Rs. 3,000/- p.m.

### Integrated M. Sc., Ph. D. in Biotechnology

Nine students are admitted based on merit in the all India entrance examination conducted by Pondicherry University. All the students admitted into Integrated Ph. D. programme are offered stipend of Rs. 1000/- p.m. for four semesters (20 months) and Rs. 5000/- p.m. for the period of next three years extendable for one more year. Students with CGPA of 7 or more on completion of mandated credits at the end of 4 semesters are eligible to proceed to Ph. D. Others will be awarded for M. Sc. degree. Students with CGPA of 7 or more are also permitted to exit the programme with M. Sc. degree on successful completion of credit requirements, however, they shall refund the stipend of Rs. 1000/ p.m.

### Ph.D. Biotechnology (Full-time)

The Department offers a full time Ph.D. programme and students are admitted based on the all India entrance examination conducted by the University. The students who have joined the research projects awarded to the faculty members are required to qualify in the University entrance examination.

## THRUST AREAS OF RESEARCH

- Drug discovery from microbes and plants
- Nucleic acid and immunodiagnosis of plant pathogens and fish pathogens
- Immunostimulant and probiotics for disease control in fish and shrimp
- Plant genomics and Genetic engineering of crop plants
- Quorum sensing in bacterial pathogens
- Stem Cell Biology and Nanobiotechnology
- Epigenetics and Protein Engineering

## SPECIAL RESEARCH GRANTS RECEIVED

The Department receives research grants from various organizations like DBT, DST, UGC, CSIR, and Puducherry Government.

The Department is supported by the DST-FIST and the UGC-SAP programmes. All M.Sc. students undergo summer training in National Research laboratories, and universities in India.

## INFRASTRUCTURE FACILITIES

The Department has well-equipped, spacious laboratories with all modern facilities such as Cold room, Photodocumentation facility, Plant tissue culture facility, Biosafety facility, Animal cell culture facility and Animal house. The Department also has sophisticated equipments such as high speed refrigerated centrifuges, UV spectrophotometers, Bioreactor system, Fermentor, CO<sub>2</sub> incubator, Gel apparatus, Gel documentation system, ELISA reader, Multimode detector, PCR, Real-time PCR, Flash Chromatography, HPLC, GC, LCMS, vacuum concentrator, TG and IEF Electrophoresis, Flow cytometer, Lyophilizer and Phase contrast, Fluorescence and inverted microscopes.

## FACULTY

### Professors

**N. Sakthivel, Ph.D.** (University of Madras, Chennai)  
*Specialization:* Plant Biotechnology, Molecular Plant-Microbe interaction, Biological Nanoparticles

### Associate professors

**N. Arumugam, Ph.D.** (University of Delhi, Delhi)  
*Specialization:* Genetic Manipulation of Crop plants, Molecular Plant Breeding.

**V. Arul, Ph.D.** (Madurai Kamaraj University, Madurai)  
*Specialization:* Aqua Culture, Marine Biotechnology.

### Readers

**A. Hannah Rachel Vasanthi, Ph.D.**  
(Tamil University, Thanjavur)

*Specialization:* Biochemical Pharmacology and Toxicology, Herbal Drug Development

**B. Sudhakar, Ph.D.** (Indian Institute of Science (IISc), Bangalore)

*Specialization:* Stem Cell Biology, Nano Biotechnology

### Assistant Professors

**Lata Shukla, Ph.D.**

(Jawaharlal Nehru University, New Delhi) (on EOL)

*Specialization:* Plant Biotechnology, Free Radical Research

**K. Prashanth, Ph.D.**

(JIPMER, Pondicherry University, Puducherry)

*Specialization:* Medical Biotechnology, Immunology, Medical Microbiology.

**V. Venkateswara Sarma, Ph.D.**

(Madras University, Chennai)

*Specialization:* Microbiology, Microbial Biotechnology

**V. Balasubramanian M.Sc.**

(Tamilnadu Agricultural University, Coimbatore)

*Specialization:* Plant Biotechnology, Molecular Microbiology

**Arunkumar Dhayalan, Ph.D.**

(Jacobs University, Bremen, Germany)

*Specialization:* Epigenetics, Protein Engineering



# DEPARTMENT OF ECOLOGY AND ENVIRONMENTAL SCIENCES

School of Life Sciences

The major objective of this Department has been to provide interdisciplinary high quality education to students in order to deepen their understanding of contemporary ecological and environmental issues. The faculty have received international and national research awards and medals. Some have also been elected to the fellowship of National Academies and professional societies and are on the editorial boards of national & international journals.

## PROGRAMMES OF STUDY

**M.Sc.** Ecology and Environmental Sciences  
**Integrated M.Sc. - Ph.D.** in Ecology and Environmental Sciences  
**Ph.D.** Ecology and Environmental Sciences (Full time)

## ENTRANCE EXAMINATION

Selection of students for M.Sc. and Ph.D. is based on All India Entrance Examination. The question paper will consist of objective type questions.

## THRUST AREAS:

Biodiversity and Conservation; Environmental Pollution; Agro-Ecosystem; Weed Ecology; Land use Planning; Resource Management; Wetland Ecology; Mathematical Modeling; Human Ecology and Environmental Health; Remote Sensing and GIS; Marine Ecology; Coastal Zone Management; Constructed wetlands; Conservation Biology; Plant Animal Interactions; Ornithology and Wildlife Ecology.

## R & D PROJECTS:

Faculty members received funds for research projects from UGC, DST, MOEF, ONGC, Rockefeller Foundation, US Fish and Wildlife Service and other funding agencies.

## PLACEMENT

NGO's, Government Organisations and renowned research institutions and Universities in India and abroad

## INFRASTRUCTURE FACILITIES

The department has well equipped laboratory with sophisticated equipments such as Atomic Absorption Spectrophotometer, Skalar Auto Analyzer; UV Spectrophotometer, Gel-apparatus, Cooling high speed Centrifuge, FTIR Stereoscopic microscopes and Flame photometer.

## FACULTY

### Professors

**Priya Davidar, Ph.D.** (Bombay University, Mumbai)  
*Specialization:* Conservation Biology, Plant Animal Interactions, Behavioural Ecology, Field Ornithology.

**Anisa B. Khan, Ph.D.**

(Andhra University, Visakhapatnam)

*Specialization:* Environmental Epidemiology, Bio Remediation, Industrial Ecology, Resource Recycling & Management, Marine Ecology

**M. Vikram Reddy, Ph.D.**

(North Eastern Hill University, Shillong)

*Specialization:* Applied Soil Ecology; Soil Faunal Biodiversity; Pesticide Effects; Water Pollution; Wildlife Ecology; Ecotechnology and Environmental Biotechnology.

**N. Parthasarathy, Ph.D.** (University of Madras, Chennai)

*Specialization:* Biodiversity & Conservation, Forest Ecology, Diversity and Ecology of lianas, Medicinal Plant Resources

**K. V. Deviprasad, Ph.D.**

(Purdue University, USA)

*Specialization:* Bio-Physics; Theoretical Studies; Environmental Law & Policy.

### Associate Professors

**G. Poyyamoli, Ph.D.**

(Madurai Kamaraj University, Madurai)

*Specialization:* Human Ecology, Eco-Tourism, Agro-Ecology and Industrial Ecology

**D. Ramamoorthy, Ph.D.**

(Annamalai University, Chidambaram)

*Specialization:* Agriculture and Weed Ecology.

**A. Yogamoorthi, Ph.D.**

(Annamalai University, Chidambaram)

*Specialization:* Marine Ecology, Marine Biodiversity, Constructed wetlands, Bioactive compounds

**A. Vijaya Bhaskara Rao, Ph.D.**

(Sri Krishnadevaraya University, Anaparthi)

*Specialization:* Environmental Biotechnology, Environmental Seri-biotechnology, Plant Biotechnology, Environmental molecular biology, Environmental Physiology, Toxicology, Proteomics and metabolomics, Bioindustry, Structural biology.

## Readers

**S. Jayakumar, Ph.D.** (Bharathidasan University, Tiruchirapalli)

*Specialization:* Remote Sensing & GIS, Biodiversity, Natural Resources, Climate Change, Environmental Informatics.

## Assistant Professors

**S. S. Sundaravel, M.A., P.G.Diploma in Planning**

*Specialization:* Environmental Impact Assessment, Land Ecology, Global Change

**S. M. Sundarapandian, Ph.D.**

(Madurai Kamaraj University, Madurai)

*Specialization:* Plant Biodiversity, Nutrient Cycling, Biological Invasaion, Population Ecology, Medicinal Botany, Soil Biology.

**Suja P. Devipriya, Ph.D.**

(Cochin University of Science and Technology, Kochi)

*Specialization:* Photocatalysis, Water Quality and Water Treatment Technolgies, Environmental Biotechnology, Solid Waste Treatment.

# DEPARTMENT OF OCEAN STUDIES AND MARINE BIOLOGY

School of Life Sciences

The Department of Ocean Studies and Marine Biology was started as a Centre of Ocean and Island studies in the year 2000, and later it was upgraded to the present Department in the year 2004 with a major funding from UGC. The Department has its own campus, located at Port Blair, the picturesque capital of the Andaman and Nicobar islands. The Department has sophisticated laboratory facilities equipped with latest instruments for field investigations in ocean related sciences. Research and course programmes are designed to train the students in the field of Marine Biology.

The program is primarily designed to create trained manpower in Marine Biology. The Department is teaching marine systems and its application for sustainable management, creating a database on the oceanographic parameters including, physical, chemical and geological aspects. In addition, it is also providing inputs to formulate an effective management plan for coastal areas.

The Department offers two year masters degree and Ph.D., programs in Marine Biology. The Department's strategic location at Port Blair provides a unique opportunity for the students to get extensive exposure to various environments comprising of mangrove and coral ecosystems. The students enroll for the masters programmes get a student fellowship of Rs. 1000 per month. The selection of the candidates is based on the ranks obtained by all India entrance examination conducted at different parts of India by the University.

## PROGRAMMES OF STUDY

**M.Sc.** Marine Biology  
**Ph.D.** Marine Biology

## ENTRANCE EXAMINATION

### **M.Sc. – Marine Biology**

The question paper consists of objective type questions comprising in the field of biological sciences at graduate level.

### **Ph.D. in Marine Biology**

The question paper consists of objective type questions comprising in the field of marine biological sciences at post graduate level.

## INFRASTRUCTURE FACILITIES

The Department has the following basic and sophisticated equipments for teaching and research.

- i. HPLC
- ii. Hydrolab
- iii. Ultracentrifuge, Laminar air flow, Rotary Evaporator
- iv. Water, Sediment Samplers and Plankton Nets
- v. UV Spectrophotometer – Double Beam
- vi. Inverted Microscope with Image Analyser

## FACULTY

### Professor

P. M. Mohan, Ph.D.  
(Cochin University of Science and Technology, Kochi)  
Specialization: Marine Biology, Coral reef environmental monitoring, Meiobenthic studies, Marine Geology and Coastal management.

### Associate Professor

R. Mohanraju, Ph.D.  
(Annamalai University, Chidambaram)  
Specialization: Marine Biology, Microbial Ecology and Marine microbial processes in corals, mangroves and deep sea ecosystems.  
Jayant Kumar Mishra, Ph.D., D.Fs.(Japan)  
Specialization: Marine Biotechnology, Marine Bioactive Compounds, Induced Breeding and Larval Chemical Ecology of Marine Invertebrates.

### Assistant Professors

Gadi Padmavathi, Ph.D., D.Fs.(Japan)  
Specialization: Marine Biology, Marine Plankton, Fisheries and Pisciculture.  
S. Venu, Ph.D.  
Specialization: Marine Biology, Fish and Fisheries Sciences, Deep Sea and Coastal Fish Taxonomy, Aquaculture.  
T. Ganesh, Ph.D.  
Specialization: Marine Biology and Macro Benthic Community Study.  
K. A. Jayaraj, Ph.D.  
Specialization: Marine Biology and Benthic Ecology.

# DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

School of Life Sciences

The department of Food Science and Technology (Formerly Food Science and Nutrition) under the School of Life Sciences was established in the year 2007 offering post graduate course and Ph.D programme in Food Science and Nutrition and Food science and Technology (2009-2010 onwards). The major objective of the department is to implement education, research and outreach programs which are premeditated to provide a safe, nutritious, and affordable food supply that enhances human health. The faculty members in Food Science and technology come from diverse backgrounds and cover a wide range of specialties. We have experts in the areas of food chemistry, food microbiology and food safety, food processing, food engineering, food analysis, biotechnology and bio-processing, clinical nutrition, biochemical and molecular nutrition, community nutrition and dietetics.

## PROGRAMMES OF STUDY

**M. Sc.** Food Science and Nutrition  
**M. Sc.** Food Science and Technology  
**Dual Degree: M. Sc.** Food Science and Technology and  
**M. Sc.** Food Science and Nutrition  
**Integrated M.Sc. - Ph.D.** Food Science and Nutrition  
**Integrated M.Sc. - Ph.D.** Food Science and Technology  
**Ph.D.** Food Science and Nutrition  
 (Full time, Part-time: internal and external)  
**Ph.D.** Food Science and Technology  
 (Full time, Part-time: internal and external)  
**P.G. Diploma** in Food Safety and Quality Assurance in Food Industry (Full Time)

## ENTRANCE EXAMINATION

The selection of student is based on All India Entrance Examination.

**M.Sc. and Ph.D. in Food Science and Nutrition**  
 The question paper will consists of objective type questions in Human physiology, Food Microbiology, Biochemistry, Food Science, Nutrition, Dietetics and allied areas.

**M.Sc. and Ph.D. in Food Science and Technology**  
 The question paper will consists of objective type questions in Mathematics, Physics, Food Microbiology, Biochemistry, Food Science, Food process Engineering, Agricultural Engineering and allied areas.

**P.G. Diploma in Food Safety and Quality Assurance in Food Industry**  
 The question paper will consist of objective type questions in the area of General Food Safety, Microbiology, Hygiene and Sanitation.

## THRUST AREAS OF RESEARCH

Food product development by using novel processing techniques, Development of gadgets/ machineries for the food processing, Isolation and characterization of Bioactive

phytochemicals, Safety assurance of Food and Food product, Novel food products based on functional starter cultures, Fermented foods and starter culture and meat processing.

## INFRASTRUCTURAL FACILITIES

The Department is well equipped with spacious laboratories and sophisticated equipments. The Department has acquired state of the art Food Processing Pilot Plant. The Pilot Plant facility house various Food Processing equipment of Semi Industrial Scale such as Canning and Retort Unit, Spray Drying Unit, Modified Atmosphere packing unit, Industrial Baking Unit, Freeze Drying Unit, Tray Drier and Fluidized Bed drier in addition to other smaller equipments.

## FACULTY

### Readers

**H. Prathap Kumar Shetty, Ph.D.**

(Mangalore University, Managlore)

*Specialization:* Food Safety, food biotechnology

**S. John Don Bosco, Ph.D.**

(Tamil Nadu Agricultural University, Coimbatore)

*Specialization:* Agricultural Process Engineering

### Assistant Professors

**Narayanasamy Sangeetha, Ph.D.**

(Avinashilignam University for Women, Coimbatore)

*Specialization:* Therapeutic nutrition, community nutrition, food product development

**S. Haripriya , Ph.D.**

(Avinashilignam University for Women, Coimbatore)

*Specialization:* Nutritional epidemiology, Antioxidant and phytochemicals, Food Chemistry, food security, community nutrition

**Sunooj K.V., M.Sc.** (University of Mysore)

*Specialization:* Food science and technology, meat science and food engineering

**Seghal Kiran.G, Ph.D.** (Bharathidasan University )

*Specialization:* Molecular Microbiology (Genome Mining)

# CENTRE FOR BIOINFORMATICS

School of Life Sciences

The Centre for Bioinformatics in Pondicherry University was started as Sub Distributed Information Centre of the Department of Biotechnology, Govt. of India (DBT) in 1991. The mandate of the Centre is to train manpower and conduct research in various areas of Bioinformatics. Recognizing the progress made by the Centre, DBT upgraded the Centre to a full Centre level in 2002 and several new positions were sanctioned and additional funding was allocated.

The Centre is identified as a Centre of Excellence for Research and Training in the field of Bioinformatics by the Department of Information Technology, Govt. of India, New Delhi in 2007 and awarded a special grant of ` 3.69 crores. The Centre has taken up several research projects and has been offering modular courses in Bioinformatics under this Grant.

The Centre started an M.Sc., program in Bioinformatics in 2007 supported by the University Grants Commission (UGC) under the scheme of "Innovative Programme - Teaching & Research in Interdisciplinary and Emerging Areas". To advance research in Bioinformatics, the Centre started a Ph.D. Programme in 2009. From 2012, through UGC Special Assistance Program (SAP) at the DRS-I level, the Centre got ` 27,50,000 lakhs + 1 project fellow. The Ministry of Human Research & Development (MHRD) have considered our Centre for the Centre of Excellence in Structural Biology.

The Centre started has a Network M.Sc., Computational Biology teaching programme fully funded by DBT in collaboration with Madurai Kamaraj University, Madurai and Anna University, Chennai in 2010. This programme will be first of its kind in the country. The Centre has also signed an MoU with Institute of Bioinformatics (IoB), Bangalore and University of Sienna, Italy for collaborative research and Ph.D. guidance. The Ph.D. students can visit these labs for collaborative research and the details are available at [www.bicpu.edu.in](http://www.bicpu.edu.in).

All students, research scholars and faculty are provided round-the-clock computing facility with a separate 11 Mbps dedicated internet connectivity in addition to the regular internet connectivity provided by the University. The Centre has established a separate wet lab facility with sophisticated equipments. Most of the past students have been placed in various leading research institutions and industries.

Over the past few years, the Centre has taken up research activities in the areas of sequence analysis, molecular modeling, structural biology, database development etc., and several papers have been published in peer-reviewed International and National Journals. The faculty and students have received projects/fellowships from various funding agencies like Department of Biotechnology, Department of Information Technology, University Grants Commission, Council of Scientific and Industrial Research-JRF/SRF, Department of Science and Technology, Bioinformatics National Certificate (BINC), DST-Innovation in Science pursuit for Inspired Research (INSPIRE) and Rajiv Gandhi Fellowship.

The University is extending full support for the development of the Centre by providing a new state of the art building.

## PROGRAMMES OF STUDY

**M.Sc. Bioinformatics**

**M.Sc. Computational Biology**

**Integrated M.Sc. - Ph.D. Bioinformatics**

**Ph.D. Bioinformatics**

**P.G. Diploma** in Bioinformatics (Add on)

## ENTRANCE EXAMINATION

**M.Sc. Bioinformatics**

Selection is based on an entrance examination conducted at various Centres by Pondicherry University. The test consists of multiple choice questions in Biochemistry, Molecular Biology, Biotechnology, Chemistry, Biophysics, Computer Science, Statistics and Mathematics.

**M.Sc. Computational Biology**

Selection will be based on a common entrance examination

to be conducted at various Centres by Pondicherry University. The details will be advertised in newspapers and will be available at [www.pondiuni.edu.in](http://www.pondiuni.edu.in) and [www.bicpu.edu.in](http://www.bicpu.edu.in), [www.annauniv.edu](http://www.annauniv.edu), [www.mkuniversity.org](http://www.mkuniversity.org) & [www.biotechmku.org](http://www.biotechmku.org).

A stipend of ` 5,000/- p.m. will be provided by the Department of Biotechnology, Government of India, New Delhi for all the students admitted.

**Ph.D. in Bioinformatics**

Selection is based on an entrance examination conducted at various Centres by Pondicherry University. The test consists of multiple choice questions in Biochemistry, Molecular Biology, Biotechnology, Chemistry, Biophysics, Computer Science, Statistics and Mathematics at PG level. Candidates who have qualified for JRF (UGC / CSIR-NET / DBT-BINC) are exempted from entrance exam. They can apply directly.

The University has signed an MoU with Institute of Bioinformatics (IoB), Bangalore for collaborative research and Ph.D., guidance. Selected candidates can also work at IoB on collaborative projects.

### P.G. Diploma in Bioinformatics

It is a module based programme. Completion of two modules will entitle P.G. Diploma in Bioinformatics, while completion of one module will entitle a certificate. This course is also offered as an Add-on evening programme. Students will be admitted based on merit in qualifying examinations and reservation is applicable as per University norms.

## THRUST AREAS OF RESEARCH

Molecular Biology, Systems biology, DNA-Protein Interactions, Genome Sequence analysis, Protein Structure Modeling, Molecular modeling, X-ray Crystallography, Drug Design, Metabolic Pathways and re-constitution, Cell Signaling, Single particle analysis, Medicinal Chemistry.

## SPECIAL GRANTS

Approximately Rs. 8 Crore is allocated by various funding agencies like DBT, DIT and UGC towards teaching and research

- DBT - Centre For Bioinformatics (Continuing Scheme)
- DIT - CoE In Bioinformatics (Continuing Scheme)
- DBT - M.Sc. Computational Biology (Continuing Scheme)
- UGC - Innovative Programme-Teaching and research in Interdisciplinary (Continuing Scheme)
- DBT - Advance P.G. Diploma in Bioinformatics (2001-2008)
- UGC - Special Assistance Program (Continuing Scheme)

## INFRASTRUCTURE FACILITIES

### A. COMPUTERS AND COMMUNICATION FACILITY

Tesla GPU server, Xeon Quad Core Servers(4 Nos.), Xeon Cluster Servers(3 Nos.), Itanium Server, AMD Opteron Server, Wipro Xeon Server, HP Workstations(5 Nos.), Silicon Graphics Fuel Machine, Apple iMac(2 Nos), HCL Laptops(5 Nos.), HCL/HP Intel Core i3/Core 2 Duo Workstations (145 Nos.) – Works on both Windows and Linux Operating Systems.

The Centre has a dedicated 11 Mbps internet connectivity exclusively for the Centre from BSNL and is managed by Cisco Routers and manageable switches.

Modern computing facilities and round the clock internet connectivity are provided to the students to meet their academic and research needs.

### B. WET LAB

The Centre has developed a separate wet lab facility. The lab is functional with the following equipments: High performance Liquid Chromatography (AKTA-HPLC), UV-Visible

Spectrophotometer, ELISA Reader, Gel Documentation System, PCR Thermal Cycler, -80°C Deep Freezers, -20°C Freezer, Refrigerated Table Top Centrifuge, Quartz Distillation Unit, Water purification system, Bench Top Freeze Dryer, Vertical Gel apparatus, Horizontal Gel apparatus, Western blot apparatus, UV illuminator, and pH meter. The Centre is in a process of establishing a cell culture facility.

### C. SCIENTIFIC SOFTWARE PACKAGES

Schrodinger Mastero 2011, Tripos Sybyl 8.1, SPSS 10, Discovery Studio 3.1, Endnote 11, Amber 11, Autodock, Dock, Modeller, Gromos 96, V-Life, Whatif, EMBOSS, BioEdit, Phred, Consed, GeneScan, Statistica, R

### D. RESOURCES & SERVICES

A separate website available at [www.bicpu.edu.in](http://www.bicpu.edu.in) is being maintained by the Centre. This website, designed in-house and hosted in the web server, is maintained in the Centre. Information about courses, admissions, syllabus, seminar notifications & various opportunities for traineeship/studentship / JRF are updated periodically. Bioinformatics related tools can be downloaded from the site.

In addition the centre has Domain Name Server (DNS), Database Server, E-Book Intranet Server, Proxy Server and Cluster Computing servers

### E. DATABASES & OTHER INFORMATION RESOURCES IN THE CENTRE

#### Books

Approximately 600 books available in the reference library of the Centre

#### Journals

Science, Nature, Scientific American, Briefings in Bioinformatics, Bioinformatics, Nature Structural and Molecular Biology, Nature Chemical Biology, Cell, Bioinformatics Trends, Current Science

#### Magazines

Linux for you, PC Quest, Chip, Biospectrum

#### Access to E-Journals

University has access to UGC Infonet Journals, Science Direct, Blackwell Publishers, EBSCO Databases

## PLACEMENT DETAILS

Some of the students trained in the Centre are placed in the following organizations between 2001 and 2012:

### Industry Placements

- HCL Info Systems
- Tata Consultancy Services
- Molecular Connections, Bangalore
- Institute of Bioinformatics, Bangalore
- Protein Lounge, Bhubaneswar
- Genemines, Chennai
- BIOBASE Databases Indian Pvt. Ltd., Bangalore
- Computational Research Lab, Pune
- Jubilant Biosys, Bangalore

- Wipro Technologies, Chennai
- Schrödinger, Hyderabad
- EnZene Biosciences Pvt. Ltd., Bangalore
- ABLE C Drive, Bangalore
- Persistent Systems Limited, Pune

## Teaching/ Research Placements

- Pusan National University, South Korea
- Stony Brook University, New York
- Sungkyunkwan University, South Korea
- University of Madras, Chennai
- Central Sericulture Research & Training Institute, Mysore
- Institute of Microbial Technology Institute, Chandigarh
- Indian Institute of Technology, Chennai
- Jawaharlal Nehru University, New Delhi
- Kumaun University, Nainital
- Maulana Azad National Institute of Technology, Bhopal
- Amity University
- Yeungnam University, South Korea
- Maharshi Dayanand University, Haryana
- Technical University of Munich, Germany
- La Trobe University, Australia
- Swinburne University of Technology, Australia
- Louisiana State University, USA
- University of Illinois

## FACULTY

### Professor

**Prof. Priya Davidar, Ph.D.** (Bombay University, Mumbai)  
Specialization: Spatial Ecology and Bioinformatics

### Associate Professor

**Basant K. Tiwary, Ph.D.** (University of Calcutta, Kolkata)  
Specialization: Molecular Evolution, Systems Biology, Bioinformatics.

### Readers

**A. Dinakara Rao, Ph.D.**  
(Sri Venkateswara University, Tirupati)  
Specialization: Cell Signaling, Molecular Entomology, and Biochemistry.

**P. T. V. Lakshmi, Ph.D.** (University of Madras, Chennai)  
Specialization: Phytomatics, genomics and Proteomics, biofuel from Cyanobacteria.

## Assistant Professors

**R. Krishna, Ph.D.** (University of Madras, Chennai)  
Specialization: X-ray Crystallography (Proteins), Molecular Modeling (Protein & DNA).

**M. Suresh Kumar, Ph.D.** (University of Madras, Chennai)  
Specialization: Structural Studies on Viral Proteins, Promiscuity of Antibodies, Inhibitors for Viral Proteases.

**Archana Pan, Ph.D.** (Jadavpur University, Kolkata)  
Specialization: Comparative Genomics, Molecular Evolution, Drug Design.

**R. Amutha, Ph.D.** (University of Madras, Chennai)  
Specialization: Computational Biology, Molecular Dynamics, Simulations, Drug Design.

**B. Syed Ibrahim, Ph.D.** (University of Madras, Chennai)  
Specialization: Macromolecule Crystallography, protein-protein interaction analysis, Venom protein studies.

**A. Murali, Ph.D.** (Sri Venkateswara University, Tirupati)  
Specialization: Structural Biology, Transmission electron microscopy, Single particle analysis, Nano-biotechnology.

**S. Mohane Coumar, M.Pharm, Ph.D.**  
(Punjab University, Chandigarh)  
Specialization: Drug design and Medicinal Chemistry Development.

**Dr. V. Amouda, Ph.D.** (Pondicherry University)  
Specialization: Database Management Systems, Algorithms.

## RECOGNIZED PH.D. GUIDE FROM OTHER INSTITUTIONS.

### Institute of Bioinformatics, Bangalore

**Akhilesh Pandey, Ph.D.**  
(University of Michigan, U.S.A)  
Specialization: Genomics, Proteomics, Bioinformatics, Molecular Biology.

**T. S. Keshava Prasad, Ph.D.** (Goa University, Goa)  
Specialization: Bioinformatics, Genomics & Proteomics.

**Aditi Chatterjee, Ph.D.** (University of Calcutta, Kolkata)  
Specialization: Proteomics, Cancer Biology/ Molecular Biology, Signaling pathway, miRNA in cancer.

### Indian Institute of Chemical Technology, Hyderabad,

#### FACULTY RECOGNIZED FOR PH.D. PROGRAMME

**G. Narahari Sastry, Ph.D.**  
(University of Hyderabad, Hyderabad)  
Specialization: Bioinformatics, Computational Biology, Computational Chemistry.

# SCHOOL OF HUMANITIES

Dean: Prof.S.Pannirselvame

Department of English  
 Department of French  
 Department of Hindi  
 Department of Sanskrit  
 Department of Philosophy  
 Department of Physical Education and Sports  
 Centre for Foreign Languages  
 Escande Chair in Asian Christian Studies

All the Departments offer P.G., Ph.D. programmes. However, the Centre for Asian Christian Studies offers only Ph.D. and P.G. Diploma in Asian Christian Studies programmes. The School caters to the needs of a large number

of students of the University and some of the faculty members of the School have made enormous contributions to their respective disciplines and they are known and recognised in the academic community for their scholarship

The centre for Foreign Languages offer evening certificate courses in Japanese, Chinese, Korean, French, Italian, Spanish, German and Russian.



# DEPARTMENT OF ENGLISH

School of Humanities

The Department of English, one of the oldest Department of the University, was established on 1st December, 1986, and since inception the Department has been the hub of teaching and research activity, attracting a cross-section of students and research scholars from all over the country. It has established itself as a stronghold of Comparative Literature, teaching Comparative Literary Theory and fostering Comparative Literary Studies between Indian Languages and English. In recent years, Cultural and Translation Studies too have come to be a thrust area, inspiring inter-disciplinary and intra-disciplinary insights among faculty and students alike. An ecologically sensitive critical thinking and teaching has also emerged and the Department is one of the earliest in the country to proffer multicultural studies in this area—and with the founding and establishment of the Association for the Study of Literature and Environment-ASLE India (the Indian counterpart of the International forum of that name) in 2006, this has fostered a renewed direction to academics and scholars alike.

At the postgraduate level, the Department of English offers courses in poetry, drama, prose and fiction of canonical British literature and American Literature, thus offering a good training for UGC-NET aspirants, and all those keen to acquaint themselves with these classics. A strong theoretical foundation is laid with two Literary Theory courses spread over two semesters. The Department offers courses in ELT and Research Methodology which are application-oriented. A basic course devised as Language through Literature offers students an orientation to the formal study of English language and literary appreciation. A high-point of our M.A. Programme is the research project that encourages individual initiative and self-study on the part of the students. Emerging areas of study such as, Media Studies Postcolonial Literatures, and Ecocritical Studies along with an array of specialized electives make for an M.A. programme that is a mix of the conventional and the new.

The M.Phil programme is marked by rigorous course-work in theory and criticism and in emergent literatures cutting across various genres like poetry and fiction, and a semester-long work on a dissertation. The Department encourages research at the Ph.D. levels in a number of areas, such as Poetry and Poetics, Diaspora Studies, Subaltern Literatures, Nature-oriented Literatures, Interdisciplinary and Cultural Studies.

## ■ PROGRAMMES OF STUDY

M.A. English and Comparative Literature  
**Ph.D.** English (Full-time & Part-time (Internal & External))  
**PG Diploma** in Professional Communication in English (PGDPCE)

## ■ ENTRANCE EXAMINATION

**M.A.:** The entrance Examination would comprise Objective Type questions of a general nature drawn from Undergraduate syllabi from Indian Universities. The major focus should be on poetry, prose, drama and literary criticism—British, American, Commonwealth and Indian—that an undergraduate is expected to be familiar with—An overall awareness of literature is what is tested.

**Ph.D.:** A common entrance test—with Objective type questions drawn from the postgraduate syllabi of Indian Universities. Since the student has the option to choose to appear for either of the two or both at the application level itself, a greater emphasis will be given to evaluating the research aptitude and awareness of international literary movements, theoretical perspectives and writing from across cultures.

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

The English Department through the weekly Research and Journal Alert Forum encourages the sharing the presentation of research activities, both of the faculty members and the scholars of the Department. Wall magazines and regular cultural programmes offer opportunities to students to exhibit their talent in writing, drawing, painting, singing and other art forms. In all, the creative talents of each student is cherished and encouraged.

The Department periodically organizes Seminars, Workshops and Conferences in areas of current interest and also extends invites to renowned scholars to come and deliver talks and lectures.

## WRITER IN RESIDENCE:

Initiated by the Department of English from 2010, this unique programme is intended as a Chair for Creative Writing and is envisaged as providing the University with an opportunity to invite celebrated writers to reside in the campus and to share their expertise and experience with students and fellow scholars alike.

## PLACEMENT

Students who have completed their Degree from the Department go on to get employment as teachers in schools or in Colleges and Universities all over India. Some have entered the Corporate and Media field. Some have found employment as content writers and technical writers and editors. A placement cell in the Department coordinates between students and prospective employers.

## INFRASTRUCTURE

The Department has well-ventilated classrooms, Seminar room and projection facilities.

## FACULTY

### Professors

**S. Murali, Ph.D.** (University of Kerala, Trivandrum)

*Specialization:* Poetry, Aesthetics, Literary Theory, Indian Literature, Visual Arts, and Environmental Studies.

**N. Natarajan, Ph.D.** (University of Madras, Chennai)

*Specialization:* Literary Criticism, Modern Fiction, Comparative Literature and Semiotics.

**Sujatha Vijayaraghavan, Ph.D.** (IIT, Chennai)

*Specialization:* Indian Writing in English, Translation Studies, Postcolonial Studies. Oral Literatures & Folklore Studies.

### Associate Professors

**P. Bhaskaran Nair, Ph.D.** (CIEFL, Hyderabad)

*Specialization:* English Language Teaching, Teacher Education and Materials Production.

**Clement Sagayaradja Lourdes Ph.D.** (Pondicherry University)

*Specialization:* Indian Writing in English and Translation Studies.

**H. Kalpana Ph.D.** (Pondicherry University)

*Specialization:* Canadian and American Literature, Women's Literature and Feminist Theories.

### Reader

**T. Marx., Ph.D.**

(Manonmaniam Sundaranar University, Tirunelveli)

*Specialization:* Comparative Literature, Drama, Subaltern Studies and Translation.

### Assistant Professors

**Binu Zachariah Ph.D.** (University of Hyderabad, Hyderabad)

*Specialization:* Comparative Literature and Communication Skills.

**Lakhimai Mili M.A., PGDTE** (CIEFL, Shillong)

*Specialization:* English Language Teaching

**Visakadevi S, Ph.D.** (Pondicherry University)

*Specialization:* Comparative Literature, Poetry

**Ujjwal Jana, Ph.D.**

(Indian Institute of Technology, Kharagpur)

*Specialization:* Indian Aesthetics, Indian Literature, Indian Writing in English.

**Reshmi K. M. A., Ph.D.**

(Avinashilingam University, Coimbatore)

*Specialization:* Ecocritical and Feminist Writings, Commonwealth Literature.

Photo: Gopinath S.

# DEPARTMENT OF FRENCH

School of Humanities

The Department of French was established in 1987. The following programmes are conducted: M.A. French ( Translation & Interpretation ), Ph.D. Faculty members are trained in French Language and Literature. They have undergone specialized training at various universities in France. The two- year Master's degree in French translation and interpretation prepares students for successful jobs like Translators, Teachers, Assistant Professors and Executives. Students are given wide options to select electives from various Departments of the University so as to increase their job opportunities and to become fully equipped to face the challenges of life.

## PROGRAMMES OF STUDY

**M.A.** French (Translation and Interpretation)  
**Ph.D.** French (Full-time & Part-time (Internal & External))

## ENTRANCE EXAMINATION

**M.A.** French (Translation and Interpretation)  
 The Question Paper for the Entrance Examination will mostly consist of objective type questions on French language, literature and civilization. However, 30 marks out of 100 will be allotted to translation and essay writing in order to test the linguistic and writing skills of the candidate.

**Ph.D.**  
 The written examination will consist mostly of objective type questions on French language, literature and civilization, and one essay type question to test the argumentative skills of the candidate.

## LINKAGES WITH FRENCH UNIVERSITIES

M.A. students can pursue their studies at the University of La Réunion which has a Memorandum of Understanding with the Pondicherry University. The credits earned in that French University will be taken into consideration, and the M.A. Degree will be awarded by the Pondicherry University. Linkages with other French Universities are also being envisaged, so as to enable the students of Pondicherry University to undertake research and higher studies in France.

Every year, the students of the French Department are offered a chance by the French Embassy, New Delhi, to teach the English language in various regions of France for a period of one year. This also gives them an opportunity to do some courses in French Universities, and also to have first hand information of life in France. Back in India, they are thus able to fare well in their professional lives.

## JOB OPPORTUNITIES

All the students, after their Post – Graduation are absorbed as Assistant Professors, Teachers, Translators and Executives in companies like Renault, HSBC, TCS, CTS, HP, Wipro, Ford, GE, British Airways, etc.

## INFRASTRUCTURE FACILITIES

The Department has audio and video equipments designed for the teaching of language, as well as browsing facilities.

## FACULTY

### Professors

**S. Pannirselvame, Ph.D.**

(Pondicherry University, Puducherry)

*Specialization:* French Language, French Linguistics, Translation, and Teaching of French as a Foreign language.

**Nalini J. Thampi, Ph.D.** (CIEFL, Hyderabad)

*Specialization:* French and Francophone Literatures, Comparative Literature, and Women's Writing.

### Assistant Professors

**Ananda Vadivelou, DEA** (Sorbonne University, Paris III)

*Specialization:* French Civilization, Business French, Hotel Management and Tourism.

**C. Thirumurugan, Ph.D.**

(Pondicherry University, Puducherry)

*Specialization:* French Literature and Comparative Literature.

**Sarmila Acharif, M.Phil.**

(Pondicherry University, Puducherry)

*Specialization:* French Literature and Comparative Literatures.

**Jayapal Sharmili, M.Phil.** ( Pondicherry University )

*Specialization:* French and Francophone Literatures

**Ritu Tyagi, Ph.D.**(Louisiana State University)

*Specialization:* French and Francophone Literatures, Women's Writing

# DEPARTMENT OF HINDI

School of Humanities

Department of Hindi is offering educational programmes since past 18 years. It has emerged as a strong Department since 1993. The Department has a strong potential in research programmes and it facilitates for intensive study and research in different areas of Hindi Language and Literature and its applied and functional aspects such as translation, Comparative studies, other discourses etc. Syllabus of the Hindi Department is based on the Model Syllabus of University Grants Commission. Faculty members of the Department have designed 13 Soft Core courses which are offered both in Hindi and English medium and 15 Elective programmes. Department is playing a vital role in spreading E-Literacy in the area of computing in Indian Languages. Best practices in teaching, learning and evaluation process are through Seminars, class tests, group discussions and use of ICT in teaching.

## PROGRAMMES OF STUDY

**M.A. Hindi**

**Integrated M.A. - Ph.D. in Hindi**

**Ph.D. Hindi**

(Full-Time & Part-Time {Internal & External})

**P.G. Diploma in Functional Hindi and Translation**

(Evening Course)

As an add on programme which will facilitate the students to obtain dual degree simultaneously, thus enhancing their employability. Any Graduate with Hindi as one of the subjects at the UG level or Praveen from DBHP Sabha along with any Under Graduate Degree is eligible to pursue the course. The P.G. Diploma in Functional Hindi and Translation is a one year course with six papers and a project, offered in two semesters. Each semester has 3 papers. Valuation will be 40% internal and 60% External.

**Certificate Course in Spoken Hindi**

**Certificate Course in Basic Hindi**

These courses will be offered on Campus and in Community College. These courses are exclusively for the candidates who do not have Hindi knowledge.

## ENTRANCE EXAMINATION

Ph.D., M.A. all question papers will have objective type questions for 100 marks. The questions will be related to Hindi Language and Literature of Under Graduate level for M.A Entrance Examination. Ph.D. entrance Examination will be of Post- Graduate level to test the comprehensive understanding of History of Hindi Literature, Hindi Language and the research aptitude of the candidate.

## INFRASTRUCTURE FACILITIES

The Department has good infra-structural facilities including interactive class rooms, LCDs and other teaching aids to assist teachers and student in their pursuit of academic excellence. Computers with internet facility.

## AIM AND VISION

The vision and mission of the Department of Hindi is to enhance the efficiency and proficiency of the Scholars and Student in the filed of Language and literature. The Department envisages a creative environment and an atmosphere of learning by facilitating multi-disciplinary interaction. It aims to inspire the students to pursue the inherent urge to gain knowledge

through various activities. To encourage creative writing and cultural activities are encouraged through participation in FM Radio, publishing departmental magazine and Wall magazine.

## RESEARCH & EXTENSION ACTIVITIES

Faculty Members are engaged in Major Research Projects funded from University Grants Commission. Faculty members are engaged actively in the extension activities such as spreading E-Literary, developing e-content, referees, editors in National Journals and are members in National Committees.

## PLACEMENTS

Hindi Post Graduates have wide scope in various organizations such as Central Govt. and State Govt. organizations, Public Sector Undertakings, Govt. Enterprises, Public Sector Banks, Media and Publication Houses, etc. as Translators, Hindi Officers, Editors; and in Educational Institutions of various levels as Teachers, Lecturers, Professors etc.

Our students are represented from various states of all over the Country. Many students have cleared UGC-NET and JRF Examinations. Our students have been placed well in various Govt. organizations, Universities, Banks and other Organizations. Special orientation programmes are being conducted for the students for the development of skills and better employability.

## FACULTY

### Professor

**V. Vizialakshmi, Ph.D., D.Litt.**

(B.R. Ambedkar University, Muzaffarpur)

*Specialization* : Medieval and Modern Poetry, Hindi Fiction and Comparative Literature

### Assistant Professors

**S. Padmapriya, Ph.D.**

(Sri.Venkateswara University, Tirupati)

M.Phil (Hyderabad University, Hyderabad)

*Specialization*: Modern Poetry, Drama, Functional Hindi and Translation.

**Pramod Meena, M.Phil** (University of Delhi)

*Specialization*: Cinema and Media Studies, Linguistics and Hindi Drama

**C. Jaya Sankar Babu, Ph.D.** (University of Mysore, Mysore)

*Specialization*: Journalism, Functional Hindi, Hindi Language and Literature and Language Computing

# DEPARTMENT OF SANSKRIT

School of Humanities

The Department of Sanskrit started functioning from the 7th August 1988 and it aims to train students who are oriented towards research and teaching in advanced areas of Vedanta, Nyaya, Yoga, Vyakarana, Literature and Literary Criticism. Besides week-end Seminars, Sanskrit general studies and coaching for NET/JRF are also provided.

## PROGRAMMES OF STUDY

**M.A.** Sanskrit

**Ph.D.** Sanskrit Full-time & Part-time (Internal & External)

**Certificate Course** in Sanskrit (Add-on)

## ENTRANCE EXAMINATION

The entrance examination for admission to M.A. programme will include questions of B.A. Sanskrit or Sastri level on the following topics: Prose, Poetry, Drama, Historical Kavya and Alankaras. Candidates seeking admission to M.A. should have 50% of marks in Sanskrit in graduation.

Admission to Ph.D. is through Entrance Examination which will be of the level of M.A. in the following areas.

There will be Seventy objective type questions (MCQ pattern) carrying four marks for each correct answer and minus one mark for wrong answer. There will be three descriptive questions for the 30% mark component.

### Dramas:

Abhijnanasakuntalam, Mrchakatikam, Uttararamacharitam

### Poetry

Raghuvamsa (1-2) and Kumarasambhavam (5), Meghadutam

### Grammar

Samjna, Sandhi, Karaka, Samasa, Linguistics and Nirukta

### Alankara

Kavyadarsa, Dhvanyaloka, Rasagangadhara and Natyasastram (6)

### Darsanas

Vedantasara, Tarka Samgraha Sankhya Karika, Yogasutra,

### Upanisad

(Katha, Isavasya & Svetasvatara) and General Sanskrit.

### General Sanskrit

## INFRASTRUCTURE FACILITIES

Computers with internet facility are available.

## FACULTY

### Professor:

**C. S. Radhakrishnan. Ph.D.** ( University of Madras)

*Specialization:* Kavyasastra, Manuscriptology, Indology and Visishtadvaita

### Associate Professors

**J. Krishnan, Ph.D.** ( University of Madras)

*Specialization:* Advaita Vedanta and Nyaya

**K. E. Dharaneedharan, Vidyavaridhi** (New Delhi)

*Specialization:* Nyaya, Mimamsa, Advaita Vedanta and Visishtadvaita Vedanta

**Chakradhar Behera. Ph.D.** (University of Pune)

*Specialization:* Vedanta, Sankhya, Yoga, Linguistics and Literature

### Assistant Professors

**C. Palaiah. Ph.D.** ( University of Mysore)

*Specialization:* Kavya Sastra

**Anil Pratap Giri, M.Phil,**

(Jawaharlal Nehru University, New Delhi)

*Specialization:* Indian Poetics, Grammar, Navya Nyaya Language & Methodology, Linguistics

# DEPARTMENT OF PHILOSOPHY

School of Humanities

The Department of Philosophy started functioning from the academic year 1989-90 and is offering Ph.D., and M.A. programmes. The thrust areas of teaching and research are Metaphysics (Eastern & Western), Epistemology (Eastern & Western) and Social Philosophy (Eastern & Western).

## PROGRAMMES OF STUDY

M.A. Philosophy

**Ph.D. Philosophy:** Full-time & Part-time  
(Internal & External)

## ENTRANCE EXAMINATION

M.A. The written paper for admission will comprise of objective type questions of the undergraduate level.

Ph.D. The written paper for admission will comprise of subjective type questions of the post-graduate level.

## FACULTY

### Professors

**V. C. Thomas, Ph.D.** (University of Delhi)

*Specialization:* Phenomenology, Existentialism & Metaphysics

**K. Srinivas, Ph.D.**

(Jawaharlal Nehru University, New Delhi)

*Specialization:* Analytic Philosophy, Epistemology (Indian and Western), Philosophy of Science & Modern Logic

### Associate Professors

**B. R. Shantha Kumari, Ph.D.**

(Pondicherry University, Puducherry)

*Specialization:* Advaita, Aesthetics, and Classical Indian Philosophy

**S. Indira, Ph.D.**

(Sri Venkateswara University, Tirupati)

*Specialization:* Contemporary Indian Philosophy, Gandhian Philosophy & Yoga Philosophy

### Assistant Professor

**P. Kesava Kumar, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Ethics and Social Philosophy, Contemporary Indian Philosophy, Cultural Studies, Philosophy of Religion and Political Philosophy

# DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

School of Humanities

The Department of Physical Education and Sports was established in August 1987.

## PROGRAMMES OF STUDY

**M.P.Ed.** Master of Physical Education & Sports  
**Integrated M.P.Ed. - Ph.D.** in Physical Education  
**Ph.D.** Physical Education & Sports  
 Full-time & Part-time (Internal & External)  
**P.G. Diploma.** Health Fitness & Life Style Management

## ENTRANCE EXAMINATION

M.P.Ed., - Five years Integrated : The questions are drawn from General Knowledge, Health Educations, current Sports, Physical Education, Yoga, General English, Physics, Chemistry, Biology, Mathematics at +2 level with equal weightage.

(a) Physical fitness - 3 tests (practical)	= 25 Marks
(b) Proficiency in games (practical)	= 25 Marks
(c) Entrance Examination (Objective Type)	= 50 Marks
Total	100 Marks

**M.P.Ed.:** The written examination for M.P.Ed. will comprise of multiple and objective type questions of B.P.Ed. / B.P.E. level drawn from the following subjects:

Anatomy & Physiology, Measurement and Evaluation, History of Physical Education, Principles of Physical Education, Camping, Sports Management, Methods in Physical Education, Psychology, Yoga, General Knowledge, Games and Sports. The applicants should also undergo physical fitness tests and games proficiency tests conducted by the Department.

(a) Physical fitness - 3 tests (practical)	= 25 Marks
(b) Proficiency in games (practical)	= 25 Marks
(c) Entrance Examination (Theory)	= 50 Marks
Total	100 Marks

**Ph.D.:** The questions for the entrance examinations will consist of objective type questions drawn from the M.P.Ed. / M.P.E./ M.P.E.S., viz., Research Methods, Elementary Statistics, Exercise Physiology, Measurement and Evaluation in Physical Education, Bio-Mechanics and Kinesiology, History of Physical Education, Sports Psychology, Training Methods, General Knowledge, Sports Medicine and Sports Management in games and sports.

## INFRASTRUCTURE FACILITIES

The Department offers good facilities for the following games: Cricket, Football, Volleyball, Basketball, Tennis, Kabaddi, Hockey, Handball and Kho-Kho. The Department has a good out-door stadium with cinder track, a turf wicket cricket ground, a Physical Fitness Centre and Physiotherapy Lab and computer lab.

## FACULTY

### Professors

**D. Sakthignanavel, Ph.D.**

(Annamalai University, Annamalai Nagar)  
*Specialization:* Physical Education, Exercise Physiology, Training Methods, Sports, Psychology and Yoga.

**P. K. Subramaniam, Ph.D.**

(Pondicherry University, Puducherry)  
*Specialization:* Physical Education, Kinesiology, Yoga and Volleyball.

**D. Sultana, Ph.D.** (Alagappa University, Karaikudi)

*Specialization:* Physical Education, Measurement & Evaluation and Basketball., Research Methodology, Exercise Physiology and Yoga.

### Associate Professors

**G. Vasanthi, Ph.D.** (Annamalai University)

*Specialization:* Physical Education, Sports Psychology, Test and Measurements, Volleyball and Table Tennis.

**G. Vinod Kumar, Ph.D.,**

(Manonmaniam Sundaranar University, Tirunelveli)  
*Specialization:* Physical Education, Sports Medicine, Biomechanics in sports, Research methods in Physical Education, Anatomy and Physiology, Applied Kinesiology, Sports Psychology and Yoga.

### Reader

**M. Elayaraja, Ph.D.**

(Annamalai University, Annamalai Nager)  
*Specialization:* Physical Education, Sports Training Methods, Exercise and Disease Management and Sports and Multimedia.

### Assistant Professors(Senior Scale)

**K. Tiroumourougane, M.Phil.**

*Specialization:* Physical Education, Exercise Physiology, Cricket and Yoga.

### Assistant Professors

**R. Ram Mohan Singh, Ph.D.** (Bharathidasan University, Tiruchirapalli)

*Specialization:* Physical Education, Sports Psychology, Training Methods and Anatomy & Physiology.

**A. Praveen, Ph.D.** (Tamil Nadu Physical Education and Sports University, Chennai)

*Specialization:* Physical Education, Sports Management, Exercise Physiology & Nutrition and Training Methods.

## CENTRE FOR FOREIGN LANGUAGES

School of Humanities

Launched as an innovative project in June 2009 by the Vice-Chancellor, the Centre for Foreign Languages was started in order to cater to the compelling requirements of the present fast-moving world and its multi-linguistic links. In this era of globalisation and commercial tie-ups, knowing a foreign language is always an asset which gives one the required edge and enhances the job prospects. Apart from the business exchange, there is also a growing need to translate scientific and technical documents, and of course, famous literary works from foreign languages. In the world of music too, there is an urge to understand the wordings of many songs, specially from the Arabic and Latin American side. Films too need to be dubbed often.

### PROGRAMMES OF STUDY

- Add-On Evening Certificate of Proficiency Course (under CBCS, for 2 semesters) in :
  - French
  - German
  - Spanish
  - Italian
  - Russian
  - Japanese
  - Chinese
  - Korean
  - Arabic

### FACULTY

#### Centre Head

**Nalini J. Thampi, Ph.D.**

(CIEFL, Hyderabad)

and Well qualified GUEST FACULTY in each of the aforementioned languages

## ESCANDE CHAIR IN ASIAN CHRISTIAN STUDIES

School of Humanities

This Endowed Chair was established in the year 2004. The main objective of the Chair is to guide researchers on the study of Christianity in relation with other religious, cultural & philosophical thoughts in Asia. The Chair offers Ph.D. and P.G. Diploma programmes in collaboration with the Department of Philosophy.

### PROGRAMMES OF STUDY

- Ph.D. Asian Christian Studies (Full-time & Part-time)
- P.G. Diploma in Asian Christian Studies

### ENTRANCE EXAMINATION

The written examination will comprise of objective type questions and P.G. Diploma will comprise of objective type questions on Christianity

### FACULTY

#### Co-ordinator

**P. A. Sampath Kumar, Ph.D.**

(Strasbourg University, France)

*Specialization:* Christian Scriptures, Biblical languages, Origin and Development of Christianity in the former French colonies in Asia.

#### Additional Faculty

V.C. Thomas, Ph.D.

K. Srinivas, Ph.D.

#### Guest Faculty

Fr. Dominic

Sr. Suzanne



# SCHOOL OF PERFORMING ARTS

Dean: Prof. K.A. GUNASEKARAN  
Department of Performing Arts

Sri Sankaradass Swamigal School of Performing Arts started functioning from 1988-1989. It was renamed as School of Performing Arts from the academic year 2007-08. Ever since its inception, the School of Performing Arts has dedicated itself to excellence in instruction and expansion in its

activities by training students for taking up unique career growth in the field of Theatre, Social Work, Education, T.V and Film. All along, the goal of the School has been to further enhance its reputation by imparting knowledge in all walks of life to the students and make them creative in their endeavor

in the field of Performing Arts. The school itself comprises the Department, namely Department of Performing Arts. The School also offers M.P.A., M.Phil, PGDTA (Add on Evening Course) and Ph.D. Programmes.

# DEPARTMENT OF PERFORMING ARTS

## School of Performing Arts

Department of Performing Arts has been started functioning from the academic year 1988-1989 and it offers Regular M.A., Drama & Theatre Arts and Integrated M.A., - Ph.D., in Drama and Theatre Arts and PGDTA – Post Graduate Diploma in Theatre Arts (Add on Evening Course) and Regular Ph.D. Programmes.

### PROGRAMMES OF STUDY

**M. A. Drama and Theatre Arts**  
**Integrated M.P.A. - Ph.D. Performing Arts**  
**Ph.D. Drama and Theatre Arts**  
 Full- Time & Part-Time (Internal & External)  
**PG Diploma Theatre Arts (Add on Course)**

### ENTRANCE EXAMINATION

#### M.P.A. Drama and Theatre Arts:

For the M.P.A programme, the candidate must be a graduate in any subject with marks prescribed by the Pondicherry University. The entrance examination is in the format of answering 100 objective type questions in Undergraduate level. (Refer to M.P.A. Drama & Theatre Arts Model Question Bank in Pondicherry University website)

#### Ph.D. Drama and Theatre Arts:

The candidate possesses a master degree in Drama and Theatre Arts/ Performing Arts/ Fine Arts/ Visual Art/ Music/ Dance/ Electronic media/ Literature or related disciplines with marks prescribed by Pondicherry University. The entrance examination is in the format of answering 100 objective type questions from the Drama and Theatre Arts / Performance studies and related subject in Post - Graduate level. M.P.A (Drama and Theatre Arts) (Refer to M.Phil & Ph.D. Drama & Theatre Arts Model Question Bank in our Pondicherry University website).

### FACILITIES AVAILABLE AT THE SCHOOL

The Department of Performing Arts has created infrastructure in terms of providing Departmental Library exclusively meant for books on Performing and Fine Arts, Computer with Internet facilities. In addition, the Department of Performing Arts has its own Three Studio- Theatres. Sri Sankaradass Swamigal Lab is designed for the Stage Rehearsals and Performance, fully equipped with Audio-Video systems, Pammal Sambandha Mudaliar Lab for Technical Design classes and Multimedia Productions and T.K.S Brothers Lab for Movement, Voice and Scenic Design classes and Seminar Purpose. Apart from these there is an Open-Air Theatre and a Roof top theatre for multiple purpose usages. There are separate facilities available for Film Screenings and Film Appreciation courses, conducting Theatre-Workshops, organising Seminars and Special Lectures by eminent scholars from various fields as part of the programs of Performing Arts.

### CAREER PROSPECTS

Upon the completion of the course, the student can work in the avenues like Schools and Colleges as the Drama Teachers and Cultural Co ordiantors / Trainers. They can get the job opportunities in the Government Departments like Song and Drama Division, South Zone Cultural Centre, AIDS Project Cell, Social Awareness Projects, N.G.O's, and Departments of National and International universities and Colleges, Theatre Reportaries and also in the field of Acting, Direction and Technical Designer in the Government and Private Satellite T.V. Channels and Film Media and their Production Companies. The students can also pursue his research or practice independently in the field of Performance and related subjects. Throughout the years, the School has established a national reputation as a center where young people successfully attain talents and skills for careers in theatre and theatre related Arts, live and documented productions, advertisement and motion picture in relation to the requirements of the cultural Institutions/Organisations.

### THRUST AREAS OF THE DEPARTMENT

- Methodologies in Acting, Direction and Technical Designs
- Contemporary movements in performance and its relevance
- Performance as the medium for developing the culture in society
- Importance of Theatre in Education and community development
- The significance of new methodologies in performance practices
- Providing probabilities to do cross cultural cultural performance and Media practices
- History of Tamil Theatre studies through Ancient Tamil Literature, Inscription and Sculpture
- Discovery of theatrical aspects as depicted in Sangam Literature
- Configuration of Modern Theatre Arts from Traditional Arts

### AIMS & OBJECTIVES

The School /Dept aims at developing the best practice and research under the 'Performance Tradition' of the world; the School provides training in the fundamental principles of understanding the performance traditions internationally with different modes of presentations, various techniques, styles and systems employed in the form of creative communications as part of the syllabus.

It also intends to provide more insights on Cultural Heritage of India, by guiding and grading to make the students to realize that they are the inheritors of the glorious past cultural history of India. Since the Art of Theatre is a product of Scientific and

Artistic creation, the courses are structured in such a way so as to impart the students a clear Interdisciplinary approach, encompassing all aspects of human life and also to explore all the possibilities of performance and translate the same through the Stage and other medium.

It also provides a platform to the students to more about the glorious history of the Performing Arts and other related disciplines in order to enhance the creative skills like Acting, Direction, Theatre Techniques and Design, Applied Theatre, Community Theatre and inter-disciplinary productions.

## FACULTY

### Professors

**K. A. Gunasekaran, Ph.D.**, Madurai Kamaraj University, Madurai

*Specialization:* Folk Theatre, (Folk Arts, Literature), Music in Theatre, Modern Play Writing, Direction, Tamil Art and Literature

**R. Raju, Ph.D.**,

(Tamil University, Tanjore)

*Specialization:* Stage Craft, Film Acting, Theatre Architecture, Direction and Yoga.

### Associate Professor

**V. Arumugham, Ph.D.**

(Pondicherry University, Puducherry)

*Specialization:* Modern Choreography, Direction, Props and Vertical Theatre, Eunuch Theatre, Acting, Theru-K-Koothu, Play Writing and Script Writing

### Assistant Professors

**K. R. Rajaravivarma, Ph.D.** (University of Madras, Chennai)

*Specialization:* Actor Training, Movement and Choreography, Theatre Therapy, Theatrical Martial Arts and Folk Theatre.

**Prabhath Bhaskaran, M.P.A.**

(University of Hyderabad, Hyderabad)

*Specialization:* Actor Training and Theatre Making, Direction and Cross Cultural Theatre, Asian Traditional Theatre and Aesthetic of Modern Performance.

**Saravanan Velu, Ph.D.** (Tamil University, Tanjore)

*Specialization:* Children Theatre, Theatre and Education, Play Writing and Creative Writing Exclusively for Children

**M. Subbiah, M.Phil. (TPS), M.Phil.(S)**

(M.K.University, Madurai)

*Specialization:* Film and Television Media, Development Communication, Media Management, Media Mix, Writing for Media, IEC/BCC/IPC, Folkloristics, Theatre for Social Change and Acting.

### Instructors

**P. Murugavel, M.Phil.**

(Pondicherry University, Puducherry)

*Specialization:* Classical Music, Folk Music, Music for Theatre, Dalit Theatre and Costume Design.

**L. V. Nagabhushana Rao, M.P.A.**

(University of Hyderabad, Hyderabad)

*Specialization:* Set Design, Stage Craft, Mask Making, Property Design, Stage Management and Community Theatre.

# SCHOOL OF SOCIAL SCIENCES AND INTERNATIONAL STUDIES

Dean: Prof. N. K. JHA

Department of Anthropology

Department of Sociology

Department of Social Work

Department of History

Department of Politics and International Studies

Centre for European Studies

UNESCO Madanjeet Singh Institute of South Asia Regional Cooperation (UMISARC) & Centre for South Asian Studies

Centre for Womens' Studies

Centre for Study of Social Exclusion and Inclusive Policy

The programmes offered are highly innovative and challenging. With students drawn from different parts of India, as also abroad the school provides

an excellent academic curriculum that has enabled the alumini to get positions in the

emerging labour markets of emerging countries, including the US and Europe.

# DEPARTMENT OF ANTHROPOLOGY

School of Social Sciences and International Studies

The Department of Anthropology provides facilities for intensive training and research in the areas of Social Cultural Anthropology, Medical Anthropology and Visual Anthropology. The Department aims to train candidates who are oriented towards advanced research and training related to scheduled castes, scheduled tribes and rural studies and urban populations.

## PROGRAMMES OF STUDY

**M.A. Anthropology**

**Ph.D. Anthropology**

The programmes offered are highly innovative and challenging. With students drawn from different parts of India, the Department provides an excellent academic curriculum that has enabled the students to get positions in the emerging labour market.

## ENTRANCE EXAMINATION

**M.A.:** The entrance examinations will consist of objective type questions relating to the general understanding of Indian society and culture.

**Ph.D.:** The entrance examinations for admission to Ph.D. programme will be at the level of M.A in the following areas: Social Anthropology, Cultural Anthropology, Physical Anthropology, Pre-Historic Anthropology, Economic Anthropology, Medical Anthropology, Nutrition and Health, Women's Studies, Political Anthropology Visual Anthropology Tribal Folklore and Social Change. The entrance examination will consist of objective type questions for 100 marks.

## SPECIAL GRANTS

Major research projects were received from University Grants Commission, Indian Council of Medical Research, and Ministry of Social Justice Empowerment etc.

## INFRASTRUCTURE FACILITIES

The Department has good computer facilities with free internet access for the students and scholars. There are separate laboratories for Cultural Anthropology and Physical Anthropology.

## EMPLOYMENT ORIENTATION

Students of the Departments find placement in Anthropological Survey of India, Social and Tribal Welfare departments and Non-Governmental Organizations (NGO).

## FACULTY

### Professors

**T. Subramanyam Naidu, Ph.D.** (Mysore University, Mysore)

*Specialization:* Cultural Anthropology, Tribal Studies, Nutrition and Health studies, Endangered Human Populations, Forecasting and Assessment studies.

**A. Chellaperumal, Ph.D.** (Madras University, Chennai)

*Specialization:* Socio-Cultural Anthropology, Anthropology of Religion, Tribal Folklore, Ethnopoetics.

### Assistant Professors

**Jesurathnam Devarapalli, Ph.D.**

(Andhra University, Andhra Pradesh)

*Specialization:* Socio-cultural Anthropology, Ecological Anthropology.

**Valerie Dkhar, Ph.D.** (NEHU, Shillong)

*Specialization:* Cultural Anthropology, Ecological Anthropology, and Tribal Development.

**Ajeet Jaiswal, Ph.D.**, (Delhi University, Delhi)

*Specialization:* Physical/ Biological Anthropology, Archeology, Demography, forensic Anthropology and Nutritional Anthropology.

**Rajesh Gururaj Kundargi, Ph.D.** (Karnatak University, Dharward)

*Specialization:* Social-Cultural Anthropology, Medical Anthropology, Cognitive Anthropology, Reproductive Health, Anthropological Demography, gender Studies.

## DEPARTMENT OF SOCIOLOGY

School of Social Sciences and International Studies

The Department of Sociology was established in January 1993. The students were admitted to M.A and Ph.D programmes from 1993-94 academic year and the M.Phil programme was introduced from 1996-97. The Post-Graduate Diploma in Rural Development was launched from 2009-2010. In the span of over one 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 and data analysis skills through rigorous training. The research areas undertaken by students and faculty members cover 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, etc.

The Department equips students for a variety of careers including but not limited to: 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)  
**Dual Degree: M.A. Sociology and Master of Social Work**  
 Ph.D. Sociology  
 P.G. Diploma in Rural Development

### ENTRANCE EXAMINATION

**M.A.:** The entrance examination for M.A. will consist of objective type questions for 100 marks covering the following six units - Undergraduate Sociology, General Knowledge, Reasoning Ability, Quantitative Aptitude, English Vocabulary and Comprehension.

**M.A. (Five Year Integrated Course)** The entrance examination for Five Year Integrated Course will consist of objective type questions for 100 marks covering +2 syllabus in Sociology and general awareness.

**Ph.D.:** The entrance examination for Ph.D. will consist of 100 objective questions on general sociology, sociological theories, Indian society and research methodology at the P.G. level.

### FACILITIES

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

### FACULTY

#### Professor

**Bibhuti Bhusan Mohanty, Ph.D.**

(Sambalpur University, Sambalpur)

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

#### Associate Professor

**G. Ramathiratham, Ph.D.** (University of Poona, Pune)

*Specialization:* Sociological Theories, Rural and Urban Sociology, Industrial Sociology, Sociology of Banking.

#### Reader

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

*Specialization:* Sociology of Religion and Sociology of Social Movements.

#### Assistant Professors

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

*Specialization:* Gender Studies, Social Network and Migration Studies.

**Pradeep Kumar Parida, Ph.D.**

(Utkal University, Bhubaneswar)

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

**Mansy .M, Ph.D.** (University of Kerala, Thiruvanthapuram)

*Specialization:* Migration Studies, Public Health and Development Sociology.

**Intirenla Longkumer, M.Phil.**

(Jawaharlal Nehru University, New Delhi)

*Specialization:* Gender Studies, Material Culture Studies and Sociology of Religion.

# DEPARTMENT OF SOCIAL WORK

School of Social Sciences and International Studies

Established in October 2007, the Department's vision is to become a leading institution for innovative, interdisciplinary approaches in educating social work practitioners and scholars, conducting research, and serving as a catalyst for positive social transformation.

## PROGRAMMES OF STUDY

**Master of Social Work (MSW)**

**Ph.D.** (Social Work)

Full- Time & Part-Time (Internal & External)

**P.G. Diploma** in Industrial Relations and Labour Laws (Add-On)

## ENTRANCE EXAMINATION

Admission to the MSW will be based on an All India entrance examination conducted by the University followed by Group Discussion and Interview. The question paper for MSW programme shall consist of multiple choice questions for 100 marks in the areas of Social Work – undergraduate level (20 questions), general knowledge (20 questions), reasoning ability (15 questions), high school arithmetic (15 questions), English language vocabulary (20 questions) and English language comprehension (10 questions). The question paper for Ph.D. programme shall also consist of multiple choice questions for 100 marks drawn from various fields of social work.

## THRUST AREAS OF RESEARCH AND TEACHING

Community Development, Mental Health, Families and Children, Disability Studies, Disaster Management, Elderly Care, Gender Studies, World of Work

## ACADEMIC PERSPECTIVE

The MSW programme offers specializations in Community Development, Human Resource Management and Medical & Psychiatric Social Work. Apart from classroom teaching, the MSW students shall undergo concurrent and block fieldwork in various government and nongovernment organizations, industries and hospitals. This practical training enables the students to acquire professional social work skills, values and ethics.

## MANDATORY FIELD ORIENTATION

■ The I MSW students will be oriented to the social work profession soon after their admission. Duration of the programme shall be ten days. Attendance in the orientation programme is compulsory.

■ The MSW programme includes concurrent and block fieldwork, rural camp, study tour, extension work as part of the curriculum which is compulsory for all the students. The students have to bear the expenses of the above mentioned field activities.

## PLACEMENT

Social Work graduates have wide scope in various sectors – Development, Government, Public Sector, Health, Corporate, and National and International funding agencies. Our students are employed in leading organizations such as BHEL, TCS, Ford, Prime Ministers Rural Development Fellowship Scheme, HCL, ICDS, JIPMER, Bengaluru International Airport – to name a few.

## FACULTY

### Professors

**Srilatha Juvva, Ph.D.** (National Institute of Mental Health and Neuro Sciences, Bengaluru)

*Specialization:* Mental Health, Disability Social Work, Psychosocial Care in Disasters, Counselling and Therapeutic Interventions with Individuals, Groups and Families, Spirituality and Social Work

### Assistant Professors

**R. Nalini, Ph.D.** (University of Delhi, New Delhi)

*Specialization:* Gender and Work, CSR, Occupational Social Work, EAP, Research, Social Work and the Work Place.

### Reader

**A. Shahin Sultana, Ph.D.** (University of Madras, Chennai)

*Specialization:* Social Work with families and children, Early childhood care and development, Social case work, Counselling, School social work, Social work research, Women and youth welfare.

### Assistant Professors

**K. Anbu, Ph.D.** (Bharathiar University, Coimbatore)

*Specialization:* Human Resource Management, Industrial Social Work and Community Development.

**C. Satheesh Kumar, Ph.D.** (University of Madras, Chennai)

*Specialization:* Community Development, Human Dimensions in Coastal Zone Management.

**P. B. Shankar Narayan, M.Phil.**

(Madurai Kamaraj University, Madurai)

*Specialization:* Personnel Management, Industrial Relations, Labour Welfare.

**Iftekhar Alam, MSW** (Aligarh Muslim University, Aligarh)

*Specialization:* Community Development and Human Resource Management Social Work

# 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 in 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

### M.A. History (2 years):

The selection is based on an Entrance Test of 2 hours duration at the graduate level. The question paper consists of 100 objective type questions, testing the students' comprehensive understanding of the ancient, medieval and modern periods of Indian History.

### M.A. History (5 year Integrated):

The selection is based on an Entrance Test of 2 hours duration at +2 level. The question paper consists of 100 objective type questions, of which 20 questions are from English and General Knowledge and 80 questions are distributed among World History, Indian History and Indian Constitution.

### Ph.D. History (Full-Time):

For the Ph.D. programme, the questions will be of the P.G. level, testing the candidate's ability for historical analysis and critical study and in-depth understanding of Historiography, History of India and Indian Archaeology,

## INFRASTRUCTURE FACILITIES

The Department has been inducted under the University Grants Commission's Special Assistance Programme (UGC-SAP) and has an ongoing research on Socio-Cultural Change in South India through the ages. The Department is equipped with Smart Class Room facility for ICT integrated teaching. It has all the sophisticated equipment such as LCD projectors, public address systems, etc., for effective teaching. State-of-the-art survey and excavation equipment are used in archaeological, archival and historical data collection, analysis and report writing.

## STUDY TOUR

Field based archaeological studies and field trips to archives and sites of historical importance are organized to enable students to have first hand information of our heritage.

## FACULTY

### Professors

#### Venkata Raghotham, Ph.D.

(University of Hawaii, Honolulu)

*Specialization:* Medieval History, Historiography, Medieval History of South India.

#### K. Rajan, Ph.D. (Mysore University, Mysore)

*Specialization:* Archaeology of South India, Field Archaeology, Early historic Archaeology and Indian Epigraphy.

#### G. Chandhrika, Ph.D.

(Annamalai University, Annamalai Nagar)

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

### Associate Professors

#### K. Venugopal Reddy, Ph.D.

(Jawaharlal Nehru University, New Delhi)

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

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

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

### Assistant Professors

#### Mohammed Mustafa, Ph.D.

(University of Hyderabad, Hyderabad)

*Specialization:* Modern Economic, Social, Cultural and Environmental History and Indian National Movement

#### Paokholal Haokip, Ph.D.

(Jawaharlal Nehru University, New Delhi)

*Specialization:* Modern History, Modern African Studies, Diaspora Studies



# DEPARTMENT OF POLITICS AND INTERNATIONAL STUDIES

School of Social Sciences and International Studies

The salient features of the Department include:

- 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 and South-East Asian studies in particular.
- Exchange programmes with prestigious foreign and Indian universities.
- Policy input to the makers of India's foreign and security policies as well as the theoretical understanding of International Relations.
- Publication of Scholarly Journals on International Studies & South Asian Studies.
- Publication of Scholarly Books on the Thrust Areas of teaching and research programmes in the Department.

## PROGRAMMES OF STUDY

M.A. Politics & International Relations  
 M.A. Political Science (Five Year Integrated)  
 Ph.D. Politics & International Studies (Full-time & Part-time (Internal & External))  
 P.G. Diploma in Human Rights

## ENTRANCE EXAMINATION

For M.A. in Politics and International Relations, the question paper will consist of objective type questions in the areas of contemporary International Relations, Indian History, Politics, and Foreign & Security Policy of India, General Knowledge and General English.

For M.A. in Political Science (Five Year Integrated), the question paper will consist of objective type questions of Plus Two level in the areas of Social Sciences, Humanities, General Knowledge and General English.

For Ph.D. programme, the question paper will consist of objective type questions in the areas of International Relations, Indian Political System including Indian Constitution, Indian Foreign Policy, Indian Politics, Indian Economy, Current Affairs of National and International Importance, Research Methodology and General English.

## 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 cooperation international finance and Peace and Conflict Resolution.

## INFRASTRUCTURE FACILITIES

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

## FACULTY

### Professors

**P. Moorthy, Ph.D. , (Head)**

(Jawaharlal Nehru University, New Delhi)  
*Specialization:* Peace and Disarmament Studies, Science and Technology, Nation Building and Human Resources Management.

**N.K. Jha Ph.D.** (Jawaharlal Nehru University, New Delhi)

*Specialization:* India's Foreign Policy and Politics, South Asia in International Politics, International relations Theory.

**D. Sambandhan, Ph.D.** (Gokhale Institute, Pune)

*Specialization:* International Finance, Exchange Rate Economics, Structural Economic Reforms.

**Mohanan Bhaskaran Pillai, Ph.D.**

(University of Kerala, Trivandrum)

*Specialization:* India's Foreign Policy, South Asian Studies, Political Theory, Development Studies.

**B. Krishnamurthy, Ph.D.**

(M.S. University of Baroda, Baroda)

*Specialization:* European Integration, Indo – French Relations, and Human Rights.

**P. Lazarus Samraj, Ph.D.**

(Annamalai University, Chidambaram)

*Specialization:* Indo-U.S. Relations, Terrorism, Indian Politics.

### Assistant Professor

**G. Rose, M. Phil.**

(Jawaharlal Nehru University, New Delhi)

*Specialization:* International Organisation, Theories of International Relations, India's Foreign Policy.

**Dr. N.K.Kumaresan Raja, Ph. D.**

(University of Madras)

*Specialization:* Political Theory and Theories of Organisation & Management, International Political Economy encompassing Land Administration, Public Policy and Governance, Bureaucracy, Land Tenure Systems and Agrarian Studies, Social Exclusion and Inclusive Policy

**Dr. Pramod Kumar Ph. D.**

(Jawaharlal Nehru University)

*Specialization:* Central Asian and Russian Studies, Democracy and Human Rights, Theories of International Relations, Decentralization and Federalism, Energy Security and sustainable development

# CENTRE FOR EUROPEAN STUDIES

School of Social Sciences and International Studies

The Centre for European Studies was established in 2012 by the University Grants Commission under its Area Studies Programme. Faculty positions and financial assistance is offered to support its academic activities.

The Centre intends to offer a couple of soft core courses in European Studies and Human Rights to the post-graduate and five-year integrated course students of other Schools and Departments and to launch Ph.D. Programme in European Studies from the academic year 2013-14.

The Centre has launched the publication of its Working Paper Series and so far brought out two papers. This will be an annual feature.

The Centre intends to develop a Documentation Centre to preserve certain indispensable source materials on European Studies and India-EU relations for the students and research scholars.

## PROGRAMMES OF STUDY

Ph.D. in European Studies

## ENTRANCE EXAMINATION

For Ph.D programme, the question paper will consist of objective type questions in the areas of Contemporary International and European Union affairs, European Affairs, Political Systems, Economy, History and Foreign Policy of Major European Countries.

## THRUST AREAS OF TEACHING AND RESEARCH

Major area of teaching and research of the Centre will be European Union in general, with special reference to major countries like France, Germany and the United Kingdom. Within that framework, the following themes will be concentrated:

- European Foreign and Security Policy
- Interregional and Regional Cooperation – Europe and Asia (with special reference to India and China)
- European Economy and Business
- Environment and Development
- Conflict Transformation Studies

## OBJECTIVE OF THE CENTRE

- To promote holistic understanding of Europe with its cultural, social and economic moorings and strategic specificities.
- To create a hub of activities on European Studies
- To pursue theory and policy oriented studies and research.

## VISION OF THE CENTRE

- To blossom into a Centre of Excellence for European Studies in India
- To provide platform for interdisciplinary teaching and research
- To develop network with Centres for European Studies in India and in Europe
- To enhance the visibility of the EU in India

## INFRASTRUCTURE FACILITIES

The Centre has good infrastructure facilities including LCD and other teaching aids to assist teachers and students in their pursuit of academic excellence.

## FACULTY

**Dr. B. Krishnamurthy**  
Director

# UNESCO MADANJEET SINGH INSTITUTE OF SOUTH ASIA REGIONAL COOPERATION (UMISARC) & CENTRE FOR SOUTH ASIAN STUDIES

School of Social Sciences and International Studies

The University launched Post Graduate Programme (M.A) in South Asian Studies in the Centre for South Asian Studies for the first time in the country during the Academic year 2008-2009 under the XI plan. Since 2008, the South Asia Foundation (SAF) has been supporting the Centre with 16 Madanjeet Singh Group (MSG) Scholarships to students (two from each SAARC country-one male, one female) to pursue this course. The teaching and research in South Asian Studies at Pondicherry University received major fillip with the signing of MoU between Pondicherry University and the SAF on June 20, 2009 for the establishment of the Madanjeet Singh Institute of South Asia Regional Cooperation (MISARC). In the year 2010, the UN Educational Scientific and Cultural Organization (UNESCO) agreed to associate with all the institutions of excellence established by SAF including MISARC of Pondicherry University. Hence, it has been now renamed as UMISARC (U stands for UNESCO). The Institute has thus become truly global.

The Prime Minister of India, Dr. Monmohan Singh, inaugurated and dedicated the Institute on 29 June 2012 for promotion of peace and co-operation among the SAARC countries. The course curriculum of Post Graduate Programme in South Asian Studies has been designed to provide cutting edge knowledge of South Asian history, society, culture, economy, governance, politics etc., from an interdisciplinary perspective. Students are expected not only to develop broad knowledge base to critically understand contentious issues concerning South Asia, but also offer a holistic perspective to address them and contribute towards promoting peace and cooperation in the region. Along with the publication of an International Journal of South Asian Studies, the Institute provides a broad platform for academic research and discourse on various issues pertaining to regional cooperation and peace building in South Asia. In addition to the MA programme, the Institute also offers Ph.D programme.

## PROGRAMMES OF STUDY

M. A. South Asian Studies  
Ph.D. South Asian Studies

## ENTRANCE EXAMINATION

For M.A in South Asian Studies, the question paper will have objective type questions with multiple choices in the areas of contemporary South Asian society, culture, politics, economy and foreign policy. For Ph.D programme, the question paper will consist of objective type questions in the areas of contemporary international and South Asian affairs, political systems, economy, history and foreign policy of South Asian countries and research methodology.

## THE THRUST AREAS OF TEACHING AND RESEARCH

Political Ideas, International Relations Theory, Contemporary International Relations, Government and Politics in South Asia, Foreign Policy of South Asian Countries, South Asian Regional Cooperation, Peace and Security in South Asia, South Asia in World Affairs as well as Economic Development, Society, Culture and History of South Asia.

## THE SALIENT FEATURE AND OBJECTIVES OF THE INSTITUTE INCLUDE

- Offering of at least 16 fully paid MSG scholarships, including travel, boarding, lodging and tuition fees, to South Asian students including Indian students based on gender equity.

- Merit - cum - Means scholarships for eligible students.
- Subject to availability of funds, offering a number of visiting research fellowships to Ph. D students from SARRC countries for field work.
- Collaboration and exchange programmes with prestigious foreign and Indian universities.
- Interactions with distinguished Indian and foreign scholars through seminars, conferences, workshops, refresher courses, and lecture series.
- A leading library specializing in South Asian Studies as well as cultural subjects of arts and literature.
- Creating a hub of scholars that specialize in South Asian Studies in SAARC and other regions of the world.
- Promoting international cultural convergence of talented writers, musicians, dancers and other art practitioners.
- Policy inputs to the policy makers of South Asian countries in general and India in particular for promoting peace, regional cooperation and development.

## INFRASTRUCTURE FACILITIES

The Institute has good infra-structure facilities including computer lab (27 Systems) with internet connections, LCD projectors etc., to support teachers and students in their pursuit of academic excellence. The Institute is housed in a centrally air-conditioned grand UMISARC building with fully furnished and well equipped class rooms, auditorium and seminar hall with state - of - the art audio-visual facilities. The Institute has developed a separate library for teachers, researchers and students, who can access facilities available at this library along with the Central Library.

## FACULTY

### Professor

**Mohanan Bhaskaran Pillai, Ph.D.** (University of Kerala)  
Specialization: South Asian Studies, IR Theory, Political Economy, Research Methodology and Development Studies

### Reader

**A. Subramanyam Raju, Ph.D.** (University of Hyderabad)  
Specialization: South Asian Politics and Security Issues, Maritime and Energy Security Issues, India-US Relations.

### Assistant Professors

**Santhosh Mathew, M. Phil.,**  
(Mahathma Gandhi University, Kottayam)  
Specialization: International Organizations, Political Economy, Comparative Politics.

**S. I. Humayun, Ph.D.** (University of Madras)  
Specialization: Non-Traditional Security Issues in South Asia, Maritime Security Affairs.

**D. Purushothaman, Ph.D.** (Pondicherry University)  
Specialization: Indo-US Relations, Security Issues in South Asia.

## SOUTHERN ASIA STUDIES PROGRAMME

School of Social Sciences and International Studies

Sanctioned under the Area Studies Programme of the University Grants Commission in June 2005, this unit functions in collaboration with the Department of Politics and International Studies of the Pondicherry University. The Programme is headed by the Director, who is assisted by a Post-Doctoral Research Associate. SASP focuses on academic activities and research related to Southern Asia including South Asia, South East Asia, East Asia and the South West Pacific regions. In formulating and coordinating its programmes, the SASP is guided by an inter-disciplinary Advisory Committee, chaired by the Vice Chancellor of the University.

### PROGRAMMES OF STUDY

**Ph. D in Southern Asia Studies**

### ENTRANCE EXAMINATION

The question paper will consist of objective type questions in the areas of Contemporary International affairs, research methodology and political system, economy, history and foreign policy of India and a few important countries of Southern Asian region.

### INFRASTRUCTURE

Southern Asia Studies Programme is currently located in School of Social Sciences and International Studies building.

It has necessary infrastructure for carrying out research activities. A separate section has been allocated for Southern Asia in Central and School libraries for researchers working in this field.

### FACULTY

Professor and Director  
**Nalini Kant Jha, M. Phil, Ph. D**  
(Jawaharlal Nehru University, New Delhi)  
Specialization: International Relations Theory, Southern Asian Studies, Indian Politics and Foreign Policy.

Note: A Post-Doctoral Research Associate will be appointed soon. The center is expecting several faculty positions during the 12th plan.

## CENTRE FOR WOMEN'S STUDIES

School of Social Sciences and International Studies

Established in July 1999, the Centre offers Ph.D. in Women's Studies. The overall approach to Women's Studies in this Centre is multidisciplinary. The prime aim of the Centre is the creation of a critical awareness and sensitivity towards women's issues in every field. Both male and female students are admitted. A holistic approach to gender studies is envisaged. It encourages women's academic development and empowerment, the major objective being women's empowerment, the marking out and the definition of a female space.

### PROGRAMMES OF STUDY

**M.Phil. Women's Studies (Full-time)**  
**PhD Women's Studies (Full-time & Part-time (Internal & External))**  
**Proposed to offer a Two year P.G. Degree course from the Academic year 2013-14**

### THE THRUST AREAS RESEARCH

- Generating awareness towards women's issues
- Gender sensitivity
- Women's empowerment
- Expression of the women's voice
- Socio-cultural factors and marginalization,
- Legal rights of /for women
- Restructuring women's role in history
- Critical analysis of stereotyping

## INFRASTRUCTURE FACILITIES

Computers, Overhead projector, Colour television, VCR, Slide projector, Audio system, LCD projector.

## FACULTY

### Associate Professor

**Usha V. T., Ph.D.** (University of Kerala, Trivandrum)

*Specialization:* Feminist theories, Women's discourse, Indian women's writing and Representation of women in the media, Gender studies.

### Assistant Professor

**Ms Aashita**

*Specialization:* Feminist theory, Feminism in the Third world, Gender Studies

# CENTRE FOR STUDY OF SOCIAL EXCLUSION AND INCLUSIVE POLICIES

School of Social Sciences and International Studies

The Centre for Study of Social Exclusion and Inclusive Policy is an interdisciplinary centre providing facilities for intensive training and research in the area of social exclusion and inclusive policy. The centre orients students for advanced research on the processes of social exclusion and possibilities of inclusive policy for the Scheduled Castes, Scheduled Tribes, Other Backward Classes, Women, Linguistic and Religious Minorities, groups stigmatized for health reasons and other marginalized groups. The coursework and research in this interdisciplinary centre incorporates both theory and methodology of anthropology, sociology, social work and economics.

## PROGRAMMES OF STUDY

**Ph.D.** Social Exclusion and Inclusive Policy

## ENTRANCE EXAMINATION

The entrance examinations for admission to Ph.D. Programme will be at the level of Post Graduate in the following areas: Anthropology, Sociology, Social Work Home Science, and Economics with special attention to qualitative and quantitative research methods and concepts related to social exclusion and inclusive policy. The entrance examination will consist of objective type questions for 100 marks.

## INFRASTRUCTURE FACILITIES

The Centre has good computer facilities with free internet access for students and scholars.

## EMPLOYMENT ORIENTATION

Students will find placements in Social and Tribal Welfare Departments, Policy Research Institutes, Non-Governmental Organizations, and all Academic Institutions.

## FACULTY

### Professor

**T. Subramanyam Naidu, Ph.D.**

(Mysore University, Mysore)

*Specialization:* Anthropology, Nutrition and Health Studies, Tribal Ethnography, Sustainable Development, Endangered Human Populations, Scheduled Caste and Scheduled Tribal Studies, Forecasting and Assessment Studies, Rural Development.

### Assistant Professor

**Thanuja Mummidi, Ph.D.** (University of Madras, Chennai)

*Specialization:* Anthropology – Livelihoods & well-being with specific reference to Scheduled Castes and Scheduled Tribes; interface between Ecological & Economic Anthropology.

**Esthara Krishna Rao, Ph.D.**

(University of Hyderabad, Hyderabad)

*Specialization:* Economics- Agrarian studies, land reforms, labour, poverty, social and economic problems of Scheduled Castes & marginalized groups.

**A. Chidambaram, MSW, M.Phil.**

(Bharathiar University, Coimbatore)

*Specialization:* Social Work – Community Development; Disability & Education; Reproductive Child Health.

# SCHOOL OF EDUCATION

Dean: Prof. M. S. Lalithamma

The School of Education was established in 2007 with a nucleus of Department of Education initially offering Master course in Education. It has expanded its functioning after the appointment of the full fledged faculty in 2009. In addition to M.Ed. programme which is approved by the SRC, NCTE, Bengaluru, the School offers Ph.D. and other programmes.

With its competent faculty, the School offers various programmes. The Masters in Education provides opportunities for the capacity building of future teacher educators. The specialisation areas include Educational Technology, Teacher Education, Economics of Education, Educational Planning and Administration, Value Education Environmental Education and Guidance and Counselling. The Ph.D. programme is offered in areas of Education and allied disciplines promoting educational research from interdisciplinary perspective. The faculty members have wide teaching and research experience, published many research papers and books. They have also been referees in national and international journals and are members in the National and Regional Committees.

## PROGRAMMES OF STUDY

**M.Ed.** Master of Education

**Integrated M.Ed. - Ph.D.** Education

**Ph.D.** Education

(Full time and Part-time Internal and external)

**P.G. Diploma** in Teaching Skills

**Diploma** in Preschool Education (under Popularising Preprimary Education Project of the University – PPERA).

## ENTRANCE EXAMINATION

For **M.Ed.** programme, candidates are selected on the basis of merit through All India Entrance Examination. The Question paper will consist of 100 objective type questions based on syllabus generally offered for undergraduate course in Education (B.Ed.).

For **Ph.D.** programme, the question paper will consist of 100 objective type questions on core foundations papers in Education and Research Methodology and Statistics generally offered in any M.Ed. programme.

**P.G. Diploma in Teaching Skills** is an Add-on course offered in the evening for two semesters for any graduate to develop competencies in teaching among working teachers, research scholars and students of higher education.

**Diploma** in Preschool Education is offered to women candidates who have passed at least +2 in order to promote preprimary education and women entrepreneurship in Popularising Preprimary Education in Rural Areas. Admissions are based on an entrance test and interview.

## INFRASTRUCTURE FACILITIES

School of Education has a modest Multi-Media Laboratory equipped with latest gadgets, internet and LAN connectivity, Educational software, data analysis software. Classrooms are equipped with DLP Projector, home theatre, Visualiser & interactive white board which are used by both students and teachers during curriculum transaction. The School has a psychology laboratory having more than 400 psychological tests and materials available for teaching, research and extension activities of different courses and programmes.

There are more than 4000 books related to Education and allied disciplines with 2600 titles available in the central library. More than 10 Journals – National and International in addition to e-journals are available including ERIC full text.

## RESEARCH & EXTENSION ACTIVITIES

Faculty members are working on projects funded from UGC, DST, ICSSR, NCERT, SSA and other national institutes. All most of them are recognised supervisors for guiding Ph.D. candidates. At present there are 21 Full-time Research scholars out of which 9 are JRFs receiving fellowship from UGC, Rajiv Gandhi National Fellowship, NCERT Fellowship and others are offered University scholarship. In addition, there are 9 part-time in-service Ph.D. Candidates. As an outreach programme, the School of Education is engaged in promoting and Popularising Preprimary Education in Rural Areas (PPERA) through its own Preprimary School and preprimary teacher training programme for talented women under PPERA of Pondicherry University.

## SPECIAL ASSISTANCE PROGRAMME (SAP)

School of Education has obtained fresh induction under Special Assistance Programme (DRS-I) of UGC, New Delhi for five years from 2011.

## PLACEMENTS OF OUR ALUMNI

In 2012 Batch 11 students have cleared NET Examination and three are eligible for JRF of UGC making the total of 34 since the inception of M.Ed programme. They have all been placed in DIET's, Colleges of Teacher Education, Teacher Training Institutes and schools. Some of them have enrolled for full-time / part-time Ph.D. in Education.

Some of the fulltime Research Scholars of the School are recipients of NCERT Research Fellowship and Rajiv Gandhi National Fellowship for pursuing Ph.D in Education.

Forty students have become B.Ed college lecturers; One Assistant Professor; Two DIET lecturer; One Health Assistant in Primary Health Centre and Six got through TET Examination and become Government School Teachers.

## FACULTY

### Professor

**M. S. Lalithamma, Ph.D.** (M.S. University of Baroda)

*Specialization:* Research Methodology & Statistics in Education, Psychology of Education, Measurement & Evaluation, Teaching & Teacher Effectiveness; Elementary Education, Microteaching & Teacher education.

### Associate Professors

**Mumtaz Begum, Ph.D.** (University of Madras)

*Specialization:* ELT Vocational Education, Special Education, Distance Education, Higher Education, Women Education & Teacher Education, Neurolinguistics and Blended learning.

### Readers

**M. Balamurugan, Ph.D.** (Annamalai University)

*Specialization:* Mathematics Education, Educational Planning and Administration, Teacher Education, Educational Psychology, Value Education, Bio-Psychology & Statistics in Education.

**K. Chellamani, Ph.D.** (Alagappa University)

*Specialization:* Research Methodology, Cognitive Science, Reflective practices, Psycholinguistics, Neuro-linguistics, Portfolio Writing, English Language Teaching and Teacher Education

### Assistant Professors

**Sreekala.E, Ph.D.**

(Regional Institute of Education, Mysore)

*Specialization:* Sociology of Education, Special Education, Higher Education, School Education, Social Psychology and Blended Learning Methodologies.

**Vijayakumar. R, M.Phil.,**

*Specialization:* Philosophy of Education, Research Methodology, Multi-Media Technology of Education, Teacher Education, Environmental Education, Educational Technology & Guidance and Counselling.

**Amruth G Kumar, Ph.D.** (M. G. University)

*Specialization:* Information Skills, Economics of Education, ICT in Education, Psychology of Education, Critical pedagogy.

## CENTRE FOR ADULT AND CONTINUING EDUCATION

Established in 1989, the Centre offers Ph.D. in Adult and Continuing Education (Inter Disciplinary). The centre is an interdisciplinary one which provides facilities for intensive training and overall approach to extension and field outreach activities. The prime aim of the centre is to create critical awareness towards literacy, population education, extension programmes, youth development, social problems and societal issues. A holistic approach to outreach studies is envisaged.

### PROGRAMMES OF STUDY

**Ph.D.** Adult and Continuing Education -Inter Disciplinary [Full-time & Part-time].

### ENTRANCE EXAMINATION

The entrance examinations for admission to Ph.D Programmes, the question paper will consists of objective type of questions in the areas of General Knowledge, General English, Research Methods and Statistics.

### THE THRUST AREAS RESEARCH

- Extension, Field Outreach and Community Development
- Continuing Education
- Non-Formal Education
- Societal Issues and Social Problems
- Youth Development

### INFRASTRUCTURE FACILITIES

Computer, Overhead Projector, Colour television, DVP, LCD Projector, Free Internet Access.

### FACULTY

#### Associate Professor

**K. Devan, Ph.D.** (Pondicherry University, Puducherry)

*Specialization:* Anthropology, Youth Services, Social Problems, Extension and Field Outreach Activities, Societal Issues and Community Development.

# SCHOOL OF MEDICAL SCIENCES

Dean (i/c): Dr. S. MAHADEVAN

The University at present does not offer any programme directly by the School of Medical Sciences. However, the university has entered into MOU with the following three independent affiliated Medical Colleges having associated Hospital/Research Centers, and located at different geographical areas within Pondicherry.

Pondicherry Institute of Medical Sciences,  
Sri Manakula Vinayagar Medical College and Hospital  
Sri Venkateswara Medical College and Research Center

These institutions are headed by respective Directors/ Principals. The School of Medical Sciences is headed by the Dean while the administrative functions of the School with these various institutions are executed through the University Academic Section and the University Co-ordinator.

Each Medical Institution offers the regular MBBS graduate medical program that is recognized by the Medical Council of India, and has a yearly intake of 100/150 students, as per state regulations and categorizations. In addition, these institutions will offer the following five M.Sc. Programmes in Basic Clinical Sciences, each of 3 years duration, under the administrative control of the School of Medical Sciences and was started in the academic year 2011-12:

## PROGRAMMES OF STUDY

M.Sc. Medical Anatomy  
M.Sc. Medical Physiology  
M.Sc. Medical Pharmacology  
M.Sc. Medical Biochemistry  
M.Sc. Medical Microbiology

## ENTRANCE EXAMINATION

The admission process for the courses will be conducted at the Pondicherry University campus. Information on admission schedule and vacancy position will be posted on the University website during the admission period. Candidates will be selected to each program based on their entrance score and category subject to availability of seat. The fee for each M.Sc program will be rupees 1,27,775 per annum for graduates from Indian Universities.

These programs are approved by the University in conformity with UGC regulations. Each of these programs will have an intake of 6 students. Admission to these programs will be on the basis of an entrance exam conducted by the University.

## INFRASTRUCTURAL FACILITIES

The M.Sc programs will be conducted in the partnering institutions, where classrooms and laboratory facilities for these programs are well established. The Teaching faculty for these various programs are from the Medical fraternity of these institutions. Following completion of each program, the degree certificate shall be issued to each student by the Pondicherry University at the Convocation.

## UNIVERSITY CO-ORDINATOR

**K. SRIKUMAR, Ph.D.**

Head, Dept. of Biochemistry & Molecular Biology,  
Pondicherry University.



# SCHOOL OF MEDIA & COMMUNICATION

Dean : Pradeep Krishnatray

School of Media and Communication comprises - Department of Electronic Media and Mass Communication, and Department of Library and Information Sciences

Department of Electronic Media and Mass Communication  
Department of Library and Information Sciences.

# DEPARTMENT OF ELECTRONIC MEDIA AND MASS COMMUNICATION

School of Media & Communication

Established in 2007, the Department today offers two courses: M. A in Mass Communication, and M. Sc. In Electronic Media. The major objective of the Department is to train students in the spheres of journalism, television production, radio production, advertising, public relations, film studies, digital media and photography. Our aim is to nurture cutting edge media professionals with effective communication and critical thinking skills. We work towards preparing young minds with a strong foundation in values and principles, who proactively intervene in the development of a just and humane society.

## PROGRAMMES OF STUDY

**M.A.,and Ph.D. in Mass Communication**  
**M.Sc.,and Ph.D. in Electronic Media**

## ENTRANCE EXAMINATION

Masters' Degree Courses

The test covers areas like general aptitude, media and society, media and communication, electronic and new media, numerical ability, General knowledge, language and grammar, logical reasoning and computer applications.

Ph.D

JRF students get direct admission to the doctoral programmes of mass communication and electronic media. All others desirous of seeking admission into any of the two programmes will have to appear for an entrance test. The test covers knowledge of English language, logic, mathematics and subjects taught as part of mass communication and electronic media courses respectively.

## ACTIVITIES

### The Inquirer – print edition

The Department brings out a students practice journal titled 'The Inquirer', available online at its own website and in the Publications section at <http://www.pondiuni.edu.in/content/students-journals-inquirer/>

### The Inquirer - web journalism and media production

The department has its website to provide a platform for the multimedia production by the students of MA Mass Communication at <http://www.puinquirer.edu.in/>

### Radio Production

Students also produce programmes for Pudukkottai, a FM Community Radio station of Pondicherry University.

### Television Production

Students produce documentaries and short duration video programmes. They engage with socially relevant media projects such as 'Communication of the Rights of the Differently Abled'.

### Photo Journalism

The students are offered intensive training in photo journalism and are encouraged to organize exhibitions and present their work to the community.

### Guest Lectures and Workshops

Enrichment lectures by national and international media

professionals, and face-to-face and virtual workshops by media practitioners are organised on a regular basis.

## CAMPBUZZ – CAMPUS NEWS BULLETIN

The students are encouraged to participate in the video documenting of all major events and programmes of the University such as seminars, workshops, conferences and cultural events. The students publish University Campus News Bulletin called Campbuzz, which is also uploaded in YouTube channel at PUCAMPBUZZ.

## PEDAGOGY

The courses lay equal emphasis on theoretical and practical learning including:

## INTERNSHIP

Each student undergoes internship for not less than four weeks in a media organization during summer vacation between second and third semesters. After completion, each student submits a report on the experience she/he gained during the internship. The training they get from media houses is particularly helpful in orienting students to the requirements of the industry.

## MEDIA PRODUCTION

The convergence of media requires students to be exposed to the application of a variety of media through a single platform. The students do media production in the first semester which includes Lab Journal Production, photo journalism and reporting, writing and editing for print media. They further engage with radio production, television production, web journalism, reporting, writing and editing for electronic media and other courses in the four semesters. Each student participates to create content through any of the following media: print journalism, web journalism, photojournalism, radio, television, film, animation, E-Learning and graphic design.

## EMPLOYMENT ORIENTATION

Students get placements in news organizations, advertising agencies, public relations firms, communication websites, television and film industry, centres for media research, non-governmental organizations, and academic institutions.

## PLACEMENT

It brings pride to the department to declare that the students have been placed in various media organisations.

## ONGOING PROJECTS

2 UGC approved major projects, one major and one minor. In addition, the department is working on profiling the media habits of college students of colleges in Puducherry.

## SPECIAL EVENTS

The 2nd International Documentary Film Festival was organized by the Department in December 2012 in association with Films Division and Tamil Nadu Progressive Writers and Artists Association (TNPWAA)

A week long Asian Women's Festival in March 2011 was organized in partnership with the International Association of Women in Radio and Television (IAWRT) India Chapter including Film Screenings, Seminars and Training Workshops in the field of Broadcast Journalism, Television Production, Public Service Advertising and Documentary Film Making.

Two photo exhibitions 'Hope' and 'Work' were organized in October –November 2011 in which first year M. A. Mass Communication students' photographs were showcased. More than 1000 people visited 'Work' exhibition held at Ashram Exhibition House, Beach road.

A national seminar on 'Media Education - Coping with Technology, Culture & Society' was organized in collaboration with ACT TNP from December 2011.

## INFRASTRUCTURE

The department has well equipped media labs and studios with the most recent equipment to train students on designing, audio and video editing software including Quark Xpress and Adobe CS5 Master Collection. The equipment includes broadcast quality audio and video equipment and professional digital SLR cameras. Classrooms are furnished with AC as well as teaching aids such as LCD projector and DTH connection which enable the students to keep themselves up-to-date with current affairs 24x7. The following are the key facilities and supporting equipment available in the Department:

### A) VIDEO PRODUCTION STUDIO

The Department's video studio has the most recent of sophisticated equipment for video production Processes. These include a Sony XD Cam, Sony D55 Professional video camera, a Sony PD170 Video Camera and a Panasonic 102B, NV MD 10000 & NVG330 digital video camera and Digital SLR Nikon D90 and Canon Power shot for Photo journalism. It has three state of the art video mixers for multi-camera production that includes a Sony Anycast station, a Panasonic AGMX70 Digital Mixer and Data video switcher SE 800. Additionally the studio has Canara Cool lights, an External Chroma Key and character generator, a Camera control unit, a Teleprompter, Yamaha O1V96 digital audio mixer & a Mackie 12 channel audio mixer and a Sony DVCAM recorder.

### B) MULTIMEDIA LAB

The Multimedia lab has 35 high end computer systems. The lab also has the latest versions of supporting software that include 3DStudio Max; Maya, Adobe CS4 Master Collection, Quark Express 8, Avid Media Composer, Final Cut pro, Adobe Flash Professional CS3, Photoshop CS3, Director, Dream weaver CS3, Premiere Pro CS3; Ulead Video studio 11 and Sound Forge 9, Cool Edit pro . A separate edit suite with Avid Mojo SD, Mac Pro with FCP & DPS velocity HD work station for video editing is also available.

### C) COMMUNITY RADIO STATION – PUDUVAI VAANI FM 107.8 MHZ

PuduvaiVaani is a recently established FM Radio facility on the University campus. It is a Community Radio Station (CRS) that works on FM 107.8 MHz, covering an area of 20 km radius from the University campus. This station broadcasts programmes in both Tamil and English languages. It is also planning to launch the radio tutor for functional Hindi. Media students undergo training in the production of radio programmes that includes writing of radio scripts, voice modulation and live broadcasting over an FM radio channel. The station is a "first of its kind" among CRS with 2 suites for radio production and one suite for transmission & live broadcast.

### D) VIDEO ARCHIVES

The Department maintains a video archives on various activities happening in the University. These include the annual convocation ceremony, film festivals, the inauguration of various departments, seminars, workshops and other art and cultural events on the university campus.

The Department produces quality educational programmes and generates e-content materials in various fields and subjects. A separate web server has been established to house all these productions of the University. Public and students can browse: [www.pucul.edu.in](http://www.pucul.edu.in) for utilizing the resources.

### E) AUDIO RESOURCES

The FM Community Radio Station has produced more than 500 hours of audio / radio content which are suitable for broadcast through any radio stations on varieties of themes from health, education to entertainment. Fresh recording of music and lectures have been done to generate copyright products from this centre since 2008.

## FACULTY

### Professor

#### Pradeep Krishnatray, PhD

Specialization: New Media, Health Communication, Marketing Communication

### Associate Professor

#### S. Arulselvan, Ph.D.

Specialization: Communication Research, E-Content, Journalism (Print & Web), ICT applications for Education, Media Management, Media Content Development.

## Reader

### D. Nivedhitha, Ph.D.

*Specialization:* Television Production, Film Production, Gender Studies, Film appreciation, Film Criticism, Screenplay writing, Film making (Fiction and non fiction), Cosmetology, Carnatic Music, Film acting, Advertising and Documentary production, Anthroposemiotics, Film Semiotics.

## Assistant Professors

### A. Muthamil, M.Sc., M.Phil.

(Electronic Media, Anna University, Chennai).

*Specialization:* Television Production, Videography, Editing, Film Studies.

### V. Santhi Siri., M.F.A, Ph.D.,

*Specialization:* Visual Arts, Graphic design, Animation, Radio production.

### T. Balasaravanan. M.A, Ph.D. (Pondicherry University)

*Specialization:* Lighting Design, Postproduction, Film making, Performing Arts.

### M. Shuaib Mohamed Haneef, Ph.D.,

*Specialization:* Journalism (Print & Web), online journalism-Citizen Journalism, New Media Research/ ICT – Development, E- Learning, Social Media tools & Learning, Games & Narratives.

### Radhika Khanna, M.A.,

*Specialization:* Anthroposemiotics, Communication for Social Change, Documentary Media (Photography, Radio, T.V. & Film) Production, Film Studies, Journalism, Public Relations & Corporate Communication, Theatre-in-Education.

### Samarjit Kachari, M.A.,

*Specialization:* Development Communication, Radio production, Reporting & Editing, Communication Theories, Public Relations, International Communication.

## Adjunct Faculty

### Gopinath S., M.Phil.

*Specialization:* Photojournalism, Design (Print and web), Journalism.

## Guest Faculty

### Nicolas Joffroy

(D.E.S.S. Universite Marseille Provence III, France)

*Specialization:* Advertising, Photography, Visualization and Storyboarding.

## EMMRC - EDUCATIONAL MULTI MEDIA RESEARCH CENTRE

### School of Media & Communication

Realizing the potential of the use of Electronic Media in Education and to address the needs of Higher Education in our country, the University Grants Commission (UGC) established a Consortium for Educational Communication (CEC) to set up Educational MultiMedia Research Centres (Media Centres) at various Universities to produce e-content and television educational programme software for Higher Educational Television Channel, Vyas and Web.

Pondicherry University Media Centre is 20th such Educational MultiMedia Research Centre (EMMRC) established in Puducherry. Staff Recruitment, Equipment purchase and Acoustics for new state of art studios are under process. Padmasree Prof. J.A.K. Tareen, former Vice-Chancellor and Prof. A. Balasubramanian, former Director, Culture & Cultural Relations initiated the process of establishing a Media Centre (EMMRC) at Pondicherry University, Puducherry. Prof. Pradeep Krishnatray, Dean, School of Media & Communication is currently holding charge of EMMRC

## MULTI-MEDIA PRODUCTION CENTRE

The Multi-media Production Centre was established during the academic year of 2007-2008 and was inaugurated by Prof. Sukhadeo Thorat, former Chairman, University Grants Commission on 29th March 2008. The Centre is a self-sufficient autonomous production centre with all the state of art video production facilities.

The Multimedia Production Centre is actively engaged in the production of educational video documentaries, animation films, E-lectures, Distance Education Programmes, Academic Staff College Programmes and documentation of important academic events of the University. The Centre also produced 60 documentaries, 3 animation films and 7 E-lectures on diverse topics. Beside, the centre has produced visual documentary for the University Anthem and a documentary on “Pondicherry University –An ultimate destination”.

Some of the award winning documentaries of the centre are

## 20TH UGC-CEC EDUCATIONAL VIDEO COMPETITION (2009-10)

1. The salves of the Lamp- Best Cinematography and Best Scripting
2. Pranthanam-Kirti-Pravannu”(Save heritages for posterity)-Best Animation

## 21ST UGC-CEC EDUCATIONAL VIDEO COMPETITION (2010-11)

1. The True Survivor(Horseshoe Crab)-Best Programme of the year  
Producer: Mr.J.A. Sanjeev kumar, Pondicherry University
2. The True Survivor(Horseshoe Crab)-Best Script  
Script writer: Dr. Jayanth Mishra, Pondicherry University
3. Silk the Queen of Fiber-best Camera work  
Cameraman: Mr.G.Sivakumar, Pondicherry University
4. French Fragrance at Puducherry Best Editing  
Editor: Mr. S. Balamurugan, Pondicherry University, Cash Prize: Rs.25, 000/-

5. The Tree- Best Programme for Animation  
Animation: Ms.M. Manamathi, Pondicherry University  
Cash Prize: Rs.50, 000/-

## **DOCUMENTARIES PARTICIPATED IN FILM FESTIVALS**

### **“Prakriti Film festival 2008”, Pondicherry University**

1. Gingee Fort  
“Prakriti Film festival 2010”, Jodhpur

1. The Brides of Aaravan
2. The salves of the Lamp
3. The Killer dust

### **“Prakriti Film festival 2011”, Tripura**

1. Margadarsi Siddama
2. The Modern Muni

### **“Prakriti Film festival 2012”, Mysore**

1. The Night Warriors
2. Ariyalur Rocks
3. Probiotics ‘A Value of Biotech’
4. The Art of Bronze

### **“Rashtriya Vigyan Chalchitra Mela 2013”, Kolkata**

1. The Night Warriors
2. The Rain water Harvesting

## **PRODUCTION TEAM**

1. Mr. A. Sanjeev Kumar, M.A. – Producer
2. Mr. S. Balamurugan, M.Sc. - Production Assistant
3. Mr. M. Iyyanar, M.Sc. D.F.Tech - Technical Assistant
4. Ms. M. Manamathi, M.B.A. PGDAM - Graphic Assistant
5. Mr G. Siva Kumar, D.T.C - Cameraman
6. Mr. D. Durai Vijayan, DEE - Shooting Assistant
7. Mr. M. Umesan. I.T.I - Media Technician
8. Mr. V. Meenakshi Sundaram, I.T.I, ADCHM - Media Technician

# DEPARTMENT OF LIBRARY & INFORMATION SCIENCES

School of Media & Communication

The Department of Library and Information Science was started during the academic year 2007-08. The Department offers a professional Master's Degree programme (MLIS) and a Ph.D. Degree Programme in Library and Information Science. In addition, an Add on Course – Post Graduate Diploma in Library Automation and Networking (PGDLAN) is also offered in the evenings. MLIS course duration is two years and comprises four semesters. Candidates who have passed any Bachelors Degree examination from a recognized university under 10+2+3 system and who have secured at least 50% marks in aggregate in Part III (main subjects) are eligible to apply for seeking admission to this course. In case of candidates belonging to SC/ST category, relaxation in the percentage of marks shall be given as per the University Guidelines issued from time to time.

## PROGRAMMES OF STUDY

### M.L.I.S.

(Master of Library & Information Science)  
(Full-time- two years)

**Ph.D.** (Library & Information Science)

### PGDLAN

(Post Graduate Diploma in Library Automation and Networking) (Evening – one year)

## ENTRANCE EXAMINATION

### M.L.I.S.

Candidates seeking admission to the programme shall be required to appear for a 2-hour written examination conducted by the University during the last week of May or first week of June or on the date announced by the University. The written examination shall consist of 100 objective type questions to test mental ability, aptitude and general knowledge of the candidate consisting of questions from current topics of general interest, books, authors, libraries, information resources, reading habits and other related areas.

### Ph.D.

The admission to Ph.D. programme is based on the vacancies available with the eligible Guides and the field of specialisation in which a scholar intends to pursue research. The desirous candidates are required to take an entrance examination conducted by the University for Ph.D. admission. The written examination consists of 100 objective type questions based on BLIS and MLIS curriculum. A few questions from current affairs, language skills, etc. will also be included in the paper. For more information visit our university website at: <http://www.pondiuni.edu.in/admissions/eligibility.htm>

### PGDLAN

No entrance examination but any graduate with the qualification prescribed by the University would be eligible to apply.

## Ph.D.

The Ph.D. programme was started during the academic year 2010 – 2011 through different streams viz. Full-time, Part-time (Internal & External).

## MAJOR OBJECTIVES

- To demonstrate the scholars' competence to carry out independent and original academic research in the field of Library and Information Science.
- To produce graduates with advanced capabilities in librarianship in order to meet the challenges in the changing environment;
- To develop within each candidate the expertise and skills necessary to be an effective educator, researcher, faculty member, practitioner, etc.;
- To encourage creativity, analytical thinking, critical analysis, and innovative problem-solving techniques for the problems and constraints faced by the library professionals in the present age; and
- To disseminate the results of their research in a standard peer-reviewed academic publications.

## MASTER'S DEGREE IN LIBRARY AND INFORMATION SCIENCE (M.L.I.S.)

The MLIS, a two-year programme of 72 credits, is divided into four semesters including Internship and a project in the final semester.

## MAJOR OBJECTIVES

- To familiarize students with basic concepts of information and its communication in society;
- To learn advanced information processing techniques and develop capability in retrieving information by applying different search techniques;
- To acquaint students with the activities and services of different information systems and introduce them packaging and consolidation techniques;
- To introduce different methods and techniques of research;
- To identify and learn the major issues in the development of new technology in the libraries;
- To develop skills in using computer and communication technology; and
- To introduce modern tools and techniques to students to manage Libraries and Information Centres effectively.

## Post Graduate Diploma in Library Automation and Networking (PGDLAN) – Add-on Course

The PGDLAN programme was launched during the academic year 2009 – 2010. The programme is of 20 credits and comprises Two Semesters. The classes are conducted in the evenings only between 5.30 p.m. and 7.30 p.m.

### MAJOR OBJECTIVES

- To imbibe knowledge and skills associated with ICT applications in Libraries and Information Centres;
- To understand the basic requirements of library automation and services provided by the libraries in an automated environment;
- To practically learn and well versed with the various activities of house-keeping operations with the help of 'KOHA', an open source software.
- To acquaint themselves with the components of an information system and learn about how to design and develop an information system;
- To acquire knowledge and skills on networking and Internet technology;
- To develop skills with special reference to the information resources available on the Internet;
- To acquire web-based content development skills;
- To practically learn and well versed with the Digital Library open source software 'DSpace' and 'GSDL'; and
- To develop confidence in handling any kind of activities/ services in an automated library or information centre.

### INFRASTRUCTURE FACILITIES

The physical and academic infrastructure comprises well equipped class rooms with LCD Projectors and Public Address System, Computer Lab with internet facility and required hardware and software for teaching-learning, Wi-Fi facility in campus, access to e-books, e-journals and institutional repositories, subscription to national and international journals and magazines, latest books on library and information science, separate hostels on campus for girls and boys, etc. The Department also organizes several events like study tour, guest lectures by eminent academics from India and abroad, workshops, etc.

### PLACEMENT OPPORTUNITIES

M.L.I.S. programme is a professional degree. There is a great demand for the library professionals in the job market. M.L.I.S. postgraduates get placed as Librarians, Information Scientists, Knowledge Managers, Cataloguers, Indexers, Information Analysts, Reference Services Specialists, Technical Editors, Consultants, etc. in traditional libraries & information centres and corporate sectors also. Those who qualify UGC-NET or SLET examination can enter academics as an Assistant Professor or Assistant Librarian of a University or Librarian of a College. Those who qualify UGC-JRF can pursue research in the field of Library & Information Science with UGC fellowship. An added qualification of PGDLAN would place the student at a higher advantage in the job arena with knowledge of automation and networking. Our recruiters include LIS Schools, all kinds of libraries and information centres, corporate companies like Tata Consultancy Services, etc.

## PROGRAMME STRUCTURE OF M.L.I.S.

The curriculum structure of MLIS programme is given below:

### THEORY

Information Resources, Knowledge Organization, Introduction to Information Technology, Management of Information Centres, Communication Skills & Public Relations (PR), Information Storage & Retrieval, Research Methods, Marketing of Information Products and Services, Knowledge Management, Digital Libraries, and any two optional courses to be chosen from the five subjects: a) Web Technology, b) E-Publishing, c) Informetrics, d) Industrial Information System, and e) Technical Writing.

### PRACTICALS

The practical courses of MLIS programme are: Information Technology: Practice which includes KOHA, WINISIS, LIBSYS, SOUL, GSDL, Dspace and E-prints, Information Processing-I: Classification practice according to DDC, Ed.22, Information Processing – II: Cataloguing practice according to AACR-2, MARC-21, Project and Internship.

### PROJECT AND INTERNSHIP

The students are supposed to complete a project as a part of the programme, and should also undergo an internship for 20 days in a reputed library / information centre during summer vacation between second and third semesters.

### FACULTY

#### Professor

**Chennupati K. Ramaiah, Ph.D.** (Loughborough University).  
*Specialization:* ICT applications in Library & Information Services, Multimedia, Hypertext, CAI, User Interfaces, Human Computer Interaction, Web / E-Publishing, & Archival Informatics

#### Reader

**R.Sevukan, Ph.D.** (Annamalai University)  
*Specialization:* Library Automation, Scientometrics, Academic Library System, Research Methods, Information Seeking Behaviour, ICT Applications in Libraries.

#### Assistant Professors

**Rekha Rani Varghese, Ph.D.** (University of Calicut)  
*Specialization:* IT applications in Libraries, Institutional Repositories, Information Retrieval, User Studies.

**Anas K., Ph.D.** (University of Delhi)  
*Specialization:* E-Learning; Internet Search Engines; E-resources.

**Mangkhollen Singson, M.L.I.S.** (NEHU)  
*Specialization:* Marketing of Information Products, Knowledge Management, E-journals.

**M.Leeladharan, M.Phil.** (Annamalai University)  
*Specialization:* Information Retrieval, ICT applications in Libraries, Knowledge Organization.

# SCHOOL OF ENGINEERING & TECHNOLOGY

Dean (i/c): Dr. V. Prithviraj

Department of Computer Science  
 Department of Electronics Engineering  
 Centre for Pollution Control and Environmental Engineering

Emerging trends in the field of Science and Technology calls for an environmentally sound system of growth and development in the entire planet. This school also maintains the academic units of both the University

and its affiliated engineering colleges where in dozens of UG, PG and Ph.D. programmes are being offered with excellent infrastructure and facilities. There are more new centres to be added to this school of Engineering in the years to

come and National facilities for R&D will be made available for wider participation and collaboration. Industries are always welcome to associate with these units for linkages and placements.



# DEPARTMENT OF COMPUTER SCIENCE

School of Engineering

The Department aims at imparting quality education in Computer Science & Engineering and Information Technology through various post-graduate programmes. It also offers an atmosphere conducive for research scholars for pursuing research in various advanced areas of Computer Science, Engineering and Information Technology.

## PROGRAMMES OF STUDY

**M.Sc.** Computer Science  
**M.Sc.** Computer Science (Karaikal)  
**M.C.A.** – University Main Campus & Karaikal Campus  
**M.Tech.** Computer Science & Engineering  
**M.Tech.** Network & Internet Engineering  
**Ph.D.** Computer Science & Engineering  
(Full-time, Part-time (Internal & External))  
**P.G. Diploma in Computer Applications (Add on)**  
**P.G. Diploma in Simulation and Modelling (Add on)**

## ENTRANCE EXAMINATION

**M.Sc. Computer Science:** The entrance examination is of objective type. The question paper will consist of 20 questions in general arithmetic and 80 from Data Structures and Algorithms, Digital Logic and Computer Organization, Operating Systems, System Software, microprocessors, SAD, DBMS, Automata, Programming Languages (C & C+) and Recent Trends in Computer Science related domains.

**M.C.A.:** Admission to M.C.A. is based on entrance examination. The entrance examination is of objective type. The question paper will consist of 100 questions from the topics of Comprehension and Verbal Ability, Analytical Ability, Logical Reasoning, Mathematical Aptitude and General awareness in Computer Science related domains.

**M.Tech. Computer Science & Engineering and M.Tech. Network & Internet Engineering:** Admission to M.Tech. is based on the performance in the Entrance Examination. The written Examination consists of 100 objective type questions. Questions will be from the subjects of Data Structures and Algorithms, Computer Architecture, Operating Systems, System Software, Microprocessors, DBMS, Networks, Compilers, Automata, AI, Graphics, Software Engineering, Programming Languages (C, C++ and Java) and Recent Trends in Computer Science related domains.

**Ph.D.:** Admission to Ph.D. is based on the performance in Entrance Examination. The Entrance Examination consists of 100 objective type questions from all the major areas of Computer Science discipline.

## INFRASTRUCTURE FACILITIES

The Department has Five well-equipped computer laboratories namely, General Programming Lab, Central lab, Multimedia Lab, Grid Computing Lab and Project Lab, housing about 210 state of art computer systems with latest configurations, all connected to various servers running Operating Systems like Windows NT, Linux Operating System, Sun Solaris and Mac OS. Grid Computing and Cluster Computing have also been facilitated in the Servers. Intranet facility and Internet facility (32 Mbps link) are also available. An enhanced Multimedia Lab of the Department is equipped with state-of-the art Apple Machines.

## RESEARCH ACTIVITIES

The Department hosts research activities in the following disciplines: Information Security, Object Oriented Systems, Multilingual-Based Systems, Software Engineering, Evolutionary Computing and Distributed Systems.

## STUDENT ACTIVITIES

The Computer Science students' association, PIXEL, provides opportunities to sharpen the skills of students by organizing lectures and students meet. The alumni of the department deliver lectures on latest topics periodically for updating the skill sets of the students.

## PLACEMENT

The Placement activities of the Department are taken care of 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 MNCs like IBM, HCL, Wipro, Infosys, TCS, Verizon, HP, ITC, CTS, Honeywell, iGate, etc.

## FACULTY

### Professors

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

*Specialization:* Algorithms, Robotics.

**P. Dhavachelvan, Ph.D.** (Anna University, Chennai)

*Specialization:* Software Engineering, Web Service Computing.

**G. Aghila, Ph.D.** (Anna University, Chennai)

*Specialization:* Knowledge Representation and Reasoning, Semantic Web Engineering, Ontology Engineering, ChemInformatics.

### Associate Professor

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

*Specialization:* Evolutionary Algorithms, Object Oriented Systems, Bio-Informatics.

### Readers

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

*Specialization:* Information Security, Data Warehousing, Agent Technology.

### Assistant Professors

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

*Specialization:* Operating Systems

**K. Vijayanand, M.C.A.**

(Bharathidasan University, Trichirapalli)

*Specialization:* Natural Language Processing

**S.K.V. Jayakumar, M.E.** (University of Madras, Chennai)

*Specialization:* Web Service & Cloud Computing, Database Management Systems.

**T. Sivakumar, M.Tech.** (Pondicherry University, Puducherry)

*Specialization:* Database Management Systems, Computer Networks.

**R. Sunitha, M.Tech.** (Pondicherry University, Puducherry)

*Specialization:* Software Architecture, Semantic Web Technologies.

**Pothula Sujatha, M.Tech.**

(Pondicherry University, Puducherry)

*Specialization:* Information Retrieval, Data Warehousing.

**K. Suresh Joseph, M.E.** (University of Madras, Chennai)

*Specialization:* Operating Systems

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

*Specialization:* Software Engineering

**K.S. Kuppusamy, M.Sc.**

(Madurai Kamaraj University, Madurai)

*Specialization:* Internet Technologies

**V. Uma, M.Tech.** (Pondicherry University, Puducherry)

*Specialization:* Data Mining

**P. Shanthi Bala, M.Tech.** (Pondicherry University, Puducherry)

*Specialization:* Distributed Computing Systems

**M.Nandhini, M.Phil.** (Alagappa University, Karaikudi)

*Specialization:* Software Engineering

**M.S. Saleem Basha, Ph.D.** (Pondicherry University)

*Specialization:* Web Services, Information Security

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

*Specialization:* Web Services, Software Engineering

**S. Ravi, Ph.D.** (M.S University, Thirunelveli)

*Specialization:* Image Processing, Algorithms, Bio-Metric Systems.

## KARAIKAL CAMPUS

The Department of Computer Science, Karaikal Centre established in the year 2007-08 and offering a PG course on MASTER OF COMPUTER APPLICATIONS (MCA) with the total student intake of 33 per batch. At present the department is having four permanent faculties. The Department aims at imparting quality education in Computer Science. The department provides a captivating atmosphere for the students.

## INFRASTRUCTURE FACILITIES:

The Department has a well-equipped computer laboratory with 50 computers, Local Area Network and Broadband internet connectivity to cater the needs of MCA students.

## STUDENT ACTIVITIES

The Computer Science students' association, PIXEL, provides opportunities to sharpen the skills of students by organizing lectures and students meet. The alumni of the department deliver lectures on latest topics periodically for updating the skill sets of the students.

## PLACEMENT FACILITY

The Placement activities of the Department of Computer Science, Karaikal Centre are taken care of by the Placement Cell of Pondicherry University, Main Campus, which comprises of student members and a faculty coordinator. The Placement Cell organizes Campus recruitment programmes every year and takes pride in facilitating placement for the eligible students in MNCs like IBM, HCL, Wipro, Infosys, TCS, Verizon, HP, ITC, CTS, Honeywell, Patni Computers, iGate, iFlex, etc. The Department has achieved 100 % placement record during the last academic year 2010-11.

## FACULTY

### Reader

**S. Bhuvanewari, Ph.D.**, (Bharathidasan University)

*Specialization:* Computational Intelligence, Artificial Intelligence, Business Intelligence, Information Systems, Knowledge and Application Mining, Hybrid Information Systems, Contemporary Algorithms.

### Assistant Professors

**G. Sureshkumar M.E.**, (Anna University) - *CO-ORDINATOR*

*Specialization:* Information Retrieval.

**K. Vaitheki M.Tech.**, (Pondicherry University)

*Specialization:* Information Security, Software Engineering.

**G. Kumaravelan M.Tech.**, (Bharathidasan University)

*Specialization:* Information Technology, Security Systems.

**R. Lakshmi M.Tech.**, (Pondicherry University)

*Specialization:* Bio-Informatics.

# DEPARTMENT OF ELECTRONICS ENGINEERING

School of Engineering & Technology

The Department of Electronics Engineering has been started in the year 2010-2011 academic year with a motivation to create teaching and research facilities worthy of one of the best Engineering Departments. The University allotted to the Department an initial amount of Rs.100 lakhs for the establishment of necessary Laboratory facilities under XI Plan.

## PROGRAMMES OF STUDY

**M.Tech.** Electronics (Duration: 2 years – Full Time)

**Ph.D.** Electronics Engineering (Full Time)

## ENTRANCE EXAMINATION

**M.Tech.** Electronics

Selection of students is based on the national level entrance examination conducted by the Pondicherry University at various centers in the country. The entrance examination would comprise objective type questions from Engineering Mathematics, Engineering Physics and Electronics & Communication Engineering subjects at graduate level.

**Ph.D.** Electronics Engineering

Admission to Ph.D. is based on the performance in entrance examination. The pattern of entrance examination consists of objective questions from all the major areas of Electronics and Communication Engineering at the level of Post-Graduate degree. The written examination consists of 100 objective type questions.

For further details, explore the research interests and activities of individual faculty.

## INFRASTRUCTURE FACILITIES

The Department has the following equipments and softwares:  
Equipments

- Digital Storage Oscilloscopes 200 MHz & 500 MHz, Channels:4
  - Mixed Signal Oscilloscope Bandwidth 1 GHz
  - Vector Network Analyzer (9 kHz - 3 GHz)
  - Arbitrary Waveform Generators
  - Basic & Advanced Microcontroller based System Design Trainer kits (8 bit & 16 bit)
  - Basic and Advanced Digital Signal Processing Trainer kits
  - Basic and Advanced Analog Communication Trainer kits
  - Basic and Advance Digital Communication Trainer kits
  - Microstrip Antenna Trainer kits
  - Xilinx FPGA trainer kits
- Softwares
- Spice Simulation tools for Electronic Circuits Design (Analog & Digital)
  - CAD/PCB
  - Matlab
  - Xilinx VHDL/Verilog
  - IE3D

## RESEARCH ACTIVITIES

The Department hosts research activities in the following thrust areas: Optical Communication, Wireless Communication, Microwave and millimeter wave Engineering, Antennas, Wireless Networks, Electromagnetics and its Applications and RF MEMS. Department has been identified as a National MEMS Design centre by National Program Materials and Smart Structure (NPMASS).

## PLACEMENT

The Placement activities of the Department are taken care of by a University Placement Cell which comprises of student members and a faculty advisor from each department. To provide ample opportunities to students to get proper placement in industries and companies, the Placement Cell conducts workshops, mock interviews and organizes on-campus selection process with the help of industries. The Placement Cell organizes Campus recruitment programmes every year and Department takes pride to mention that the first batch of students who are going to be graduated in May'2012 are already placed in MNCs like, Honeywell, TCS, HCL and CTS.

## FACULTY

### Co-ordinator

**V. V. Ravi Kanth Kumar, Ph.D.** (S.V. University, Tirupati)

*Specialization:* Photonic Crystal Fibers

### Associate Professor

**R. Nakkeeran, Ph.D.** (Pondicherry University, Puducherry)

*Specialization:* Optical Communication, Wireless Communication, Electromagnetics and its Applications

### Assistant Professors

**P. Samundiswary, Ph.D.** (Pondicherry University, Puducherry)

*Specialization:* Wireless Networks, Wireless Communication, Wireless Security, Computer Networks, Optical Communication, VLSI Technology, Semiconductor Devices and Nano Electronics

**T. Shanmuganatham, Ph.D.** (National Institute of Technology, Tiruchirappalli)

*Specialization:* Antennas, Microwave and millimeter wave Engineering, Microwave Integrated Circuits, MEMS/NEMS, Meta Materials, Computational Electromagnetics, EMI/EMC, RF MEMS, RFIC Design, Soft Computing for RF & Microwave Engineering, Optical Communication, Terahertz Technology.

**K. Anusudha, M.E.** (Anna University, Chennai)

*Specialization:* Digital Signal and Image Processing, Steganography techniques, Digital Watermarking (Image & Video), Forensic Image Analysis

# CENTRE FOR POLLUTION CONTROL & ENVIRONMENTAL ENGINEERING

School of Engineering & Technology

Established in 1991, this centre has developed a vigorous culture of applied environmental research, teaching, and industrial consultancy. Several dynamic PhDs and MTechs, trained in frontier research areas, in India and abroad, contribute to the pool of manpower expertise of the centre; the laboratories/units manned by them provide the momentum for cutting edge R&D that strives to carve fresh niches and open new vistas. The effort has been peer-recognized in the form of major international and national prizes, election to the fellowship of premier academies/professional bodies, and nomination on the editorial boards of prestigious technical journals. The most recent of the honours include the National Design Award in Environmental Engineering (conferred by the Institution of Engineers), nomination on the Board of Governors of IITR and other premier institutions, and a succession of four best paper awards received for pioneering research in eco-friendly process development.

The centre has thus far published over 250 papers in high impact-factor international journals including Critical Reviews in Environmental Science & Technology, Bioresources Technology, Journal of Hazardous Materials, Biochemical Engineering Journal, Environmental Modeling & Software, Applied Energy, Journal of Cleaner Production, Renewable and Sustainable Energy Reviews, Journal of Loss Prevention in Process industries, , Trans IChemE (UK), Trans AIChE (USA), etc. The centre has also been providing expert advice to government departments, industry, and academia across the world.

The Hirsch Index of the centre's publications as per CSI as well as SCOPUS is 25, which is among the highest in the departments dealing with environmental engineering in India. Several of the publications have become citation classics in the fields of chemical and environmental engineering.

The centre's efforts in innovative teaching and curriculum development have also resulted in the creation of 35 popular textbooks and reference books, published by Oxford University Press, Prentice-Hall, Orient Longman, Springer, Elsevier, Academic Press, etc. The quality of teaching has been ranked highly by the students and one of the faculty was recently awarded a certificate of merit on the Teacher's Day.

## PROGRAMMES OF STUDY

**M.Tech.** Environmental Engineering & Management  
**Integrated M.Tech.-Ph.D.** Environmental Engineering & Management  
**Ph.D.** Environmental Technology

These programmes are distinguished by their emphasis on all-round professional advancement of the students and exposure to the real-life problem environment.

Apart from making the students proficient in the concepts, the techniques, and the tools of applied environmental studies, these programmes also aim to develop their communication and managerial skills. As the centre has, at any given time, several major R&D and industrial consultancy projects striving to solve contemporary environmental problems, the students also acquire a very good exposure to the real-life demands of the profession. As a result the students passing out from the centre have risen fast up the career ladder in academia as well as industry, both in India and abroad.

## INFRASTRUCTURAL FACILITIES

The UGC has specially funded a stand-alone building for the centre. AICTE has instituted a Computer-Aided Environmental Management Unit besides providing special assistance for environmental biotechnology facilities. Numerous R&D projects worth Rs.3 Crores have also added substantial laboratory and field equipment to the centre's infrastructure.

The facilities cover: geographical information systems (GIS), environmental monitoring and impact assessment, pollution control (especially with bioprocess engineering), risk assessment, computer aided environmental management, and environmental biotechnology and computational fluid dynamics.

## R&D PROJECTS

The centre has consistently attracted substantial R&D funds from major sponsoring agencies. Currently the centre is operating 5 major projects worth Rs 7 million. These are sponsored by DST, DBT, UGC, CSIR and MoWR.

## PLACEMENTS

### FACULTY POSITIONS:

The Centre's Ph.Ds have been taken in faculty positions by highly ranked institutions such as BITS Pilani, IIT Roorkee, The Memorial University of New Foundland, Canada, M.G. University, Kottayam, etc. The Ph.D.s have also taken up leadership positions in IT and chemical industries.

### INDUSTRIAL POSITIONS:

The Centre's MTech and MPhil holders find immediate employment in industries including CRL, CPCL, and Hindustan Leaver. They have also been preferred by Pollution Control Boards. Several have joined IITs or premier universities in USA/UK for doctoral studies.

## FACULTY

### Professor

**S. A. Abbasi, Ph.D.** (IIT Mumbai) D.Sc. (Cochin University of Science & Technology), FNASc, FIChE, FIE  
*Specialization:* Environmental Engineering, EIA and Risk Assessment

### Assistant Professors

**S. Gajalakshmi, Ph.D.** (Pondicherry University)

*Specialization:* Bioprocess Technology, Environmental Biotechnology, Solid Waste Management.

**S. Sudalai, MTech.** (Pondicherry University)

*Specialization:* Water & Environmental Engineering, Process Safety, Process Modeling & Simulation.

**Tasneem Abbasi, M.S.** (University of Surrey, UK)

*Specialization:* Environmental Engineering.

No Update Yet

# MADANJEET SCHOOL OF GREEN ENERGY TECHNOLOGIES

Dean: Prof. J.A.K. TAREEN

## Centre for Green Energy Technology Centre for Nano Science and Technology

India ranks fifth in the world in terms of primary energy consumption, accounting for about 3.5% of the world commercial energy demand in the year 2003. Despite the overall increase in energy demand, per capita energy consumption in India is still very low compared to other developing countries. India is well-endowed with both exhaustible and renewable energy resources. Coal, oil, and natural gas are the three primary commercial energy sources. Coal was by far the largest source of energy. Despite increasing dependency on commercial fuels, a sizeable quantum of energy requirements (40% of total energy requirement), especially in the rural household sector, is met by non-commercial energy sources,

which include fuel wood, crop residue, and animal waste, including human and draught animal power. However, other forms of commercial energy of a much higher quality and efficiency are steadily replacing the traditional energy resources being consumed in the rural sector. Resource augmentation and growth in energy supply has not kept pace with increasing demand and, therefore, India continues to face serious energy shortages.

Besides Solar, Wind, Biomass, there are quite a few other eco-friendly and renewable sources from which one can tap energy for varied applications. Some of them are stated below.

- Chemical Sources Of Energy
- Hydrogen Energy
- Geothermal Energy
- Alternate Fuels for Surface Transportation

There is a need to carryout in-depth studies and research in Green Science and Technology at higher education level utilizing the expertise available in India and abroad. Developing Green Energy is the only alternative to meet the challenges of our Future. It is under this context, the Madanjeet School of Green Energy Technologies has been established with two composite units as Centre for Green Energy Studies and Research and Centre for Nano Sciences and technology.

# CENTRE FOR GREEN ENERGY TECHNOLOGY

Co-ordinator: Prof. H. Surya Prakash Rao, Dept. of Chemistry.

The Centre for Green Energy Technology (C-GET) was established in 2010 under the aegis of Madanjeet School of Green Energy Technologies with a vision to promote education and research in environmentally clean methods of energy production, conservation and utilization. The centre offers M. Tech. in Green Energy Technology which is partly supported by South Asia Foundation (SAF). The Ministry of New and Renewable Energy has recognized and approved the centre as a Centre of Excellence. Recently, SAF also recognized the centre as Centre of Excellence. The centre also promotes research in the fields of all clean sources of energy production, conversion and utilization like solar photovoltaic, solar thermal, energy storage, fuel cells, bio-fuels, wind energy, ocean energy, chemical energy, applications of nanotechnology for energy conversion, etc. The centre has well trained faculty to teach, offer consultancy and take up research work in many core areas of green energy. The centre is involved in quality assurance testing in all fields of renewable energy. Establishment of MOUs with various alternate energy generating firms specializing in photovoltaic, solar-thermal has taken place. In addition, several MOUs with industries specializing in solar thermal devices and power plant engineering are in pipeline

## PROGRAMMES OF STUDY

**M.Tech.** Green Energy Technology  
**Ph.D.** Green Energy Technology

## ENTRANCE EXAMINATION

**M.Tech.:** Admission of this course is done based on the marks secured in the All India entrance examination conducted by Pondicherry University. The meritorious candidate from the entrance test will be eligible for "SAF-Madanjeet Singh Group Fellowship".  
[www.southasiafoundation.org](http://www.southasiafoundation.org)

The entrance test will have multiple choice questions (100 questions). Out of 100 questions, 20 will be from mathematics and 16 from each of Physics, Chemistry, Materials Science, Engineering and Bio-technology.

**Ph.D.:** Being an interdisciplinary field, the entrance test will have multiple choice questions (100 questions). The questions will be from Green technology, Mathematics, Physics, Chemistry, Biology and Engineering fields.

## THRUST AREAS

The following are the thrust areas of our centre currently focussed.

- Solar Thermal Energy Technology
- Solar Photovoltaic Technology
- Bio-energy Technology
- Energy Material Development
- Energy Conversion and Storage Technology
- Green Combustion Technology

## INFRASTRUCTURE

C-GET establishment is in pipeline with the state of art facilities and infrastructure. Currently, the center possess the following high tech equipments in the laboratory.

- Class AAA 10 x 10 cm<sup>2</sup> Solar Sun simulator with I-V characterization facility.

- Electrochemical workstation with impedance analysis unit for electro-nanofabrication and battery & Supercapacitor characterization
- Optical Pyranometer for solar irradiation measurement and analysis
- BET surface area analyzer
- Microwave Synthesizer
- C-5000 Bomb calorimeter for fuel characterization and analysis
- Spin coating unit
- Electrolysis unit for H<sub>2</sub> and O<sub>2</sub> production
- PEM fuel cell
- Spray deposition system
- Tubular Diffusion furnace
- High-temperature ovens
- Basic Molecular biology and biochemistry facility
- Ultrasonic bath
- -40o C Freezer
- Photoelectrochemical cell.
- Orsat Apparatus
- Solar thermal gadgets

The center is collaborating with the other departments in the University and nearby institutions for a wide accessibility of instrument and facilities.

## M.TECH PROGRAMME

The major subject areas covered in this program include alternate energy sources - generation, distribution, utilization, green nanotechnology, green economics, waste to energy, biofuels etc. The course is aimed to train talented students in the area of renewable and clean energy technology and create scientifically and technologically skilled man power. This is program is designed for two years spread into four semesters. First two semesters are for hard and soft core courses, third semester is entirely for soft-core (optional) courses and final semester is for project. Many soft-core courses are stand alone, so, they can be taken at any time offered by the Department. In addition there will be some bridge courses. Most of the first semester courses will be on energy and modeling. In the second and third semester courses will be based on energy, environment, chemistry, management and other GET related fields. Students will select courses suiting background and

interest. Each theory course will have a project component which will be either individual or group based.

### PH.D., PROGRAMME

CGET offers Ph.D. programme to carry out research and development in the field of Photovoltaics, Energy Materials, Energy Storage, Energy Devices, Fuel Cells, Green Chemistry, Bio Energy, Technology development in the field of Solar Concentrators and other Solar Thermal Devices and Hybrid Clean Energy Systems. Currently, admission to part time (Internal & External) PhD is not entertained in the Centre. Only regular PhD programme is offered.

### RESEARCH PROJECTS ON PIPELINE:

Ministry of New and Renewable Energy (MNRE) and South Asia Foundation (SAF) has been supporting teaching and research activities of the Centre. In addition, individual faculty members have projectors that are supported by DST, CSIR and UGC

### PLACEMENTS

M.Tech. Graduates in Green Technology gain employment in emerging clean and renewable energy sector where national and multinational industries are focusing their business activities on alternate energy production and usage. Centre has created a placement cell to enable students for getting better placement.

## FACULTY

### Associate Professor and Head:

**P. Elumalai, Ph.D.** (IISc, Bangalore)

*Specialization:* Energy Conversion, Storage and Sensors: Lithium-ion batteries, Super capacitors, Fuel cell catalysts and Automotive-Exhausts Sensors.

### Readers

**Periyasamy Thilakan, Ph.D.** (Anna University, Chennai)

*Specialization:* Semiconductor epitaxial growth of nanostructures and devices such as solar cells, LED, LASER, SET, SPE, device processing SPV module, power plant design and installation., Nanomaterials, nanostructures and device processing, MOCVD, MBE, PECVD and Mesoporous TiO<sub>2</sub> super molecular nanocrystallites.

**B. M. Jaffar Ali, Ph.D.** (IISc, Bangalore)

*Specialization:* Biofuels, Biophotonics and Biosensors.

### Assistant Professors:

**R. Arun Prasath, Ph.D.** (Anna University, Chennai)

*Specialization:* Polymeric materials, Hybrid materials, Biomaterials, Green nanomaterials and Sustainable materials for applications that include: solar energy, bio-energy, fuel cells, sensors and sustainable development.

**Prasanth Ravindran, Ph.D.**

(Eindhoven University of Technology, Netherlands)

*Specialization:* Nanophotovoltaics.

**A. Sreekumar, Ph.D.**

(Cochin University of Science and Technology, Kochi)

*Specialization:* Solar thermal energy conversion and energy storage



# CENTRE FOR NANOSCIENCE AND TECHNOLOGY

Co-ordinator: Prof. N. Satyanarayana, Dept. of Physics.

The Centre for Nanoscience and Technology has been established in the year 2010 and it works in synergy with the Centre for Green Energy technology. This Centre offers 2 years M.Tech. (Nanoscience and Technology) and Ph.D. programs. The Centre for Nanoscience and Technology has seven faculty members (one Professor, three Readers and three Assistant Professors) and the centre has started to function with the admission of First year M.Tech. students during the Academic year 2010-2011. All the faculty members possess a high research profile with the ability to conduct research in the forefront areas of Nanoscience and Technology. The Centre is planning to start the Ph.D. and Integrated M.Sc. Ph.D. program during the academic year 2012-13. The research work of faculty members is supported by the various premier National funding agencies such as DST, CSIR, UGC, UGC-DAE, DRDO and AICTE.

## PROGRAMMES OF STUDY

**M.Tech.** Nanoscience and Technology  
**Integrated M.Tech., Ph.D.** Nanoscience and Technology  
**Ph.D.** Nanoscience and Technology

## ENTRANCE EXAMINATION

**M.Tech.:** The selection is based on the entrance test conducted by Pondicherry University and the question paper consists of 100 objective type questions, covering the basic Science (Mathematics/Physics/Chemistry/Materials Science /Biotechnology) at undergraduate level.

**Integrated M.Tech. - Ph.D. :** The selection is based on the entrance examination and interview. The question paper consists of 100 questions, covering the subject areas of Mathematics/Physics/Chemistry/ Biochemistry & Biotechnology at graduate level.

**Ph.D.:** The selection is based on the entrance examination and interview. The question paper consists of 100 questions, covering the subject areas of Mathematics/ Physics/Chemistry/Materials Science and Engineering/ Biotechnology at graduate and post graduate level. The candidates, who are getting fellowships such as JRF/SRF etc. from the national funding agencies, are exempted from taking the written examination.

## INFRASTRUCTURE FACILITIES

The Centre has excellent working culture and facilities to carry out research in forefront areas of Nanoscience and Technology. The University has funded Rs. 4 Crores for the development of infrastructure facilities of the Centre. Research facilities include Nanomaterials Synthesis and characterization, Ultrasonic-Homogenizer, High Speed Centrifuge System, MilliQuest (Millipore) water purifier, E-beam and thermal coating unit, Precision Spin & Dip coater, High Temperature Tubular and Muffle Furnaces, XRD, Electrochemical workstation, LCZ meter, UV-Visible Spectrometer, Spectrofluorimeter, Nanoindenter, Automatic Hydraulic Press and Laboratory for Modeling and Simulation. Additional characterization facilities can also be availed from Central Instrumentation Facility (CIF) at Pondicherry University.

## ONGOING RESEARCH PROJECTS

Faculty research is supported by various funding agencies worth of more than Rs. Three Crores from DST-nano mission, CSIR, UGC, DAE, UGC-DAE, DRDO and AICTE, Govt. of India. An overall of amount more than Rs. 5 Crores has been invested in the development of the Centre.

## FACULTY

### Professor

**N. Satyanarayana, Ph.D.** (Indian Institute of Technology Madras, Chennai)

*Specialization:* Nano-Crystalline and Nano-Composite Electrolyte and Electrode Materials for Batteries, Sensors and Fuel Cells applications, Solid state-ionics.

### Readers

**A. Vadivel Murugan, Ph.D.** (University of Pune & National Chemical Laboratory, NCL Pune)

*Specialization:* Chemistry of Materials, Novel Synthesis, Structure- Properties- Performance Relationship of Nano-structured Functional Materials for Clean Energy Conversion & Storage, Conducting Polymer based Organic-Inorganic Nanohybrids, Flexible Organic Electronics, Dye sensitized and Thin Film Solar Cells, Lithium-ion Batteries, Supercapacitors, Fuel Cells and Nano-biotechnology.

**A. Subramania, Ph.D.** (Central ElectroChemical Research Institute and Alagappa University, Karaikudi)

*Specialization:* One dimensional functional ceramic, polymeric, carbon nanomaterials development and Nanofibrous Polymer Electrolyte membrane by electrospinning technique for Advanced Lithium ion Batteries, Supercapacitors, Solid oxide fuel cells, Dye sensitized solar cells and Sensors, Electrodeposition of Metal and Metal matrix nanocomposite coatings by DC/pulse current techniques for micro/nano devices.

**A. Kasi Viswanath, Ph.D.** (Indian Institute of Technology Madras, Chennai)

*Specialization:* Synthesis of Nanomaterials and characterization. Nanosecond, pico second and femto second laser spectroscopy, quantum confinement, semi conductor nanostructures, conducting polymers, LED materials, Electron paramagnetic resonance.

## Assistant Professors

**K. Suresh Babu, Ph.D.** (Indian Institute of Technology Madras, Chennai)

*Specialization:* Materials for fuel cells, Catalysis and high temperature oxidation protection, Multifunctional nanostructures for imaging & therapy, Ion Beam assisted material processing, Surface Engineering.

**P. Thangadurai, Ph.D.** (University of Madras, Chennai)

*Specialization:* Nanostructures of Semiconducting & Ceramic Oxides, Ionic conductors, High k-materials, Metal ceramic composites, Transmission electron microscopy of bulk & nanostructured materials.

**S. Kannan, Ph.D.** (University of Madras, Chennai)

*Specialization:* Synthesis, Structural Characterization and in vitro evaluation of Biomaterials, Ceramic/metal nanocomposites, Fabrication of scaffolds for tissue engineering applications.

## ADD ON COURSES

(Evening Programmes)

The University is offering 23 PG Diploma programmes providing them add-on options in relevant disciplines. For example, a student of 'Master in Social Work' can now possess an additional P.G. Diploma in Industrial Psychology which will add value to his employability. Similarly any student in Bio-sciences will now have an option to add a P.G. Diploma in Bio-Technology which is currently in great demand.

9 Certificate courses in foreign languages are also being offered to facilitate the global job options of our students. To enable the large number of students from other states studying in the campus, to possess a functional knowledge of Tamil, a specially designed certificate course in Tamil is also being offered.

All the add-on courses are also made open to the local population of Puducherry enhancing their access to higher education.

### ■ Course Coordinator for the PG Diploma Courses

<b>P.G. Diploma Course</b>	<b>Name of the Coordinator</b>
Asian Christian Studies	Dr. P.A. Sampath Kumar
Functional Hindi & Translation	Dr. Padmapriya
Television Production	Dr. S. Arulselvan.
Journalism & Mass Communication	Dr. D. Niveditha
Women's Studies	Dr. V. T. Usha
Library Automation & Networking	Dr. R. Sevukan
Industrial Psychology	Dr. V. Rangaiah
Planning and Evaluation	Dr. P. Muthiyan
Biotechnology	Dr. N. Arumugam
Health Fitness and Life Style Management	Dr. D. Sakthignanavel
Investment Management	Dr. P Natarajan
Rural Development	Dr. B.B.Mohanty
Statistical & Research Methods	Dr. P. Dhanavanthan
Human Rights	Dr. B. Krishnamurthy
Industrial Relations & Labour Law	Dr. R. Nalini
Teaching Skills	Dr. M. Balamurugan
Computer Applications	Shri K. Vijayanand
Simulation and Modelling	Dr. P. Dhavachelvan
Theatre Arts	Shri. Prabhath Bhaskaran
Event Management	Dr. Y. Venkata Rao
Professional Communication in English	Dr. Binu Zachariah
Foreign Trade	Dr. K. Mohan

### ■ Course Coordinator for the Advanced Certificate Course

<b>Advanced Certificate Course</b>	<b>Name of the Coordinator</b>
Advanced Analytical Techniques	Prof. S. Balakrishnan

### Course Coordinator for the Certificate Courses

Course	Name of the Coordinator
Tamil	Dr. M. Jeeva, Associate Professor
Sanskrit	Prof. C. S. Radhakrishnan
French, Japanese, Russian, Korean, Chinese, Spanish, Italian, German	Dr. Nalini J. Thampi

### Admission Requirements

Sl. No.	Name of the Course	Eligibility Criteria for admission
1.	Functional Hindi & Translation	UG/PG degree with a minimum of 45% of marks.
2.	Television Production	
3.	Journalism & Mass Communication	
4.	Women's Studies	
5.	Library Automation & Networking	UG degree with a minimum of 50% of marks.
6.	Asian Christian Studies	Bachelor's degree in any discipline from any University in India or abroad or any Pontifical Institution in India or abroad with a minimum of 50% of marks
7.	Industrial Psychology	UG/PG degree with a minimum of 45% of marks.
8.	Planning and Evaluation	
9.	Health Fitness and Life Style Management	
10.	Investment Management	
11.	Rural Development	
12.	Statistical & Research Methods	
13.	Human Rights	
14.	Industrial Relations & Labour Law	
15.	Teaching Skills	
16.	Theatre Arts	
17.	Event Management	
18.	Professional Communication in English	
19.	Foreign Trade	
20.	Computer Applications	Bachelor's degree with minimum of 45% marks with Computer Science/ Mathematics/ Statistics/ Business Mathematics as one of the subjects of study or an examination accepted as equivalent thereto.
21.	Simulation and Modeling	Any degree with 45% of marks with Mathematics as one of the subjects studied in the Higher Secondary or Degree or during the first three years of 5 years M.Sc. Integrated Courses.
22.	Biotechnology	Degree in any branch of Biological Sciences with a minimum of 45% of marks.
23.	Advanced Analytical Techniques	M.Sc./ B.E./B.Tech. in any subject except Computer Science/ Mathematics/ Statistics, with a minimum of 45% of marks.

#### NOTE:

- For SC/ST candidates, mere pass in the qualifying examination will be sufficient.
- Candidates studying in the fourth year/ fifth year of Five Year Integrated Courses of the University are also eligible to study these courses.

## ■ Eligibility

Sl. No.	Name of the Course	Eligibility Criteria for admission
1	Tamil	A pass in the Higher Secondary Examination or its equivalent.
2	Sanskrit	
3	Japanese	
4	Russian	
5	Korean	
6	Chinese	
7	French	
8	Spanish	
9	Italian	
10	German	
11	Arabic	

### MINIMUM DURATION OF THE COURSE:

Two Semesters (One Year) (for both Diploma & Certificate Courses)

### MAXIMUM DURATION TO COMPLETE THE COURSE:

Four Semesters (Two Years) (for both Diploma & Certificate Courses)

### FEES:

#### FOR INDIAN STUDENTS:

	Admission	Tuition fees	Library	Account Number
For university students & employees:	Rs.200	Rs.1,200 (p.s)	---	
For others:	Rs.500	Rs.2,500 (p.s)	Rs.1000*	861201979

\* Optional for the others who desire to use the university library (for reference only).  
A separate Library Card shall be issued in such cases.

#### FOR FOREIGN STUDENTS:

150 US Dollars per semester.

### EXAMINATION FEES:

Rs.300/- per semester for Diploma courses and  
Rs.250/- per semester for Certificate Courses.

### SELECTION

Admission will be based on the marks secured in the qualifying degree.

### TIMINGS

DIPLOMA :

2 hours a day for five days from 5.30 PM to 7.30 PM

CERTIFICATE :

2 hours a day for four days preferably from 5.30 PM to 7.30 PM

Saturdays and Sundays may be utilized at the discretion of the concerned Department.

### ATTENDANCE

A Minimum of 70% of attendance is required for writing the examination.

### EXAMINATION PATTERN

Examination will be conducted as per CBCS system except that the association of external examiner will not be a mandatory requirement. The evaluation will be on absolute mark Systems. The Passing minimum shall be decided by the respective Board of Studies; however, it will not be less than 40%.

### PROGRAMME COMMITTEE

Each course shall have a coordinator as identified by the department / school conducting the course and there shall be an exclusive programme committee for monitoring the progress of the candidates studying the courses.

## PLACEMENT CELL

- One of the main responsibilities of the Placement Cell is to motivate, train and prepare the students of the University and its affiliated Colleges for campus interviews.
- It plays a very important and key role in counseling and guiding the students of the University and its affiliated Colleges for their successful career placement which is crucial interface for the students between the stages of completion of academic programme of studies and entry into suitable employment.

### Major activities of the Placement Cell:

- Organising On and Off Campus Interviews
- Organising training programmes like Personality Development Programmes, Mock Aptitude Tests, Group Discussion training, Mock Interviews etc.,
- Enabling Industry Institute Interaction
- Co-ordinating Industrial Visits
- Co-ordinating Project Placement for the Students
- Supporting Technical Seminars / Conferences / Workshops organized by various Departments
- Organising Student workshops with major corporate
- Organising faculty development programmes collaborating with companies
- Facilitating Industry Institute Interactions through inviting experts for lectures, members of project and laboratory evaluation panels, members of selection committees etc.,
- Inviting Industries for possible collaborations with Pondicherry University

### Companies visited PU during 2006-2010:

Reserve Bank of India, Cognizant, Accenture, HCL, Wipro, Blue star, Patni Computers, TCS, Infosys, Satyam, HP, GE Health Care, Keane, L&T Infotech, IDBI, HSBC, Standard Chartered, Kotak Securities, Honeywell, Hindustan Zinc, Reliance, ICICI Bank, LVB, Syntel, Polaris, Cox & Kings, Hi Tours, Berger Paints, High Design, Royal Bank of Scotland, Bank of America, IBM, Bharati Airtel, UCO Bank, etc.,.

### RECRUITERS CAN CONTACT:

**S.K.V. Jayakumar, M.E., (Ph.D.)**

Phone: 91-413-2654514 (off), 9489325957 (Mob)

Placement Co-ordinator

Email: skvjey@gmail.com

Placement Cell / Student Services Centre

Pondicherry Central University

R.V. Nagar, Kalapet

Puducherry - 605014

# DIRECTORATE OF PHYSICAL EDUCATION AND SPORTS

## ABOUT SPORTS ACTIVITIES IN PONDICHERRY UNIVERSITY

This Central University is growing in the field of sports and games and extends facilities to students and staff members. All the sports activities are conducted under the supervision of the University Sports Board with Vice Chancellor as Chairperson. The Directorate of Physical Education and Sports has been organizing various sports and games activities every year for the students of Pondicherry University and Affiliated Colleges including All India Inter-University Tournaments. Every day the Students and Staff members can use all the facilities available in the campus.

## SPORTS ACTIVITIES

- To organize South Zone and All India Inter-University Tournaments in the recognized Games and Sports.
- University player's participation in the All India and South Zone Inter-Universities Tournament organized by various University in all over India, affiliated to Association of Indian University, New Delhi.
- Inter-collegiate and inter zone competitions for affiliated colleges separately for men and women.
- Inter-Departmental Tournaments (UNISPOFEST),
- Padma Shri Prof. J.A.K. Tareen Rolling Trophy
- Workshop/Seminar/Coaching camps/National Sports day/ Fitness programs, Aerobics, Karate etc.

## AIMS AND OBJECTIVES OF THE DIRECTORATE OF SPORTS

- To develop sportsmanship and healthy competitions among students.
- To encourage healthy lifestyle through participation in sports.
- To develop skills and techniques in a range of sporting activities.
- To develop understanding through sport.
- Promoting sport as a bearer of cultural identity and for the total personality
- Encouraging the broadest possible participation in sports

## SPORTS FACILITIES IN THE CAMPUS

All the play fields are facilitated with sitting galleries

- Rajiv Gandhi Cricket Stadium .
- Sports Complex, Thiruvalluvar Stadium – Cinder Track & Field – 1
- Multi-Gym for men and women separately
- Power Lifting, Weight Lifting & Body Building Items
- Football / Hockey Fields – 3
- Volleyball Courts – 5
- Tennis – 2
- Kabaddi Courts – 2
- Kho-Kho Courts - 4
- Table Tennis, chess and carom boards in 19 hostels -25
- Handball Court – 1
- Basketball courts – 3
- Cricket Turf – 1 and Fields -3
- Cricket Nets- 2
- Ball-Badminton – 1
- Outdoor Badminton Court – 1

## TEAM MEMBERS OF DIRECTORATE OF PHYSICAL EDUCATION AND SPORTS

1. Dr. K.Jothi- Director [i/c], Physical Education and Sports
2. Dr. G. Sivaraman -Sports Officer
3. Dr. K.Chandrasekaran-Sports Officer

## UGC-ACADEMIC STAFF COLLEGE

The UGC – Academic Staff College of Pondicherry University was established in 1987. It is an inter-University institute catering to the needs of all college, University teachers and Researchers to achieve goals of higher education and to keep abreast of the latest developments in their specific subjects.

The facilities available are excellent library, audio-visual aids, spacious class rooms with good ambience, computer lab, Internet access, and an excellent 32 participants AC guest house. The ASC administration is controlled by an Academic Advisory Committee with the Vice-chancellor as Chairman. The ASC of Pondicherry University has recently published a research Journal “Professional Development for Academics”. This is a refereed bi-annual journal touching upon various dimensions of academic growth. The ASC regularly published news letter also. An exclusive ASC website launched – can be accessed at [www.ascpu.edu.in](http://www.ascpu.edu.in). Orientation, Refresher Programmes, Interaction Programmes, Short Term Courses and Non-teaching orientation programmes are organized periodically. The other programmes include summer schools, workshops, and seminars to help the teachers across the country. During the last 25 years, the ASC has organized 295 programmes (Orientation – 108, refresher courses – 152, and 35 special programmes including summer school, interaction programmes for Ph.D. scholars, and workshop for college principals). In total, 14,554 teacher participants have benefited from the various courses and programmes.

The Vision of ASC Pondicherry University under the dynamic Leadership of Vice Chancellor to be a world class Academic Staff College and a change agent through excellence in learning process and quality in higher education and research with competency and collaborative orientation to serve the local, national and global community.

No Update Yet



# PONDICHERRY UNIVERSITY COMMUNITY COLLEGE

Pondicherry University Community College - first of its kind in the Indian University system endeavours to create professionally skilled manpower at supervisory levels and to supply quality personnel to organizations, industries and Government to cope up with the market demands of quality products and services. Dr. A.S. Desai, Chairperson of University Grants Commission formally inaugurated the College on 16th October 1995, the day of Decennial Celebrations of Pondicherry University.

The Pondicherry University Community College recognized by UGC, acts under the general, academic and administrative supervision of Pondicherry University.

The PUCC attempts to create a model of Employment - Oriented Education with the collaboration and cooperation of members of various commercial, agricultural, government and academic institutions and organisations. The model is similar to the one seen in USA and Canada.

## VISION:

To reach out the unreached youth population and empower them with need oriented and value based education and training to become partners of National development process.

## OBJECTIVES OF COMMUNITY COLLEGE:

The motto of Pondicherry University Community College is "Education for Employment" through skill formation. This goal is sought to be achieved by four fold functions, viz., teaching, research, training and extension. The educational activities are designed in response to the needs of the local community, in short, Community College is 'for' the Community and 'of' the Community.

## MISSION:

'Capacity building' in youth with special reference to the underprivileged sections of the community including women, for 'social transformation' through a comprehensive educational model which fosters intellectual enlightenment, vocational and life skill development, social commitment, emotional balance and moral upright, so as to ensure a better quality of life.

## Principal

Prof. Dr. K. S. KUMARI, Ph.D.

## PROGRAMMES 2013-14

### DEPARTMENT OF MANAGEMENT

#### U.G. DEGREE PROGRAMME

B.B.M. (Bachelor of Business Management)

#### DIPLOMA COURSES (2 SEMESTER)

Office Management and Secretarial Practice  
Accounting, Auditing and Taxation  
Insurance Management  
Sales Management  
Document writing  
Spoken English  
Tourism and Ticketing

#### CERTIFICATE COURSES

Event Management  
Tourism and Tour Guide

### DEPARTMENT OF COMPUTER SCIENCE

#### U.G. DEGREE PROGRAMME

B.C.A. (Bachelor of Computer Application)

P.G. Diploma Courses  
Computer Applications

#### DIPLOMA COURSES

Information Technology  
Graphics and Animation  
Computer Graphics and Web Technology  
Hardware Management

#### CERTIFICATE COURSES

Desk Top Publishing  
E- Publishing  
Tally  
Data Entry and Processing  
Computer Graphics

### DEPARTMENT OF VISUAL COMMUNICATION

#### U.G. DEGREE PROGRAMME

B.Sc. Visual Communication

#### DIPLOMA COURSES

Video Production

#### CERTIFICATE COURSES

Radio Jockey and Reporting

Reporting and News Casting  
Photography & Videography

**DEPARTMENT OF BIOSCIENCE**

*U.G. DEGREE PROGRAMME*

B.Sc. Biochemistry

*P.G. DIPLOMA COURSES*

Hospital Management

Nutrition and Dietetics

*DIPLOMA COURSES*

Electro Cardiographic Techniques

Sanitary Inspector

Physician Assistance

Certified Radiological Assistant (2 Yrs.)

Hospital Management and Administration

Operation Theatre Techniques

Medical Records Administration

Medical Lab Technology (2 Yrs.)

Multipurpose Health Worker – Female (2 Yrs.)

Early Childhood Care and Education

Pre School Education

*CERTIFICATE COURSES*

Diabetic Care and Management

Central Sterile Supply and Hospital Waste Management

Medical Lab Technology (1 Yr.)

Adolescent Health and Counseling

Care of Special Children – Mentally Challenged

Food Safety and Quality Management

**DEPARTMENT OF PHYSICAL EDUCATION**

*U.G. DEGREE PROGRAMME*

B.P.ED. (BACHELOR OF PHYSICAL EDUCATION) (1 YR.)

*P.G. DIPLOMA COURSES*

Yoga Education

*DIPLOMA COURSES*

Physical Education (2 Yrs.)

*CERTIFICATE COURSES*

Yoga

Yoga for Silver Citizen



## DIRECTORATE OF DISTANCE EDUCATION

In order to cater to the needs of people who could not pursue higher education in the formal/On-campus streams, Pondicherry University had taken a conscious decision to enter the field of Distance Education by offering Professional/Job Oriented academic Programmes in 1995-96. At present the Directorate offers the following Seven MBA Programmes.

1. Human Resource Management, 2. Finance, 3. Marketing, 4. International Business, 5. Tourism, 6. Retail Management
7. General

The Admission process usually commences in May/ June every Year. Given the national character of the University and the quality of the academic Programmes offered by the Directorate, students from across the country and from all hues choose Pondicherry University for realizing their dreams of acquiring a professional degree.

Thus over the years, the distance education Programmes of Pondicherry University have established a mark of their own with respect to quality.

Pondicherry University's Directorate of Distance Education is also known for its innovative Twinning Programme concept, wherein the University partners with reputed institutions, from across the country, who organize the activities related to distance Programmes of Pondicherry University.

50% concession on tuition fees is offered by the DDE for the following categories of applicants:

- Non-teaching staff of Pondicherry University and their wards
- Serving Defense Personnel of Indian Armed Forces
- Physically Challenged
- Widows/ Deserted Women
- Transgender people
- Prisoners

*Specialisation:* Business Administration, Human Resource Management

### PROGRAMMES OF STUDY

#### MBA PROGRAMMES

MBA - Human Resources Management  
 MBA- Finance  
 MBA - Marketing  
 MBA - International Business  
 MBA -Tourism  
 MBA - Retail Management  
 MBA - General

#### LIBRARY

Directorate of Distance Education is also endowed with an exclusive library in the DDE building. Apart from a wide range of books on Management and Computer applications, the Library stacks all the study materials of DDE, popular journals of Management, Project Reports of MBA, Assignments of PG Students, Question Banks and other dailies and magazines.

#### OFFICERS AND FACULTIES OF D.D.E.

##### Director

**Prof. G.Anjaneya Swamy, Ph.D.**, (Andhra University)  
*Specialization:* Entrepreneurship and Management

##### Assistant Director

**Dr. Arvind Gupta, Ph.D.** (Maharshi Dayanand Saraswati University, Ajmer)

#### Assistant Professors

**Punitha. A, M. Phil.** (Alagappa University, Karaikudi)  
 Coordinator- MBA (Human Resource Management)

*Specialization:* Business Ethics, Human Resource Management, Organizational Behaviour and Business Environment.

**Umasri .V, M. Phil.** (University of Madras, Chennai)  
 Coordinator- MBA (Finance)

*Specialization:* Accounting and Finance, Financial Management, Security Analysis and Portfolio Management.

**Sk. MD. Nizamuddin, M. Phil.**  
 (Bharathiar University, Coimbatore)

Coordinator- MBA (Marketing)

*Specialization:* Marketing Management, Advertising, Services Marketing, Business Laws.

#### Academic Coordinator-III

**Arvind Gupta, Ph. D.**

(Maharshi Dayanand Saraswati University)  
 Coordinator- MBA (General)

*Specialization:* Business Administration, Human Resource Management.

Further details of the Programmes can be had from the brochure of the Directorate of Distance Education and also in the Distance Education link of the University Website [www.pondiuni.edu.in](http://www.pondiuni.edu.in)

## AFFILIATED INSTITUTIONS - Ph.D. SUPERVISORS

### Vector Control Research Centre (VCRC), Puducherry

Subject Offered	Name of the Recognised supervisors	Specialisation	Eligibility
Zoology	Dr. P. Jambulingam Dr. S. Sabesan Dr. K. Krishnamoorthy Dr. K. Gunasekaran Dr. S. Poopathi Dr. N. Pradeep Kumar Dr. K. P. Paily Dr. A. R. Rajavel Dr. V. Vasuki Dr. R. Srinivasan	Zoology ” ” ” ” ” ” ” ” ”	Candidates with/ without fellowships, Candidates employed in research projects and permanent employees involved in research at VCRC are eligible.
Microbiology	Dr. S. L. Hoti Dr. A. M. Manonmani	Microbiology	
Chemistry	Dr. M. Kalyanasundaram Dr. Nisha Mathew	Chemistry ”	

### Regional Medical Research Centre (RMRC), Port Blair, A&N Islands

Subject Offered	Name of the Recognised supervisors	Specialisation	Question paper pattern	Syllabus
Microbiology & Entomology	Dr. P. Vijaychari Dr. D. Biswas Dr. A. N. Shriram Dr. Madanan Dr. I P. Sunish	Microbiology Microbiology Entomology Microbiology Entomology	Objective	Medical Microbiology, Molecular Biology, Mol. Medical Microbiology, Bioinformatics, Medical Entomology.

### Kanchi Mamunivar Centre for P.G. Studies (KMCPGS), Puducherry

Subject Offered	Name of the Recognised supervisors	Specialisation	Question paper pattern	Syllabus
Tamil	Dr. K. Parimalam Dr. Chinta Nila Devi Dr. S. Thillaivanam Dr. N. Elango Dr. V. Karunanithi Dr. S. Sathiaseelan Dr. A. Vijayarani	Feminism & Sangam Literature. Religious Literature and Epic. History and Grammar. Folklore & Sangam Literature. Grammar and Modern Literature. Folklore and Linguistics. Sangam Literature & History of Tamil Literature.	As per the University pattern	P.G. standard

Subject Offered	Name of the Recognised supervisors	Specialisation	Question paper pattern	Syllabus
Botany	Dr. V. Ramasamy Dr. D. Kadamban Dr. S. Nadanakunjidam Dr. K. Rajendiran Dr. Bijaya Kumar Nayak Dr. Mahipal Singh Shekhawat	Algology, Anatomy, Physiology, Ecology and Pharmacognosy Pharmacognosy, Allelopathy and Biodiversity. Ethnobotany, Pharmacognosy, Plant Anatomy, Biodiversity Cytogenetics, Biodiversity & Toxicology. Applied Microbiology, Aerobiology, Microbial Biotechnology. Plant Biotechnology	As per University pattern	P.G. standard
Zoology	Dr. V. Anandan Dr. A. Gunasingh Dr. R. Kumaran Dr. G. Krishnamoorthy Dr. S. Rajalakshmi Dr. V. Ramalingam	Marine Biotechnology Fisheries Science Fishery & Environmental Science Endocrinology Toxicology Endocrinology Environmental Science Environmental Toxicology/ Reproductive Biology		
Physics	Dr. D. Ragouramane Dr. Dinesh Kumar Gupts Dr. G. Meenakshi	Ultrasonics, Spectroscopy. Electric & Magnetic fields over Dielectrics, Ultrasonics, Spectroscopy, Crystal growth. Magnetic field over Dielectrics, Spectroscopy, Ultrasonics, Crystal growth photonics.		
Chemistry	Dr. K. Subramani Dr. A. Tinabaye Dr. V. Arjunan Dr. Ashok Kumar Jana	Natural Product Organic Chemistry with Interdisciplinary Field, Pharmacology and Biology. Organic Chemistry and Interdisciplinary work in Physics & Biology. Molecular Spectroscopy and Chemical Informatics Photo Chemistry & Kinetics. Photo Chemistry & Kinetics.		
Commerce	Dr. D. Aravazhi Irisappane Dr. R. Azhagaiah	Fund Management, Equity Research and HRM Finance, Banking and Insurance		
English	Dr. P. Raja Dr. D. Gunasekaran	Indian Writing in English, Folklore, Translation & Specialization in the History, Culture, Literature and Religion of Puducherry. Applied Linguistics, ELT, Indian Writing in English, Literary Theory and Translation.		

Civil	Dr. T. Sundararajan	Hydraulics Water Resources Engineering, Non-Conventional Materials, Construction Management, Ground Water Management	Two hour objective type questions	All subjects of B.Tech., Civil Engg. & M.Tech. Advanced construction Tech. & Environmental Engg.
	Dr. M. A. Sivasankaran	Environmental Engineering and Hydro Geochemistry, Water Supply and Waste Water Engineering, Industrial Waste Management Energy and Environmental Management.		
	Dr. S. Kothandaraman	Structural Engineering, Construction Materials, Non-Conventional Materials		
	Dr. S. Sivamurthy Reddy	Engineering Geology, Ground Water Hydrology		
	Dr. V. L. Narasimha	Transportation Engineering, Traffic & Transportation, Pavement Materials		
	Dr. R. Saravanane	Water supply and waste water Engg., Industrial waste management, Water quality modelling, Environmental Modeling and Risk Assessment.		
	Dr. Govindaradjane	Water Supply and Waste Water Engg., Industrial Waste Management Energy and Environmental Management		
	A. Jagannathan	Cost-effective construction materials and Technology construction management, Fiber reinforced concrete/ matrix, Thin reinforced construction products/ matrix		
	Dr. V. Murugaiyan	Geotechnical Engineering, Environmental Geotechnology, Soil Pollution.		
	Dr. G. Ramakrishna	Structural Engineering, Fiber reinforced concrete		
	Dr. K. Pandurangan	Structural Engineering, Special concretes, Sustainable Materials		
	Dr. P. Revathi	Structural Engineering		

Subject Offered	Name of the Recognised supervisors	Specialisation	Question paper pattern	Syllabus
Mechanical Engineering	Dr. T. Senthilvelan	Production/Manufacturing Engg.		Covering different fields of Mech. Engg.
	Dr. A. Selvaraju	Mech. Engg. & Thermal Srimas		
	Dr. K. Mahadevan	Materials and Manufacturing		
	Dr. N. Alagumurthi	Modeling & Simulation studies in Mech. Engg.		
	Dr. M. Pugazhvidivu	Internal Combustion Engines, Alternative Fuels		
	Dr. B. Prabu	Engineering Design, FEA		
	Dr. S. Mohamed Ali	Engineering Design & Tribology		
	Dr. K. Palaniradja	Modeling & Simulation in Manufacturing & Thermal Systems		
	Dr. R. Elabsezhan	Surface engineering synthesis and characterization of nano materials and coatings, Micro machining		
Electronics and Communication Engineering	Dr. P. Dananjayan	Wireless Communication	Two hours of objective type questions	Covering different fields of Electronics and communications Engg.
	Dr. E. Srinivasan	Digital Signal Processing, Digital Image Processing		
	Dr. G. Nagarajan	Wireless - Communication and Networks		
	Dr. M. Tamilarasi	Mobile Adhoc Networks, Wireless Sensor Networks, Digital System Design		
	Dr. Gnanou Florence Sudha	Digital Image Processing, Digital Signal Processing, Biomedical Engineering		
	Dr. V. Saminadan	Optical Communication, Optical Networks, Wireless Communication Networks, VLSI Design		
	Dr. D. Saraswady	Adhoc and Sensor Networks, Wireless Communication		
	Dr. G. Sivaradje	Wireless Communication, Image Processing		
	Dr. R. Gunasundari	Adhoc and Sensor Networks, Wireless Communication, Biomedical Signal Processing		
	Dr. N. Nithyanandan	Wireless Communication, Sensor Networks		
	Dr. K. Jayanthi	Personal and Wireless Communication Networks, Digital Image Processing, Digital Communication		
	Dr. V. Vijayalakshmi	Information and Network Security, Securing Wireless and Sensor Networks, ASIC and VLSI Design		



Computer Science and Engineering	Dr. P. Thambidurai	Image Video Processing, Data compression, Multimedia Networks, Multimedia, Databases, Object Oriented Distributed Computing, High Speed Networks	As per the University pattern	P.G. Standard
	Dr. K. Vivekanandan	Object oriented system, Software Engg. Information Security		
	Dr. N.Sreenath	High Speed Networks, Optical Networks, Information Security, Real Time systems, Distributed Systems.		
	Dr. S. Kanmani	Software Engineering		
	Dr. M. Ezhilarasan	Image and Video Processing, Data Compression, Bio-metrics		
Computer Science and Engineering	Dr. S. Saraswathi	Intelligent Systems, Speech Processing, Natural Language Processing	As per the University pattern	P.G. Standard
	Dr. R. Manoharan	Network Technologies		
	Dr. F. Sagayaraj Francis	Data Management, Data Modeling and Analysis		
	Dr. G. Zayaraz	Software Engineering and Architecture, Information Security		
	Dr. E. Ilavarasan	Distributed systems, Internet Computing and Web Services		
Electrical & Electronics Engg.	Dr. K. Manivannan	Digital Signal Processing, Intelligent Techniques, Power Electronics, Power Systems, Optimization, Computer Algorithms	Two hours of objective type questions	
	Dr. S. Himavathi	Intelligent techniques for Modeling, control, estimation, tracking, fault diagnosis and condition monitoring Microprocessor/ microcontroller/FPGA based system design		
	Dr. A. Muthuramalingam	Power Electronics, Drives and control AI techniques, modeling , estimation, fault diagnosis and condition monitoring of Electrical and Electronic Systems		
	Dr.R.Gnanadass	Power system optimization		
	Dr. Christopher Asir Rajan	Power system optimization, operation, control, planning, Power electronic application to power systems AI techniques to Power systems.		
	Dr. K. Rajambal	Power Electronics, Electrical drives, Electric vehicles, Wind Energy systems		
	Dr. G. Ravi	Applications of AI techniques to Power system optimization and electrical machines,		
	Dr. Ananda Natarajan	Process control and instrumentation, Adaptive and nonlinear control		
	Dr. Sudhakaran	Power system operation and control		
	Dr. Alamelu Nachiappan	DSP Based Power Control		
	Dr. K. Rajambal	Power Electronics, Wind Energy Conversion Systems		
	Dr. S. Jeevanantham	Power Electronics		
	Dr. N. P. Subramanian	Power System Quality		
	Dr. Ajay Vimal Raj	Power System Optimization		

Subject Offered	Name of the Recognised supervisors	Specialisation	Question paper pattern	Syllabus
Mathematics	Dr. V. Sitaramaiah	Theory of Numbers	As per the University pattern	P.G. Standard
	Dr. P. A. Padmanabham	Special Functions		
	Dr. R. Sekar	Fluid Mechanics		
	Dr. J. Jayakumar	Numerical Analysis		
	Dr. G. Ayyappan	Probability, Stochastic Process and Queuing Theory		
	Dr. S. Mangayarcassay	Commutative Algebras and Homological Theory		
	Dr.T.V.S.Sekar	Computational Fluid Dynamics		
Physics	Dr. B. Palanivel	Solid State Physics: Electronics Structures	As per University pattern	P.G. Standard
	Dr. S. Nagarajan	Luminescence		
	Dr. B. J. Kalaiselvi	Ferroelectrics		
	Dr. R. Kannan	Solid State Physics: CMR and Ceramic Oxides		
	Dr. Harish Kumar	Computational Physics		
Chemistry	Dr. S.Subramanian	Electro chemistry, solution chemistry	As per University pattern	P.G. Standard
	Dr.S.Balasubramanian	Radiation Catalysis		
	Dr. T. Kaliappan	Polymer Science		
	Dr. P. Sankar	Chemical Informatics		

### Zoological Survey of India (ZSI), Port Blair

Subject Offered	Name of the Recognised supervisors	Specialisation	Eligibility
Taxonomy Ecology Zoogeography	Dr. C. Raghunathan	Marine Biology	Zoology, Marine Biology, Wildlife Biology, Ecology and Life Sciences
	Dr. C. Sivaperuman	Wildlife Biology	

### Bharathidasan Womens' College

Subject Offered	Name of the Recognised supervisors	Specialisation	Syllabus
Home Science (All branches)	Dr. V. Raji Sugumar	All branches of Home Science	P.G. Standard
	Dr. Josephine Nirmala Mary		

### French Institute of Pondicherry

Subject Offered	Name of the Recognised Supervisors	Specialisation	Research Projects
INDOLOGY : SANSKRIT STUDIES Keywords and thematic fields: Saivagama-s, Saivasiddhanta, Sanskrit Grammar, Sanskrit Literature and Manuscriptology  Note: Only candidates with adequate background in Sanskrit studies may apply, as knowledge of read, written and spoken Sanskrit is mandatory. The question paper will be drafted in Sanskrit.	Dr. T. Ganesan	Saiva Agama, Saiva Siddhanta	See Website <a href="http://www.ifpindia.org">www.ifpindia.org</a>
	Dr. S. Lakshmi Narasimham	Sanskrit Grammar Sanskrit Literature	
	Dr. Devi Prasad Mishra	Sanskrit Literature and Manuscriptology	
ECOLOGY Keywords and thematic fields: Population/ community/landscape Ecology; Distribution of species; Forest dynamics; spatial modeling; Bio- diversity conservation; Forest structure; Biomass; Paleoenvironments; Botany; Ecology; Wildlife Biology	Dr. Cedric Gaucherel	Ecosystem Ecology and Theoretical Ecology	
	Dr. Raphaël Pelissier	Tropical forest Ecology	
	Dr. B. R. Ramesh	Forest Ecology	
	Dr. Anupama K.	Palynology, Aerobiology and Paleoecology	
	Dr. Ayyapan N.	Tropical Forest Ecology	
SOCIAL SCIENCES Keywords and thematic fields: Urban Dynam- ics; Economic Geography; Disparities; Health, Medicine and Society; food and health; Risk, Circulation & Migrations; Mobility; Social Norms; Innovations; New Markets; Socio-Anthropology of Food; History of Food; Agrarian Study; Public Health	Dr. Cheryl Nath	Forest Dynamics, Agro- forestry and Biodiversity Conservation	
	Prof. Velayoudom Marimoutou	Econometrics Applied macroeconomics	
	Dr. Eric Denis	Human Geography Urban Studies	
	Dr. Robert Kast	Risk (Economic)	
	Dr. Guy Attewell	History of medicine in South Asia	
	Dr. Laurent Pordié	Social studies of science and medicine in India	
Dr. Brigitte Sébastia	Food, nutrition and health Mental health care		
	Dr. Bhuvanewari Raman	Social policy Anthropology	

## Dr. Ambedkar Govt. Law college, Puducherry

Subject Offered	Name of the Recognised supervisors	Specialisation	Question paper pattern	Syllabus
Law	Dr. M. Ganagadevi	Law	Two hours of objective type questions	P.G. Standard
	Dr. L. Solomon Raja	Law		
	Dr. Ambika Kumari	Law		
	Dr. K. Chandrasegaran	Law		